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Form **990**

Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

▶ Do not enter social security numbers on this form as it may be made public
▶ Information about Form 990 and its instructions is at *www IRS gov/form990*

OMB No 1545-0047

2016

Open to Public Inspection

A For the 2016 calendar year, or tax year beginning 09-01-2016 , and ending 08-31-2017

B Check if applicable
☐ Address change
☐ Name change
☐ Initial return
☐ Final return/terminated
☐ Amended return
☐ Application pending

C Name of organization
Howard Hughes Medical Institute

Doing business as

Number and street (or P O box if mail is not delivered to street address) | Room/suite
4000 JONES BRIDGE ROAD

City or town, state or province, country, and ZIP or foreign postal code
CHEVY CHASE, MD 20815

D Employer identification number
59-0735717

E Telephone number
(301) 215-8500

G Gross receipts $ 48,467,077,301

F Name and address of principal officer
4000 JONES BRIDGE ROAD
CHEVY CHASE, MD 20815

H(a) Is this a group return for subordinates? ☐ Yes ☑ No
H(b) Are all subordinates included? ☐ Yes ☐ No
If "No," attach a list (see instructions)
H(c) Group exemption number ▶

I Tax-exempt status ☑ 501(c)(3) ☐ 501(c) ( ) ◀ (insert no) ☐ 4947(a)(1) or ☐ 527

J Website: ▶ WWW HHMI ORG

K Form of organization ☑ Corporation ☐ Trust ☐ Association ☐ Other ▶

L Year of formation 1953

M State of legal domicile DE

Part I Summary

Activities & Governance

1 Briefly describe the organization's mission or most significant activities
THE HOWARD HUGHES MEDICAL INSTITUTE IS A PHILANTHROPY THAT SERVES SOCIETY THROUGH THE DIRECT CONDUCT OF BIOMEDICAL RESEARCH AND SUPPORT FOR PROGRAMS IN SCIENCE EDUCATION

2 Check this box ▶ ☐ if the organization discontinued its operations or disposed of more than 25% of its net assets

3	Number of voting members of the governing body (Part VI, line 1a)	3	10
4	Number of independent voting members of the governing body (Part VI, line 1b)	4	10
5	Total number of individuals employed in calendar year 2016 (Part V, line 2a)	5	3,255
6	Total number of volunteers (estimate if necessary)	6	0
7a	Total unrelated business revenue from Part VIII, column (C), line 12	7a	19,685,078
b	Net unrelated business taxable income from Form 990-T, line 34	7b	0

			Prior Year	Current Year
Revenue	8	Contributions and grants (Part VIII, line 1h)	19,321,241	961,418
	9	Program service revenue (Part VIII, line 2g)	2,223,162	2,593,242
	10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	921,724,327	1,525,605,714
	11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	257,052,143	21,387,517
	12	Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	1,200,320,873	1,550,547,891
Expenses	13	Grants and similar amounts paid (Part IX, column (A), lines 1–3)	138,793,048	94,758,743
	14	Benefits paid to or for members (Part IX, column (A), line 4)		0
	15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	438,554,171	405,021,233
	16a	Professional fundraising fees (Part IX, column (A), line 11e)		0
	b	Total fundraising expenses (Part IX, column (D), line 25) ▶0		
	17	Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	556,129,969	543,673,945
	18	Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)	1,133,477,188	1,043,453,921
	19	Revenue less expenses Subtract line 18 from line 12	66,843,685	507,093,970
			Beginning of Current Year	**End of Year**
Net Assets or Fund Balances	20	Total assets (Part X, line 16)	21,082,502,290	22,594,415,758
	21	Total liabilities (Part X, line 26)	3,306,942,737	3,285,217,733
	22	Net assets or fund balances Subtract line 21 from line 20	17,775,559,553	19,309,198,025

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, inclu
knowledge and belief, it is true, correct, and complete Declaration of prepa
any knowledge

Sign Here

▶ Signature of officer

▶ Monique L Marcus Controller
Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name	Preparer's signature
Marci Krause	Marci Krause

Firm's name ▶ PRICEWATERHOUSECOOPERS LLP
Firm's address ▶ 600 13TH STREET NW STE 1000
WASHINGTON, DC 20005

May the IRS discuss this return with the preparer shown above? (see instru

For Paperwork Reduction Act Notice, see the separate instructions.

Part III **Statement of Program Service Accomplishments**

Check if Schedule O contains a response or note to any line in this Part III . . . . . ☐

1 Briefly describe the organization's mission

THE HOWARD HUGHES MEDICAL INSTITUTE ("INSTITUTE" OR "HHMI") IS THE NATION'S LARGEST PRIVATE BIOMEDICAL RESEARCH INSTITUTION, WITH JUST OVER $19 BILLION IN NET ASSETS AT THE END OF ITS 2017 FISCAL YEAR THE MISSION OF THE INSTITUTE HAS REMAINED CONSTANT SINCE ITS FOUNDING IN 1953 AS ITS CHARTER STATES "THE PRIMARY PURPOSE AND OBJECTIVE OF THE HOWARD HUGHES MEDICAL INSTITUTE SHALL BE THE PROMOTION OF HUMAN KNOWLEDGE WITHIN THE FIELD OF BASIC SCIENCES (PRINCIPALLY THE FIELD OF MEDICAL RESEARCH AND EDUCATION) AND THE EFFECTIVE APPLICATION THEREOF FOR THE BENEFIT OF MANKIND "

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? . . . . . ☐ **Yes** ☑ **No**

If "Yes," describe these new services on Schedule O

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? . . . . . ☐ **Yes** ☑ **No**

If "Yes," describe these changes on Schedule O

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported

4a (Code) (Expenses $ 659,754,981 including grants of $) (Revenue $ 2,552,736)

See Additional Data

4b (Code) (Expenses $ 87,600,256 including grants of $ 59,883,743) (Revenue $ 40,506)

See Additional Data

4c (Code) (Expenses $ 35,913,012 including grants of $ 34,875,000) (Revenue $)

See Additional Data

4d Other program services (Describe in Schedule O)

(Expenses $ including grants of $) (Revenue $)

4e **Total program service expenses** ▶ 783,268,249

Part IV Checklist of Required Schedules

			Yes	No
1	Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? *If "Yes," complete Schedule A*	1	Yes	
2	Is the organization required to complete *Schedule B, Schedule of Contributors* (see instructions)?	2	Yes	
3	Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? *If "Yes," complete Schedule C, Part I*	3		No
4	**Section 501(c)(3) organizations.** Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? *If "Yes," complete Schedule C, Part II*	4	Yes	
5	Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? *If "Yes," complete Schedule C, Part III*	5		No
6	Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? *If "Yes," complete Schedule D, Part I*	6		No
7	Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? *If "Yes," complete Schedule D, Part II*	7		No
8	Did the organization maintain collections of works of art, historical treasures, or other similar assets? *If "Yes," complete Schedule D, Part III*	8		No
9	Did the organization report an amount in Part X, line 21 for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? *If "Yes," complete Schedule D, Part IV*	9		No
10	Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? *If "Yes," complete Schedule D, Part V*	10		No
11	If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable			
a	Did the organization report an amount for land, buildings, and equipment in Part X, line 10? *If "Yes," complete Schedule D, Part VI*	11a	Yes	
b	Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? *If "Yes," complete Schedule D, Part VII*	11b	Yes	
c	Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? *If "Yes," complete Schedule D, Part VIII*	11c		No
d	Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? *If "Yes," complete Schedule D, Part IX*	11d		No
e	Did the organization report an amount for other liabilities in Part X, line 25? *If "Yes," complete Schedule D, Part X*	11e	Yes	
f	Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? *If "Yes," complete Schedule D, Part X*	11f		No
12a	Did the organization obtain separate, independent audited financial statements for the tax year? *If "Yes," complete Schedule D, Parts XI and XII*	12a		No
b	Was the organization included in consolidated, independent audited financial statements for the tax year? *If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional*	12b	Yes	
13	Is the organization a school described in section 170(b)(1)(A)(ii)? *If "Yes," complete Schedule E*	13		No
14a	Did the organization maintain an office, employees, or agents outside of the United States?	14a		No
b	Did the organization have aggregate revenues or expenses of more than $10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at $100,000 or more? *If "Yes," complete Schedule F, Parts I and IV*	14b	Yes	
15	Did the organization report on Part IX, column (A), line 3, more than $5,000 of grants or other assistance to or for any foreign organization? *If "Yes," complete Schedule F, Parts II and IV*	15	Yes	
16	Did the organization report on Part IX, column (A), line 3, more than $5,000 of aggregate grants or other assistance to or for foreign individuals? *If "Yes," complete Schedule F, Parts III and IV*	16	Yes	
17	Did the organization report a total of more than $15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? *If "Yes," complete Schedule G, Part I* (see instructions)	17		No
18	Did the organization report more than $15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? *If "Yes," complete Schedule G, Part II*	18		No
19	Did the organization report more than $15,000 of gross income from gaming activities on Part VIII, line 9a? *If "Yes," complete Schedule G, Part III*	19		No

Part IV **Checklist of Required Schedules** *(continued)*

			Yes	No
20a	Did the organization operate one or more hospital facilities? *If "Yes," complete Schedule H*	20a		No
b	If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?	20b		
21	Did the organization report more than $5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? *If "Yes," complete Schedule I, Parts I and II*	21	Yes	
22	Did the organization report more than $5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? *If "Yes," complete Schedule I, Parts I and III*	22	Yes	
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? *If "Yes," complete Schedule J*	23	Yes	
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than $100,000 as of the last day of the year, that was issued after December 31, 2002? *If "Yes," answer lines 24b through 24d and complete Schedule K If "No," go to line 25a*	24a	Yes	
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		No
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	24c		No
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		No
25a	**Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations.** Did the organization engage in an excess benefit transaction with a disqualified person during the year? *If "Yes," complete Schedule L, Part I*	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? *If "Yes," complete Schedule L, Part I*	25b		No
26	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? *If "Yes," complete Schedule L, Part II*	26		No
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? *If "Yes," complete Schedule L, Part III*	27		No
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions)			
a	A current or former officer, director, trustee, or key employee? *If "Yes," complete Schedule L, Part IV*	28a		No
b	A family member of a current or former officer, director, trustee, or key employee? *If "Yes," complete Schedule L, Part IV*	28b		No
c	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? *If "Yes," complete Schedule L, Part IV*	28c		No
29	Did the organization receive more than $25,000 in non-cash contributions? *If "Yes," complete Schedule M*	29		No
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? *If "Yes," complete Schedule M*	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? *If "Yes," complete Schedule N, Part I*	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? *If "Yes," complete Schedule N, Part II*	32		No
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301 7701-2 and 301 7701-3? *If "Yes," complete Schedule R, Part I*	33	Yes	
34	Was the organization related to any tax-exempt or taxable entity? *If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1*	34	Yes	
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a	Yes	
b	If 'Yes' to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? *If "Yes," complete Schedule R, Part V, line 2*	35b	Yes	
36	**Section 501(c)(3) organizations.** Did the organization make any transfers to an exempt non-charitable related organization? *If "Yes," complete Schedule R, Part V, line 2*	36		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? *If "Yes," complete Schedule R, Part VI*	37		No
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? **Note.** All Form 990 filers are required to complete Schedule O	38	Yes	

Part V **Statements Regarding Other IRS Filings and Tax Compliance**

Check if Schedule O contains a response or note to any line in this Part V . . . . . ☐

					Yes	No
1a	Enter the number reported in Box 3 of Form 1096 Enter -0- if not applicable	1a	754			
b	Enter the number of Forms W-2G included in line 1a *Enter -0-* if not applicable	1b	0			
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?			1c	Yes	
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return	2a	3,255			
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? **Note.** If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)			2b	Yes	
3a	Did the organization have unrelated business gross income of $1,000 or more during the year?			3a	Yes	
b	If "Yes," has it filed a Form 990-T for this year? *If "No" to line 3b, provide an explanation in Schedule O*			3b	Yes	
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?			4a	Yes	
b	If "Yes," enter the name of the foreign country: ▶ See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR)		AS , AU , BD , BR , VI , CA , BE , CJ , CI , CH , CO , EZ , DA , EG , EN , FI , FR , GM , GK , HU , AR , HK , IN , EI , IS , IT , JA , JE , JO , KS , ID , KE , LU , MY , MP , MX , MO , NL , NZ , NO , PL , PO , PE , RO , RS , SN , SF , SP , CE , SW , SZ , TH , TU , AE , UK , UY , ZI , UG			
5a	Was a gift received from a foreign person that exceeded $100,000?			5a		No
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?			5b		No
c	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?			5c		
6a	Does the organization have annual gross receipts that are normally greater than $100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?			6a		No
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?			6b		
7	**Organizations that may receive deductible contributions under section 170(c).**					
a	Did the organization receive a payment in excess of $75 made partly as a contribution and partly for goods and services provided to the payor?			7a		No
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?			7b		
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?			7c		No
d	If "Yes," indicate the number of Forms 8282 filed during the year	7d				
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?			7e		No
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?			7f		No
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?			7g		
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?			7h		
8	**Sponsoring organizations maintaining donor advised funds.** Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?			8		
9a	Did the sponsoring organization make any taxable distributions under section 4966?			9a		
b	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?			9b		
10	**Section 501(c)(7) organizations.** Enter					
a	Initiation fees and capital contributions included on Part VIII, line 12	10a				
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	10b				
11	**Section 501(c)(12) organizations.** Enter					
a	Gross income from members or shareholders	11a				
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them)	11b				
12a	**Section 4947(a)(1) non-exempt charitable trusts.** Is the organization filing Form 990 in lieu of Form 1041?			12a		
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year	12b				
13	**Section 501(c)(29) qualified nonprofit health insurance issuers.**					
a	Is the organization licensed to issue qualified health plans in more than one state? **Note.** See the instructions for additional information the organization must report on Schedule O			13a		
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans	13b				
c	Enter the amount of reserves on hand	13c				
14a	Did the organization receive any payments for indoor tanning services during the tax year?			14a		No
b	If "Yes," has it filed a Form 720 to report these payments? *If "No," provide an explanation in Schedule O*			14b		

Part VI **Governance, Management, and Disclosure** *For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O See instructions*

Check if Schedule O contains a response or note to any line in this Part VI . . . . . ☑

Section A. Governing Body and Management

				Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year	1a	10		
	If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O				
b	Enter the number of voting members included in line 1a, above, who are independent	1b	10		
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2			No
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person?	3			No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?	4			No
5	Did the organization become aware during the year of a significant diversion of the organization's assets?	5			No
6	Did the organization have members or stockholders?	6			No
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	7a			No
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	7b			No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following				
a	The governing body?	8a		Yes	
b	Each committee with authority to act on behalf of the governing body?	8b		Yes	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? *If "Yes," provide the names and addresses in Schedule O*	9			No

Section B. Policies (*This Section B requests information about policies not required by the Internal Revenue Code.*)

			Yes	No
10a	Did the organization have local chapters, branches, or affiliates?	10a		No
b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?	10b		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	11a	Yes	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990			
12a	Did the organization have a written conflict of interest policy? *If "No," go to line 13*	12a	Yes	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes	
c	Did the organization regularly and consistently monitor and enforce compliance with the policy? *If "Yes," describe in Schedule O how this was done*	12c	Yes	
13	Did the organization have a written whistleblower policy?	13	Yes	
14	Did the organization have a written document retention and destruction policy?	14	Yes	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?			
a	The organization's CEO, Executive Director, or top management official	15a	Yes	
b	Other officers or key employees of the organization	15b	Yes	
	If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions)			
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a		No
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?	16b		

Section C. Disclosure

17 List the States with which a copy of this Form 990 is required to be filed▶ AK , AZ , CA , IL , MD , MA , NY , OK , OR , IN

18 Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection Indicate how you made these available Check all that apply

☐ Own website ☐ Another's website ☑ Upon request ☐ Other (explain in Schedule O)

19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year

20 State the name, address, and telephone number of the person who possesses the organization's books and records ▶MONIQUE L MARCUS 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815 (301) 215-8500

Part VII **Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors**

Check if Schedule O contains a response or note to any line in this Part VII . . . . . ☐

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed Report compensation for the calendar year ending with or within the organization's tax year

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation Enter -0- in columns (D), (E), and (F) if no compensation was paid
- List all of the organization's **current** key employees, if any See instructions for definition of "key employee "
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than $100,000 from the organization and any related organizations
- List all of the organization's **former** officers, key employees, or highest compensated employees who received more than $100,000 of reportable compensation from the organization and any related organizations
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than $10,000 of reportable compensation from the organization and any related organizations

List persons in the following order individual trustees or directors, institutional trustees, officers, key employees, highest compensated employees, and former such persons

☐ Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
See Additional Data Table										

Part VII **Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees** *(continued)*

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee): Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
See Additional Data Table										
1b Sub-Total . . . . . ▶										
c Total from continuation sheets to Part VII, Section A . . . . ▶										
d Total (add lines 1b and 1c) . . . . . ▶								18,274,988	0	1,282,509

2 Total number of individuals (including but not limited to those listed above) who received more than $100,000 of reportable compensation from the organization ▶ 711

			Yes	No
3	Did the organization list any **former** officer, director or trustee, key employee, or highest compensated employee on line 1a? *If "Yes," complete Schedule J for such individual*	**3**	Yes	
4	For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than $150,000? *If "Yes," complete Schedule J for such individual*	**4**	Yes	
5	Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization?*If "Yes," complete Schedule J for such person*	**5**	Yes	

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than $100,000 of compensation from the organization Report compensation for the calendar year ending with or within the organization's tax year

(A) Name and business address	(B) Description of services	(C) Compensation
ARAMARK HARRISON LODGING 1101 MARKET ST PHILADELPHIA, PA 19107	CONFERENCE CTR MGT	4,241,380
SELECT EQUITY GROUP INC 380 LAFEYETTE STREET NEW YORK, NY 10003	INVESTMENT MGT	3,377,853
CHARLES RIVER LABS INC 251 BALLARADVALE STREET WILMINGTON, MA 01887	RESEARCH SERVICES	2,959,367
JONES LANG LASALLE AMERICAS INC 525 WILLIAM PENN PLACE SUITE 2500 PITTSBURGH, PA 15259	FACILITIES MGT	2,737,201
GOLDEN GATE CAPITAL ONE EMBARCADERO CENTER 39TH FLOOR SAN FRANCISCO, CA 94111	INVESTMENT MGT	2,634,722

2 Total number of independent contractors (including but not limited to those listed above) who received more than $100,000 of compensation from the organization ▶ 156

Part VIII Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII . . . . . ☑

		(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514
Contributions, Gifts, Grants and Other Similar Amounts					
1a Federated campaigns	1a				
b Membership dues	1b				
c Fundraising events	1c				
d Related organizations	1d				
e Government grants (contributions)	1e				
f All other contributions, gifts, grants, and similar amounts not included above	1f	961,418			
g Noncash contributions included in lines 1a-1f $ _____					
h **Total.** Add lines 1a-1f ▶		961,418			
Program Service Revenue	Business Code				
2a RENTAL INCOME	900099	2,552,736	2,552,736		
b TV & Film Income	900099	40,506	40,506		
c					
d					
e					
f All other program service revenue		0	0	0	0
g **Total.** Add lines 2a–2f ▶		2,593,242			
3 Investment income (including dividends, interest, and other similar amounts) ▶		192,721,183		20,486,398	172,234,785
4 Income from investment of tax-exempt bond proceeds ▶					
5 Royalties ▶		21,446,583			21,446,583

	(i) Real	(ii) Personal				
6a Gross rents	696,011					
b Less rental expenses	1,517,914					
c Rental income or (loss)	-821,903	0				
d Net rental income or (loss) ▶			-821,903		-801,320	-20,583

	(i) Securities	(ii) Other				
7a Gross amount from sales of assets other than inventory	48,247,896,027					
b Less cost or other basis and sales expenses	46,915,011,496					
c Gain or (loss)	1,332,884,531	0				
d Net gain or (loss) ▶			1,332,884,531			1,332,884,531

Other Revenue

8a Gross income from fundraising events (not including $ _____ of contributions reported on line 1c) See Part IV, line 18	a				
b Less direct expenses	b				
c Net income or (loss) from fundraising events ▶					
9a Gross income from gaming activities See Part IV, line 19	a				
b Less direct expenses	b				
c Net income or (loss) from gaming activities ▶					
10a Gross sales of inventory, less returns and allowances	a				
b Less cost of goods sold	b				
c Net income or (loss) from sales of inventory ▶					

Miscellaneous Revenue	Business Code				
11a CAFETERIA INCOME	900099	293,881			293,881
b INVESTMENT EXPENSE REBATE	900099	155,161			155,161
c CASH DISCOUNTS	900099	120,983			120,983
d All other revenue		192,812	0	0	192,812
e **Total.** Add lines 11a–11d ▶		762,837			
12 **Total revenue.** See Instructions ▶		1,550,547,891	2,593,242	19,685,078	1,527,308,153

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns All other organizations must complete column (A)

Check if Schedule O contains a response or note to any line in this Part IX . . . . . ☐

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	**(A)** Total expenses	**(B)** Program service expenses	**(C)** Management and general expenses	**(D)** Fundraisingexpenses
1 Grants and other assistance to domestic organizations and domestic governments See Part IV, line 21	51,079,820	51,079,820		
2 Grants and other assistance to domestic individuals See Part IV, line 22	8,803,923	8,803,923		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals See Part IV, line 15 and 16	34,875,000	34,875,000		
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	10,536,023	2,591,102	7,944,921	
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	1,592,293		1,592,293	
7 Other salaries and wages	265,167,113	228,057,145	37,109,968	
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	22,292,801	19,142,119	3,150,682	
9 Other employee benefits	88,149,078	74,945,558	13,203,520	
10 Payroll taxes	17,283,925	14,595,234	2,688,691	
11 Fees for services (non-employees)				
a Management				
b Legal	3,452,762	1,590,278	1,862,484	
c Accounting	959,641	8,166	951,475	
d Lobbying	15,000		15,000	
e Professional fundraising services See Part IV, line 17				
f Investment management fees	69,931,386		69,931,386	
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	44,488,346	28,646,161	15,842,185	0
12 Advertising and promotion				
13 Office expenses	3,821,547	2,801,374	1,020,173	
14 Information technology	8,021,641	981,939	7,039,702	
15 Royalties . .	5,331	4,431	900	
16 Occupancy	74,004,149	68,415,394	5,588,755	
17 Travel	8,071,498	6,448,905	1,622,593	
18 Payments of travel or entertainment expenses for any federal, state, or local public officials .				
19 Conferences, conventions, and meetings	3,216,060	2,537,925	678,135	
20 Interest	78,550,828	309,496	78,241,332	
21 Payments to affiliates				
22 Depreciation, depletion, and amortization . .	80,354,035	71,941,589	8,412,446	
23 Insurance . . .	396,982	73,268	323,714	
24 Other expenses Itemize expenses not covered above (List miscellaneous expenses in line 24e If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O)				
a LAB & OTHER SCIENTIFIC SUPPLIES	126,394,492	125,199,931	1,194,561	
b MINOR EQUIPMENT & RENOVATIONS	16,959,235	16,814,515	144,720	
c EQUIPMENT MAINTENANCE	14,893,026	13,899,351	993,675	
d Income Tax	821,185		821,185	
e All other expenses	9,316,801	9,505,625	-188,824	0
25 **Total functional expenses.** Add lines 1 through 24e	1,043,453,921	783,268,249	260,185,672	0
26 **Joint costs.** Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation Check here ▶ ☐ if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

Check if Schedule O contains a response or note to any line in this Part IX . . . . . ☐

				(A) Beginning of year		(B) End of year
Assets	1	Cash–non-interest-bearing			1	
	2	Savings and temporary cash investments		331,496,720	2	313,788,984
	3	Pledges and grants receivable, net			3	
	4	Accounts receivable, net			4	
	5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees Complete Part II of Schedule L		0	5	0
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions) Complete Part II of Schedule L			6	0
	7	Notes and loans receivable, net			7	
	8	Inventories for sale or use			8	
	9	Prepaid expenses and deferred charges		10,034,921	9	10,916,217
	10a	Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D	10a 1,781,885,694			
	b	Less accumulated depreciation	10b 1,069,964,696	738,818,110	10c	711,920,998
	11	Investments—publicly traded securities		6,611,550,109	11	7,234,725,303
	12	Investments—other securities See Part IV, line 11		13,078,172,731	12	14,044,326,015
	13	Investments—program-related See Part IV, line 11		0	13	
	14	Intangible assets			14	
	15	Other assets See Part IV, line 11		312,429,699	15	278,738,241
	16	**Total assets.** Add lines 1 through 15 (must equal line 34)		21,082,502,290	16	22,594,415,758
Liabilities	17	Accounts payable and accrued expenses		555,985,053	17	503,181,931
	18	Grants payable		161,167,676	18	173,350,134
	19	Deferred revenue			19	
	20	Tax-exempt bond liabilities		716,130,000	20	716,130,000
	21	Escrow or custodial account liability Complete Part IV of Schedule D			21	
	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons Complete Part II of Schedule L			22	
	23	Secured mortgages and notes payable to unrelated third parties			23	
	24	Unsecured notes and loans payable to unrelated third parties		1,234,673,954	24	1,235,453,517
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24) Complete Part X of Schedule D		638,986,054	25	657,102,151
	26	**Total liabilities.** Add lines 17 through 25		3,306,942,737	26	3,285,217,733
Net Assets or Fund Balances		**Organizations that follow SFAS 117 (ASC 958), check here ▶ ☑ and complete lines 27 through 29, and lines 33 and 34.**				
	27	Unrestricted net assets		17,775,559,553	27	19,309,198,025
	28	Temporarily restricted net assets			28	
	29	Permanently restricted net assets			29	
		Organizations that do not follow SFAS 117 (ASC 958), check here ▶ ☐ and complete lines 30 through 34.				
	30	Capital stock or trust principal, or current funds			30	
	31	Paid-in or capital surplus, or land, building or equipment fund			31	
	32	Retained earnings, endowment, accumulated income, or other funds			32	
	33	Total net assets or fund balances		17,775,559,553	33	19,309,198,025
	34	Total liabilities and net assets/fund balances		21,082,502,290	34	22,594,415,758

Part XI Reconcilliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI . . . . . ☑

1	Total revenue (must equal Part VIII, column (A), line 12)	1	1,550,547,891
2	Total expenses (must equal Part IX, column (A), line 25)	2	1,043,453,921
3	Revenue less expenses Subtract line 2 from line 1	3	507,093,970
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	17,775,559,553
5	Net unrealized gains (losses) on investments	5	934,015,853
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	92,528,649
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	19,309,198,025

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII . . . . . ☐

			Yes	No
1	Accounting method used to prepare the Form 990 ☐ Cash ☑ Accrual ☐ Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O			
2a	Were the organization's financial statements compiled or reviewed by an independent accountant?	2a		No
	If 'Yes,' check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both ☐ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis			
b	Were the organization's financial statements audited by an independent accountant?	2b	Yes	
	If 'Yes,' check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both ☐ Separate basis ☑ Consolidated basis ☐ Both consolidated and separate basis			
c	If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?	2c	Yes	
	If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O			
3a	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	3a		No
b	If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits	3b		

Additional Data

Software ID: 16000421
Software Version: 2016v3.0
EIN: 59-0735717
Name: Howard Hughes Medical Institute

Form 990 (2016)

Form 990, Part III, Line 4a:

MEDICAL RESEARCH ORGANIZATION ACTIVITIES (A) THE HHMI INVESTIGATOR PROGRAM (B) JANELIA RESEARCH CAMPUS (C) HIGHLIGHTS FROM HHMI RESEARCH LABORATORIES (FISCAL YEAR 2017) (D) HONORS AND AWARDS RECEIVED BY HHMI SCIENTISTS (A) THE HHMI INVESTIGATOR PROGRAM The Howard Hughes Medical Institute's approach to biomedical research can be summarized in three words people, not projects By employing scientists as HHMI investigators - rather than awarding research grants - the Institute provides long-term, flexible funding that enables its researchers to pursue their scientific interests wherever they lead HHMI believes that scientists of exceptional talent and imagination will make fundamental discoveries of lasting scientific value and benefit to humanity if they are given the resources, time, and freedom to pursue challenging questions The Institute nurtures the creativity and intellectual daring of scientists who are willing to set aside conventional wisdom or the "easy" question for a fundamental problem that may take many years to solve Among the characteristics that distinguish this group of scientists are qualities such as creativity, a penchant for risk-taking, and a commitment to discovery, productivity, and perseverance This unique research model is an imaginative and powerful alternative to funding biomedical research through grants The HHMI Investigator Program employs more than 290 HHMI researchers, among them 15 Nobel laureates and 164 members of the National Academy of Sciences HHMI investigators direct Institute research laboratories on the campuses of 63 universities and other research organizations throughout the United States Since the early 1990s, investigators have been selected through rigorous national competitions The Institute solicits applications directly from scientists at medical schools and other research institutions in the United States, with the aim of identifying those who have the potential to make significant contributions to science HHMI employs an open application process to ensure that it is selecting its researchers from a broad and deep pool of scientific talent In March 2017, HHMI announced that it would seek to appoint up to 20 new biomedical researchers through a national open competition HHMI recently increased the standard term for HHMI investigators from five to seven years, providing longer term, flexible support as these scientists explore new research territory The addition of 20 new investigators to this initiative represents a new investment of approximately $168 million in basic biomedical research over the next seven years Finalists will be announced in Spring 2018, with appointments starting as early as September 1, 2018 Highlights of research conducted, and awards received, by HHMI scientists during its year ended August 31, 2017 are included below (B) Janelia Research Campus The Janelia Research Campus offers a collaborative research environment for scientists across an array of disciplines who have focused on two broad scientific areas of scientific inquiry the identification of general principles governing how neuronal circuits process information and development of imaging technologies and computational methods that support image analysis In the current fiscal year, there were 42 group leaders, eight fellows and 15 senior fellows at Janelia, in addition to graduate students, other scientific trainees, and visiting scientists Janelia also operates a vibrant scientific conference program, bringing many scientists to its campus each year for educational meetings

Form 990, Part III, Line 4b:

SCIENCE EDUCATION AND RESEARCH GRANT PROGRAMS (A) GRADUATE SCIENCE EDUCATION AND MEDICAL RESEARCH TRAINING (B) PRECOLLEGE AND UNDERGRADUATE SCIENCE EDUCATION PROGRAM (C) EDUCATIONAL MEDIA (D) TANGLED BANK STUDIOS (E) HANNA GRAY FELLOWS (F) FACULTY SCHOLARS (G) E-LIFE OPEN ACCESS JOURNAL HHMI'S DEPARTMENT OF SCIENCE EDUCATION EMPHASIZES INITIATIVES WITH THE POWER TO TRANSFORM GRADUATE, UNDERGRADUATE, AND PRECOLLEGE EDUCATION IN THE LIFE SCIENCES HHMI IS THE LARGEST PRIVATE FUNDER OF SCIENCE EDUCATION IN THE UNITED STATES DURING THE FISCAL YEAR, THE INSTITUTE DISTRIBUTED $38 MILLION IN GRANTS TO SUPPORT SCIENCE EDUCATION The Institute's science education programs support ties between scientific research and teaching with the goal of increasing and enhancing student research opportunities, improving science courses, curricula, and instruction, and providing enhanced graduate and medical training opportunities Most HHMI grants are awarded through competitions with specific objectives and eligibility criteria and awards are made following a stringent process of peer review HHMI's educational activities are funded through three major programs, the goals of each program and the major activities for the year are summarized below (A) Undergraduate Science Education Program These programs recruit and develop the future leaders of science and enhance science literacy among all students Precollege grants support teacher training and inquiry-based student learning Grants to colleges and universities support undergraduate student research, faculty and curriculum development, and science education outreach activities In June, 2017, HHMI announced the first 24 schools selected in its Inclusive Excellence initiative The initiative's broad objective is to help colleges and universities to increase their capacity for inclusion in science of all students, especially those students who come to college via non-traditional pathways These "new majority" students include underrepresented ethnic minorities, first-generation college students, students who transfer from community colleges, and working adults with families Inclusive Excellence is not simply making sure everyone can participate, rather, it means that the institution makes it clear that the students are welcome and are expected to succeed HHMI continued its partnership with the University of Maryland, Baltimore County (UMBC), the Pennsylvania State University, and the University of North Carolina at Chapel Hill (UNC), in the collaborative Meyerhoff Adaptation Project The project aims to learn whether elements of UMBC's highly regarded Meyerhoff Scholars Program can be adapted at Penn State and UNC The participating schools hope to share what they learn so other institutions might follow During the five-year Meyerhoff Adaptation Project, Penn State and UNC, working closely with UMBC and HHMI, will expand and study the Meyerhoff model, while applying it to newly created programs on their campuses The HHMI Professors Program empowers accomplished science faculty at leading research universities to apply the rigor and creativity that make them successful in research to important challenges in undergraduate science education The professors model fundamental reform in the way undergraduate science is taught at research universities through innovative teaching and are encouraged to share ideas and collaborate with their peers to improve science education Fifty-five scientists have been named HHMI professors since the program began in 2002 In addition to their commitment to student learning, these highly visible scientists have developed new educational resources and implemented novel mentoring programs to support students In FY2018, HHMI will make awards to a new cohort of HHMI professors The HHMI's Exceptional Research Opportunities Program (EXROP) is designed to encourage talented students to pursue careers in science by placing selected undergraduates in summer research experiences in the labs of HHMI investigators, professors, and at the Janelia Research Campus In 2017, a total of 85 college students (63 first-year students and 22 second-year, "EXROP Capstone" students) were selected to participate in EXROP The 2017 cohort marked the 15th year of the program

Form 990, Part III, Line 4c:

SUPPORT FOR INTERNATIONAL SCIENCE (A) NEW INTERNATIONAL RESEARCH SCHOLARS PROGRAM (B) SENIOR INTERNATIONAL RESEARCH SCHOLARS PROGRAM (C) INTERNATIONAL EARLY CAREER SCIENTIST PROGRAM (D) AFRICA HEALTH RESEARCH INSTITUTE IN SOUTH AFRICA (A) New International Research Scholars Program Forty-one scientists from 16 countries have been chosen as International Research Scholars, exceptional early-career scientists poised to advance biomedical research across the globe HHMI teamed up with the Bill & Melinda Gates Foundation, the Wellcome Trust, and the Calouste Gulbenkian Foundation to develop scientific talent around the world, and will award a total of nearly $26 7 million to this group of scholars Each researcher will receive a total of $650,000 over five years The award is a big boon for scientists early in their careers, and offers the freedom to pursue new research directions and creative projects that could develop into top-notch scientific programs (B) Senior International Research Scholars Program HHMI continues to support 13 of the world's leading basic science researchers as Senior International Research Scholar (SIRS) The awards support outstanding biomedical scientists working outside the United States who have made significant contributions to fundamental research in the biological sciences The SIRS awardees, selected from a group of previous HHMI international research scholars, are respected leaders in their fields Each HHMI senior international research scholar receives a grant of $100,000 per year over five years, and presents their research at scientific meetings held at HHMI The gatherings are intended to facilitate the exchange of ideas, stimulate new research, and provide an opportunity for collaboration with other HHMI scientists The senior international research scholars' participation helps strengthen the growing network of international biomedical researchers (C) International Early Career Scientist Program HHMI continues to support 24 international early career scientists who were selected for awards in 2012 Each selected scientist will receive $650,000 over a period of five years with the goal of helping these talented individuals establish independent research programs In this pilot program, HHMI identified scientists who are, or have the potential to become, scientific leaders The 24 HHMI international early career scientists conduct research at 20 institutions in 12 countries Each scientist who was selected had directed his or her own laboratory for less than seven years when they applied to HHMI The countries represented by the HHMI international early career scientists are Argentina, Brazil, Chile, China, Hungary, India, Italy, Poland, Portugal, South Africa, Spain, and South Korea (D) Africa Health Research Institute in South Africa In 2009, HHMI helped launch the KwaZulu-Natal Research Institute for TB-HIV (K-RITH) in collaboration with the University of KwaZulu-Natal (UKZN), and has provided significant funding to support its research efforts In 2016, in a move to improve the health of people locally and globally, K-RITH joined forces with the Africa Centre for Population Health to form a groundbreaking new interdisciplinary institute to fight tuberculosis (TB), HIV and related diseases The new organization, the Africa Health Research Institute (AHRI), is located at the heart of South Africa's TB and HIV co-epidemic in KwaZulu-Natal Province The effort brings together the Africa Centre's detailed population data from over 100,000 participants, with K-RITH's expertise in basic science and its world-class laboratory facilities HHMI, together with the Wellcome Trust, continues to provide grant support to AHRI, with the University College London and UKZN serving as significant academic partners AHRI is committed to working towards the elimination of HIV and TB To achieve this, the institute will bring together leading researchers from different fields, use cutting-edge science to improve people's health, and will help to train the next generation of African scientists

Form 990, Part VII - Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
JAMES A BAKER III ESQ TRUSTEE	2 0	X						40,000	0	0
CHARLENE BARSHEFSKY ESQ TRUSTEE	2 0	X						40,000	0	0
JOSEPH L GOLDSTEIN MD TRUSTEE, CHAIRMAN RESEARCH COMM	4 0	X						48,000	0	0
FRED R LUMMIS TRUSTEE, CHAIRMAN FINANCE COMM	4 0	X						50,000	0	0
PAUL M NURSE PHD TRUSTEE	2 0	X						40,000	0	0
ALISON F RICHARD PHD TRUSTEE, CHAIRMAN EDUCATION COMM	4 0	X						50,000	0	0
CLAYTON S ROSE PHD TRUSTEE, CHAIRMAN AUDIT & COMP	6 0	X						50,000	0	0
KURT L SCHMOKE ESQ TRUSTEE, CHAIRMAN	6 0	X						60,000	0	0
DEBORAH L SPAR PHD TRUSTEE	2 0	X						33,911	0	0
ANNE M TATLOCK TRUSTEE	2 0	X						40,000	0	0

Form 990, Part VII - Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee): Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
ERIN K O'SHEA PHD PRESIDENT	40 0			X				831,324	0	45,716
DENNIS MCKEARIN PHD VP OF OPERATIONS	40 0			X				618,252	0	98,759
SEAN B CARROLL PHD VP FOR SCIENCE EDUCATION	40 0			X				702,062	0	52,549
HEIDI E HENNING ESQ VP,GENERAL COUNSEL/SEC	40 0			X				588,945	0	56,526
DAVID CLAPHAM PHD VP & CHIEF SCI OFF	40 0			X				506,885	0	54,464
GERALD M RUBIN PHD VP&EXEC DIR,JANELIA RES CAMPUS	40 0			X				773,105	0	114,626
LANDIS ZIMMERMAN VP & CHIEF INVESTMENT OFFICER	40 0			X				2,943,434	0	56,307
NITIN V KOTAK CFO & TREASURER thru 6/17	40 0			X				411,844	0	52,709
LAUREN T SPILIOTES ESQ DEP GENCOUNSEL/ASST SEC	40 0			X				403,384	0	55,496
SUSAN S PLOTNICK ASSISTANT TREASURER & DIRECTOR-FINANCE	40 0			X				242,544	0	56,211

Form 990, Part VII - Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee): Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
MONIQUE L MARCUS CONTROLLER	40 0			X				197,419	0	47,863
RICHARD A PENDER MAN DIR - US EQUITIES	40 0				X			1,024,984	0	53,643
GREGORY DENINNO MAN DIR - PRIVATE EQUITIES	40 0				X			451,846	0	59,943
ROBERT J KOLYER JR MAN DIR - DIVERSIFIED ASSETS	40 0				X			1,379,765	0	53,381
STEPHEN M KITSOULIS MAN DIR - FIXED INCOME	40 0				X			784,355	0	46,813
MARK A BARNARD MAN DIR - PRIVATE EQUITIES thru 6/16	40 0				X			689,350	0	32,021
DONALD KOCH MAN DIR - PORTFOLIO STRATEGY	40 0					X		1,052,044	0	54,365
ANIL MADHOK MAN DIR - INVESTMENTS & COO	40 0					X		958,364	0	41,739
THOMAS R CECH PHD INVESTIGATOR	40 0					X		655,133	0	47,933
ERIC R KANDEL MD SENIOR INVESTIGATOR	40 0					X		615,568	0	59,965

Form 990, Part VII - Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
ROBERT TJIAN PHD PRESIDENT thru 8/16	40 0					X		1,294,848	0	61,563
CHERYL A MOORE EXECUTIVE VP & COO thru 1/16	40 0						X	129,023	0	3,659
JOHN PALMISANO VP FOR INFORMATION TECHNOLOGY thru 8/16	40 0						X	286,424	0	35,335
KATHY WYSZYNSKI VP, HUMAN RESOURCES thru 8/16	40 0						X	282,175	0	40,923

SCHEDULE A
(Form 990 or 990EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.
▶ Attach to Form 990 or Form 990-EZ.
▶ Information about Schedule A (Form 990 or 990-EZ) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I **Reason for Public Charity Status** (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is (For lines 1 through 12, check only one box)

1 ☐ A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**

2 ☐ A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E (Form 990 or 990-EZ))

3 ☐ A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**

4 ☑ A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii).** Enter the hospital's name, city, and state
Brigham and Womens Hospital, ,Boston, MA

5 ☐ An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170 (b)(1)(A)(iv).** (Complete Part II)

6 ☐ A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v).**

7 ☐ An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi).** (Complete Part II)

8 ☐ A community trust described in **section 170(b)(1)(A)(vi)** (Complete Part II)

9 ☐ An agricultural research organization described in **170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land grant college of agriculture See instructions Enter the name, city, and state of the college or university

10 ☐ An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See **section 509(a)(2).** (Complete Part III)

11 ☐ An organization organized and operated exclusively to test for public safety See **section 509(a)(4).**

12 ☐ An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2).** See **section 509(a)(3).** Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g

a ☐ **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization **You must complete Part IV, Sections A and B.**

b ☐ **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s) **You must complete Part IV, Sections A and C.**

c ☐ **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions) **You must complete Part IV, Sections A, D, and E.**

d ☐ **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions) **You must complete Part IV, Sections A and D, and Part V.**

e ☐ Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization

f Enter the number of supported organizations

g Provide the following information about the supported organization(s)

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	(iv) Is the organization listed in your governing document? Yes	(iv) No	(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
Total						

Part II **Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)**
(Complete only if you checked the box on line 5, 7, 8, or 9 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a)2012	(b)2013	(c)2014	(d)2015	(e)2016	(f)Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grant ")						
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge						
4 **Total.** Add lines 1 through 3						
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						
6 **Public support.** Subtract line 5 from line 4						

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a)2012	(b)2013	(c)2014	(d)2015	(e)2016	(f)Total
7 Amounts from line 4						
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
9 Net income from unrelated business activities, whether or not the business is regularly carried on						
10 Other income Do not include gain or loss from the sale of capital assets (Explain in Part VI)						
11 **Total support.** Add lines 7 through 10						

12 Gross receipts from related activities, etc (see instructions) **12**

13 **First five years.** If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here** . . . . . ▶ ☐

Section C. Computation of Public Support Percentage

14 Public support percentage for 2016 (line 6, column (f) divided by line 11, column (f)) **14**

15 Public support percentage for 2015 Schedule A, Part II, line 14 **15**

16a **33 1/3% support test—2016.** If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶ ☐

b **33 1/3% support test—2015.** If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶ ☐

17a **10%-facts-and-circumstances test—2016.** If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and **stop here.** Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶ ☐

b **10%-facts-and-circumstances test—2015.** If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and **stop here.** Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶ ☐

18 **Private foundation.** If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions ▶ ☐

Part III **Support Schedule for Organizations Described in Section 509(a)(2)**
(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a)2012	(b)2013	(c)2014	(d)2015	(e)2016	(f)Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants ")						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3 Gross receipts from activities that are not an unrelated trade or business under section 513						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
5 The value of services or facilities furnished by a governmental unit to the organization without charge						
6 **Total.** Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of $5,000 or 1% of the amount on line 13 for the year						
c Add lines 7a and 7b						
8 **Public support.** (Subtract line 7c from line 6)						

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a)2012	(b)2013	(c)2014	(d)2015	(e)2016	(f)Total
9 Amounts from line 6						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						
c Add lines 10a and 10b						
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
12 Other income Do not include gain or loss from the sale of capital assets (Explain in Part VI)						
13 **Total support.** (Add lines 9, 10c, 11, and 12)						

14 **First five years.** If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here** ▶ ☐

Section C. Computation of Public Support Percentage

15	Public support percentage for 2016 (line 8, column (f) divided by line 13, column (f))	15	
16	Public support percentage from 2015 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage

17	Investment income percentage for **2016** (line 10c, column (f) divided by line 13, column (f))	17	
18	Investment income percentage from **2015** Schedule A, Part III, line 17	18	

19a **33 1/3% support tests—2016.** If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶ ☐

b **33 1/3% support tests—2015.** If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶ ☐

20 **Private foundation.** If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ▶ ☐

Part IV Supporting Organizations

(Complete only if you checked a box on line 12 of Part I If you checked 12a of Part I, complete Sections A and B If you checked 12b of Part I, complete Sections A and C If you checked 12c of Part I, complete Sections A, D, and E If you checked 12d of Part I, complete Sections A and D, and complete Part V)

Section A. All Supporting Organizations

			Yes	No
1	Are all of the organization's supported organizations listed by name in the organization's governing documents? *If "No," describe in **Part VI** how the supported organizations are designated If designated by class or purpose, describe the designation If historic and continuing relationship, explain*	1		
2	Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? *If "Yes," explain in **Part VI** how the organization determined that the supported organization was described in section 509(a)(1) or (2)*	2		
3a	Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? *If "Yes," answer (b) and (c) below*	3a		
b	Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? *If "Yes," describe in **Part VI** when and how the organization made the determination*	3b		
c	Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? *If "Yes," explain in **Part VI** what controls the organization put in place to ensure such use*	3c		
4a	Was any supported organization not organized in the United States ("foreign supported organization")? *If "Yes" and if you checked 12a or 12b in Part I, answer (b) and (c) below*	4a		
b	Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? *If "Yes," describe in **Part VI** how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations*	4b		
c	Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? *If "Yes," explain in **Part VI** what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes*	4c		
5a	Did the organization add, substitute, or remove any supported organizations during the tax year? *If "Yes," answer (b) and (c) below (if applicable) Also, provide detail in **Part VI,** including (i) the names and EIN numbers of the supported organizations added, substituted, or removed, (ii) the reasons for each such action, (iii) the authority under the organization's organizing document authorizing such action, and (iv) how the action was accomplished (such as by amendment to the organizing document)*	5a		
b	**Type I or Type II only.** Was any added or substituted supported organization part of a class already designated in the organization's organizing document?	5b		
c	**Substitutions only.** Was the substitution the result of an event beyond the organization's control?	5c		
6	Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? *If "Yes," provide detail in **Part VI.***	6		
7	Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? *If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ)*	7		
8	Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? *If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ)*	8		
9a	Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? *If "Yes," provide detail in **Part VI.***	9a		
b	Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? *If "Yes," provide detail in **Part VI.***	9b		
c	Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? *If "Yes," provide detail in **Part VI.***	9c		
10a	Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? *If "Yes," answer line 10b below*	10a		
b	Did the organization have any excess business holdings in the tax year? *(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings)*	10b		

Part IV **Supporting Organizations** (continued)

			Yes	No
11	Has the organization accepted a gift or contribution from any of the following persons?			
a	A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?	**11a**		
b	A family member of a person described in (a) above?	**11b**		
c	A 35% controlled entity of a person described in (a) or (b) above? *If "Yes" to a, b, or c, provide detail in Part VI*	**11c**		

Section B. Type I Supporting Organizations

			Yes	No
1	Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? *If "No," describe in **Part VI** how the supported organization(s) effectively operated, supervised, or controlled the organization's activities If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year*	**1**		
2	Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? *If "Yes," explain in **Part VI** how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting organization*	**2**		

Section C. Type II Supporting Organizations

			Yes	No
1	Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? *If "No," describe in **Part VI** how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s)*	**1**		

Section D. All Type III Supporting Organizations

			Yes	No
1	Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?	**1**		
2	Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization (s) or (ii) serving on the governing body of a supported organization? *If "No," explain in **Part VI** how the organization maintained a close and continuous working relationship with the supported organization(s)*	**2**		
3	By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? *If "Yes," describe in **Part VI** the role the organization's supported organizations played in this regard*	**3**		

Section E. Type III Functionally-Integrated Supporting Organizations

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year **(see instructions)**

a ☐ The organization satisfied the Activities Test Complete **line 2** below

b ☐ The organization is the parent of each of its supported organizations Complete **line 3** below

c ☐ The organization supported a governmental entity Describe in **Part VI** how you supported a government entity (see instructions)

			Yes	No
2	Activities Test **Answer (a) and (b) below.**			
a	Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? *If "Yes," then in **Part VI identify those supported organizations and explain** how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities*	**2a**		
b	Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? *If "Yes," explain in **Part VI** the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement*	**2b**		
3	Parent of Supported Organizations **Answer (a) and (b) below.**			
a	Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? *Provide details in **Part VI.***	**3a**		
b	Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? *If "Yes," describe in **Part VI.** the role played by the organization in this regard*	**3b**		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations

1 ☐ Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov 20, 1970 **See instructions.** All other Type III non-functionally integrated supporting organizations must complete Sections A through E

Section A - Adjusted Net Income

			(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1		
2	Recoveries of prior-year distributions	2		
3	Other gross income (see instructions)	3		
4	Add lines 1 through 3	4		
5	Depreciation and depletion	5		
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6		
7	Other expenses (see instructions)	7		
8	**Adjusted Net Income** (subtract lines 5, 6 and 7 from line 4)	8		

Section B - Minimum Asset Amount

			(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year)	1		
a	Average monthly value of securities	1a		
b	Average monthly cash balances	1b		
c	Fair market value of other non-exempt-use assets	1c		
d	**Total** (add lines 1a, 1b, and 1c)	1d		
e	**Discount** claimed for blockage or other factors (explain in detail in Part VI)			
2	Acquisition indebtedness applicable to non-exempt use assets	2		
3	Subtract line 2 from line 1d	3		
4	Cash deemed held for exempt use Enter 1-1/2% of line 3 (for greater amount, see instructions)	4		
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5		
6	Multiply line 5 by 035	6		
7	Recoveries of prior-year distributions	7		
8	**Minimum Asset Amount** (add line 7 to line 6)	8		

Section C - Distributable Amount

				Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1		
2	Enter 85% of line 1	2		
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3		
4	Enter greater of line 2 or line 3	4		
5	Income tax imposed in prior year	5		
6	**Distributable Amount.** Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6		

7 ☐ Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)

Part V **Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)**

Section D - Distributions	**Current Year**
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI) See instructions	
7 **Total annual distributions.** Add lines 1 through 6	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI) See instructions	
9 Distributable amount for 2016 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	**(i) Excess Distributions**	**(ii) Underdistributions Pre-2016**	**(iii) Distributable Amount for 2016**
1 Distributable amount for 2016 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2016 (reasonable cause required--see instructions)			
3 Excess distributions carryover, if any, to 2016			
a			
b			
c From 2013.			
d From 2014.			
e From 2015.			
f **Total** of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2016 distributable amount			
i Carryover from 2011 not applied (see instructions)			
j Remainder Subtract lines 3g, 3h, and 3i from 3f			
4 Distributions for 2016 from Section D, line 7 $			
a Applied to underdistributions of prior years			
b Applied to 2016 distributable amount			
c Remainder Subtract lines 4a and 4b from 4			
5 Remaining underdistributions for years prior to 2016, if any Subtract lines 3g and 4a from line 2 (if amount greater than zero, see instructions)			
6 Remaining underdistributions for 2016 Subtract lines 3h and 4b from line 1 (if amount greater than zero, see instructions)			
7 **Excess distributions carryover to 2017.** Add lines 3j and 4c			
8 Breakdown of line 7			
a			
b Excess from 2013.			
c Excess from 2014.			
d Excess from 2015.			
e Excess from 2016.			

Part VI **Supplemental Information.**

Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a and 3b; Part V, line 1; Part V, Section B, line 1e; Part V Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information. (See instructions).

Facts And Circumstances Test

SCHEDULE C (Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Political Campaign and Lobbying Activities

For Organizations Exempt From Income Tax Under section 501(c) and section 527
▶Complete if the organization is described below. ▶Attach to Form 990 or Form 990-EZ.
▶Information about Schedule C (Form 990 or 990-EZ) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

If the organization answered "Yes" on Form 990, Part IV, Line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then
- Section 501(c)(3) organizations Complete Parts I-A and B Do not complete Part I-C
- Section 501(c) (other than section 501(c)(3)) organizations Complete Parts I-A and C below Do not complete Part I-B
- Section 527 organizations Complete Part I-A only

If the organization answered "Yes" on Form 990, Part IV, Line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then
- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)) Complete Part II-A Do not complete Part II-B
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)) Complete Part II-B Do not complete Part II-A

If the organization answered "Yes" on Form 990, Part IV, Line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then
- Section 501(c)(4), (5), or (6) organizations Complete Part III

Name of the organization	Employer identification number
Howard Hughes Medical Institute	59-0735717

Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

1 Provide a description of the organization's direct and indirect political campaign activities in Part IV

2 Political expenditures ▶ $

3 Volunteer hours

Part I-B Complete if the organization is exempt under section 501(c)(3).

1 Enter the amount of any excise tax incurred by the organization under section 4955 ▶ $

2 Enter the amount of any excise tax incurred by organization managers under section 4955 ▶ $

3 If the organization incurred a section 4955 tax, did it file Form 4720 for this year? ☐ Yes ☐ No

4a Was a correction made? ☐ Yes ☐ No

b If "Yes," describe in Part IV

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

1 Enter the amount directly expended by the filing organization for section 527 exempt function activities ▶ $

2 Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities ▶ $

3 Total exempt function expenditures Add lines 1 and 2 Enter here and on Form 1120-POL, line 17b ▶ $

4 Did the filing organization file **Form 1120-POL** for this year? ☐ Yes ☐ No

5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments For each organization listed, enter the amount paid from the filing organization's funds Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC) If additional space is needed, provide information in Part IV

(a) Name	**(b)** Address	**(c)** EIN	**(d)** Amount paid from filing organization's funds If none, enter -0-	**(e)** Amount of political contributions received and promptly and directly delivered to a separate political organization If none, enter -0-
2				
3				
4				
5				
6				

Part II-A **Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).**

A Check ▶ ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures)

B Check ▶ ☐ if the filing organization checked box A and "limited control" provisions apply

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)	**(a)** Filing organization's totals	**(b)** Affiliated group totals
1a Total lobbying expenditures to influence public opinion (grass roots lobbying)		
b Total lobbying expenditures to influence a legislative body (direct lobbying)		
c Total lobbying expenditures (add lines 1a and 1b)		
d Other exempt purpose expenditures		
e Total exempt purpose expenditures (add lines 1c and 1d)		
f Lobbying nontaxable amount Enter the amount from the following table in both columns		
g Grassroots nontaxable amount (enter 25% of line 1f)		
h Subtract line 1g from line 1a If zero or less, enter -0-		
i Subtract line 1f from line 1c If zero or less, enter -0-		

If the amount on line 1e, column (a) or (b) is:	**The lobbying nontaxable amount is:**
Not over $500,000	20% of the amount on line 1e
Over $500,000 but not over $1,000,000	$100,000 plus 15% of the excess over $500,000
Over $1,000,000 but not over $1,500,000	$175,000 plus 10% of the excess over $1,000,000
Over $1,500,000 but not over $17,000,000	$225,000 plus 5% of the excess over $1,500,000
Over $17,000,000	$1,000,000

j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year? ☐ **Yes** ☐ **No**

4-Year Averaging Period Under section 501(h)
(Some organizations that made a section 501(h) election do not have to complete all of the five columns below. See the separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period

Calendar year (or fiscal year beginning in)	**(a)** 2013	**(b)** 2014	**(c)** 2015	**(d)** 2016	**(e)** Total
2a Lobbying nontaxable amount					
b Lobbying ceiling amount (150% of line 2a, column(e))					
c Total lobbying expenditures					
d Grassroots nontaxable amount					
e Grassroots ceiling amount (150% of line 2d, column (e))					
f Grassroots lobbying expenditures					

Part II-B **Complete if the organization is exempt under section 501(c)(3) and has NOT filed Form 5768 (election under section 501(h)).**

For each "Yes" response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity		(a) Yes	(a) No	(b) Amount
1	During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of			
a	Volunteers?		No	
b	Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?		No	
c	Media advertisements?		No	
d	Mailings to members, legislators, or the public?		No	
e	Publications, or published or broadcast statements?		No	
f	Grants to other organizations for lobbying purposes?		No	
g	Direct contact with legislators, their staffs, government officials, or a legislative body?	Yes		15,000
h	Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?		No	
i	Other activities?	Yes		1,529
j	Total Add lines 1c through 1i			16,529
2a	Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?		No	
b	If "Yes," enter the amount of any tax incurred under section 4912			
c	If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
d	If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

Part III-A **Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6).**

			Yes	No
1	Were substantially all (90% or more) dues received nondeductible by members?	1		
2	Did the organization make only in-house lobbying expenditures of $2,000 or less?	2		
3	Did the organization agree to carry over lobbying and political expenditures from the prior year?	3		

Part III-B **Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part III-A, line 3, is answered "Yes."**

1	Dues, assessments and similar amounts from members	1	
2	Section 162(e) nondeductible lobbying and political expenditures **(do not include amounts of political expenses for which the section 527(f) tax was paid).**		
a	Current year	2a	
b	Carryover from last year	2b	
c	Total	2c	
3	Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	3	
4	If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year?	4	
5	Taxable amount of lobbying and political expenditures (see instructions)	5	

Part IV **Supplemental Information**

Provide the descriptions required for Part I-A, line 1, Part I-B, line 4, Part I-C, line 5, Part II-A (affiliated group list), Part II-A, lines 1 and 2 (see instructions), and Part II-B, line 1 Also, complete this part for any additional information

Return Reference	Explanation
Schedule C, Part II-B, Line 1 DETAILED DESCRIPTION OF THE LOBBYING ACTIVITY	OTHER ACTIVITIES, SCHEDULE C, PART II-B, LINE 1g (OTHER ACTIVITIES) Amounts spent to paid lobbying firm for direct contact with federal legislators and their staffs on pending legislative matters OTHER ACTIVITIES, SCHEDULE C, PART II-B, LINE 1I (OTHER ACTIVITIES) DURING THE FISCAL YEAR, HHMI WAS A MEMBER OF A NUMBER OF NON-PROFIT ORGANIZATIONS THAT ENGAGED IN LOBBYING ACTIVITIES ON BEHALF OF THEIR MEMBERSHIPS HHMI IS REPORTING AS LOBBYING EXPENDITURES A PORTION OF THE MEMBERSHIP DUES THAT HHMI PAID TO THESE ORGANIZATIONS
Schedule C, Part II-B, Line 1 DETAILED DESCRIPTION OF THE LOBBYING ACTIVITY	OTHER ACTIVITIES, SCHEDULE C, PART II-B, LINE 1g (OTHER ACTIVITIES) Amounts spent to paid lobbying firm for direct contact with federal legislators and their staffs on pending legislative matters OTHER ACTIVITIES, SCHEDULE C, PART II-B, LINE 1I (OTHER ACTIVITIES) DURING THE FISCAL YEAR, HHMI WAS A MEMBER OF A NUMBER OF NON-PROFIT ORGANIZATIONS THAT ENGAGED IN LOBBYING ACTIVITIES ON BEHALF OF THEIR MEMBERSHIPS HHMI IS REPORTING AS LOBBYING EXPENDITURES A PORTION OF THE MEMBERSHIP DUES THAT HHMI PAID TO THESE ORGANIZATIONS

SCHEDULE D (Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

▶ Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
▶ Attach to Form 990.
Information about Schedule D (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts.
Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

		(a) Donor advised funds	(b) Funds and other accounts
1	Total number at end of year		
2	Aggregate value of contributions to (during year)		
3	Aggregate value of grants from (during year)		
4	Aggregate value at end of year		

5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? ☐ Yes ☐ No

6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit? ☐ Yes ☐ No

Part II Conservation Easements. Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply)

☐ Preservation of land for public use (e g , recreation or education)
☐ Preservation of an historically important land area
☐ Protection of natural habitat
☐ Preservation of a certified historic structure
☐ Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year

			Held at the End of the Year
a	Total number of conservation easements	2a	
b	Total acreage restricted by conservation easements	2b	
c	Number of conservation easements on a certified historic structure included in (a)	2c	
d	Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d	

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶ _____

4 Number of states where property subject to conservation easement is located ▶ _____

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ _____

7 Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ $ _____

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)? ☐ Yes ☐ No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.
Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items

(i) Revenue included on Form 990, Part VIII, line 1 ▶ $ _____

(ii) Assets included in Form 990, Part X ▶ $ _____

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items

a Revenue included on Form 990, Part VIII, line 1 ▶ $ _____

b Assets included in Form 990, Part X ▶ $ _____

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets *(continued)*

3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply)

a ☐ Public exhibition

b ☐ Scholarly research

c ☐ Preservation for future generations

d ☐ Loan or exchange programs

e ☐ Other

4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII

5 During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? ☐ Yes ☐ No

Part IV Escrow and Custodial Arrangements.
Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII and complete the following table

		Amount
c	Beginning balance	1c
d	Additions during the year	1d
e	Distributions during the year	1e
f	Ending balance	1f

2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII Check here if the explanation has been provided in Part XIII . . . . . ☐

Part V Endowment Funds. Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a)Current year	(b)Prior year	(c)Two years back	(d)Three years back	(e)Four years back
1a Beginning of year balance					
b Contributions . . .					
c Net investment earnings, gains, and losses					
d Grants or scholarships . . .					
e Other expenditures for facilities and programs . . .					
f Administrative expenses					
g End of year balance					

2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as

a Board designated or quasi-endowment ▶

b Permanent endowment ▶

c Temporarily restricted endowment ▶

The percentages on lines 2a, 2b, and 2c should equal 100%

3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by

	Yes	No
(i) unrelated organizations . . . . . 3a(i)		
(ii) related organizations . . . . . 3a(ii)		
b If "Yes" on 3a(ii), are the related organizations listed as required on Schedule R? 3b		

4 Describe in Part XIII the intended uses of the organization's endowment funds

Part VI Land, Buildings, and Equipment.
Complete if the organization answered 'Yes' on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b)Cost or other basis (other)	(c)Accumulated depreciation	(d)Book value
1a Land . . .	807,737	84,964,142		85,771,879
b Buildings	10,248,413	754,831,405	296,137,655	468,942,163
c Leasehold improvements		362,328,370	339,158,083	23,170,287
d Equipment . . .		535,533,028	427,155,384	108,377,644
e Other . . .	921,448	32,251,151	7,513,574	25,659,025
Total. Add lines 1a through 1e *(Column (d) must equal Form 990, Part X, column (B), line 10(c))* . . ▶				711,920,998

Part VII **Investments—Other Securities.** Complete if the organization answered 'Yes' on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other		
(A) PRIVATE EQUITY & REAL ESTATE	5,111,939,362	F
(B) DISTRESSED & CREDIT SENSITIVE	2,346,503,266	F
(C) HEDGED EQUITY	2,271,749,523	F
(D) MARKET NEUTRAL	1,680,540,584	F
(E) EQUITY COMMINGLED	2,633,593,280	F
(E)		
(F)		
(G)		
(H)		
Total. *(Column (b) must equal Form 990, Part X, col (B) line 12)* ▶	14,044,326,015	

Part VIII **Investments—Program Related.** Complete if the organization answered 'Yes' on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. *(Column (b) must equal Form 990, Part X, col (B) line 13)* ▶		

Part IX **Other Assets.** Complete if the organization answered 'Yes' on Form 990, Part IV, line 11d See Form 990, Part X, line 15

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. *(Column (b) must equal Form 990, Part X, col (B) line 15)* ▶	

Part X **Other Liabilities.** Complete if the organization answered 'Yes' on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
See Additional Data Table	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. *(Column (b) must equal Form 990, Part X, col (B) line 25)* ▶	657,102,151

2. Liability for uncertain tax positions In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740) Check here if the text of the footnote has been provided in Part XIII ☐

Part XI **Reconciliation of Revenue per Audited Financial Statements With Revenue per Return**

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements			1	2,382,777,960
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12				
a	Net unrealized gains (losses) on investments	2a	934,015,853		
b	Donated services and use of facilities	2b			
c	Recoveries of prior year grants	2c			
d	Other (Describe in Part XIII)	2d	0		
e	Add lines **2a** through **2d**			2e	934,015,853
3	Subtract line **2e** from line **1**			3	1,448,762,107
4	Amounts included on Form 990, Part VIII, line 12, but not on line **1**				
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	103,303,698		
b	Other (Describe in Part XIII)	4b	-1,517,914		
c	Add lines **4a** and **4b**			4c	101,785,784
5	Total revenue Add lines **3** and **4c.** (This must equal Form 990, Part I, line 12)			5	1,550,547,891

Part XII **Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.**

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements			1	936,514,488
2	Amounts included on line 1 but not on Form 990, Part IX, line 25				
a	Donated services and use of facilities	2a			
b	Prior year adjustments	2b			
c	Other losses	2c			
d	Other (Describe in Part XIII)	2d	0		
e	Add lines **2a** through **2d**			2e	0
3	Subtract line **2e** from line **1**			3	936,514,488
4	Amounts included on Form 990, Part IX, line 25, but not on line **1:**				
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	103,303,698		
b	Other (Describe in Part XIII)	4b	3,635,735		
c	Add lines **4a** and **4b**			4c	106,939,433
5	Total expenses Add lines **3** and **4c.** (This must equal Form 990, Part I, line 18)			5	1,043,453,921

Part XIII **Supplemental Information**

Provide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4, Part IV, lines 1b and 2b, Part V, line 4, Part X, line 2, Part XI, lines 2d and 4b, and Part XII, lines 2d and 4b Also complete this part to provide any additional information

Return Reference	Explanation
See Additional Data Table	

Part XIII Supplemental Information *(continued)*

Return Reference	Explanation

Additional Data

Software ID: 16000421
Software Version: 2016v3.0
EIN: 59-0735717
Name: Howard Hughes Medical Institute

Form 990, Schedule D, Part X, - Other Liabilities

1 (a) Description of Liability	(b) Book Value
DERIVATIVE LIABILITIES	
SHORT POSITIONS	383,977,061
INVESTMENT PURCH PENDING SALES	62,445,239
CURRENCY EXCH CONTRACTS PAY	1,796,543
PAY REALIZED GAINS ON FUTURES	
DEFERRED COMPENSATION LIAB	44,712,169
SWAP UNREALIZED LOSS	148,892,160
INVESTMENT MANAGEMENT FEES PAYABLE	7,062,641
DEFERRED INCOME	1,811,590
INTEREST & DIVIDENDS ON SHORT STOCKS & BONDS	640,554

Form 990, Schedule D, Part X, - Other Liabilities

1	(a) Description of Liability	(b) Book Value
	CONTRACT FOR DIFFERENCES LIABILITY	5,764,194

Supplemental Information

Return Reference	Explanation
Schedule D, Part XI, Line 4(b) Other revenues in form 990 not in audited financial statements	Rental Expenses - -1517914

Supplemental Information

Return Reference	Explanation
Schedule D, Part XII, Line 4(b) Other expenses in form 990 not in audited financial statements	Rental Expenses - -1517914 Grants refunds, write-offs etc - 5153649

SCHEDULE F (Form 990)

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 14b, 15, or 16.

▶ Attach to Form 990. ▶ See separate instructions.

▶ Information about Schedule F (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I **General Information on Activities Outside the United States.** Complete if the organization answered "Yes" to Form 990, Part IV, line 14b.

1 **For grantmakers.** Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☑ Yes ☐ No

2 **For grantmakers.** Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States

3 Activites per Region (The following Part I, line 3 table can be duplicated if additional space is needed)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in region	(d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for and investments in region
See Add'l Data					
3a Sub-total	0	0			9,637,683,666
b Total from continuation sheets to Part I	0	0			0
c **Totals** (add lines 3a and 3b)	0	0			9,637,683,666

Part II **Grants and Other Assistance to Organizations or Entities Outside the United States.** Complete if the organization answered "Yes" to Form 990, Part IV, line 15, for any recipient who received more than $5,000. Part II can be duplicated if additional space is needed.

1 (a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
See Add'l Data								

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter . . . . . ▶ 3

3 Enter total number of other organizations or entities . . . . . ▶ 18

Part III **Grants and Other Assistance to Individuals Outside the United States.** Complete if the organization answered "Yes" to Form 990, Part IV, line 16. Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	**(b)** Region	**(c)** Number of recipients	**(d)** Amount of cash grant	**(e)** Manner of cash disbursement	**(f)** Amount of non-cash assistance	**(g)** Description of non-cash assistance	**(h)** Method of valuation (book, FMV, appraisal, other)

Part IV Foreign Forms

1 Was the organization a U S transferor of property to a foreign corporation during the tax year? *If "Yes,"the organization may be required to file Form 926, Return by a U S Transferor of Property to a Foreign Corporation (see Instructions for Form 926)*

☑ Yes ☐ No

2 Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return to Report Transactions with Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U S Owner (see Instructions for Forms 3520 and 3520-A)*

☑ Yes ☐ No

3 Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U S Persons with Respect to Certain Foreign Corporations (see Instructions for Form 5471)*

☑ Yes ☐ No

4 Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621)*

☑ Yes ☐ No

5 Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U S Persons with Respect to Certain Foreign Partnerships (see Instructions for Form 8865)*

☑ Yes ☐ No

6 Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713)*

☐ Yes ☑ No

Part V **Supplemental Information**

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information (see instructions).

Return Reference	Explanation
Schedule F, Part I, Line 2 Procedures for monitoring use of grant funds	During its 2017 fiscal year, HHMI continued to support International Research Scholars selected through one or more competitions open to all eligible applicants Eligibility requirements included, but were not limited to, a full-time appointment at a nonprofit scientific research organization in a country other than the United States, and a research focus on basic biological processes or disease mechanisms Qualified applicants were evaluated by a panel of scientific experts with final selections made by HHMI leadership The disbursement of grant funds to support the work of International Early Career Scientists and Senior International Research Scholars is made in accordance with all applicable U S laws Funds are paid to an institutional account In order to monitor the activities and productivity of the grants, each scientist is required to submit an annual progress report concerning his or her research and each grantee institution is required to submit annual financial reports These reports are reviewed by HHMI staff site visits and audits are conducted if warranted and grantees attend scientific meetings of HHMI US-based scientists

Return Reference	Explanation
Schedule F, Part I, Line 2 PROCEDURES FOR MONITORING USE OF GRANT FUNDS	During its 2017 fiscal year, HHMI continued to support International Research Scholars selected through one or more competitions open to all eligible applicants Eligibility requirements included, but were not limited to, a full-time appointment at a nonprofit scientific research organization in a country other than the United States, and a research focus on basic biological processes or disease mechanisms Qualified applicants were evaluated by a panel of scientific experts with final selections made by HHMI leadership The disbursement of grant funds to support the work of International Early Career Scientists and Senior International Research Scholars is made in accordance with all applicable U S laws Funds are paid to an institutional account In order to monitor the activities and productivity of the grants, each scientist is required to submit an annual progress report concerning his or her research and each grantee institution is required to submit annual financial reports These reports are reviewed by HHMI staff site visits and audits are conducted if warranted and grantees attend scientific meetings of HHMI US-based scientists

Additional Data

Software ID: 16000421
Software Version: 2016v3.0
EIN: 59-0735717
Name: Howard Hughes Medical Institute

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Central America and the Caribbean	0	0	Investments		7,278,535,754
North America (Canada & Mexico only)	0	0	Investments		189,356,445
Europe (Including Iceland and Greenland)	0	0	Investments		1,384,284,104

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific	0	0	Investments		599,713,335
South America	0	0	Investments		50,628,290
South Asia	0	0	Investments		47,838,272

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Middle East and North Africa	0	0	Investments		9,894,925
Russia and Neighboring States	0	0	Investments		683,463
Sub-Saharan Africa	0	0	Investments		38,821,976

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific	0	0	Grantmaking		5,720,000
Europe (Including Iceland and Greenland)	0	0	Grantmaking		5,720,000
Middle East and North Africa	0	0	Grantmaking		2,860,000

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
South America	0	0	Grantmaking		2,145,000
South Asia	0	0	Grantmaking		715,000
Sub-Saharan Africa	0	0	Grantmaking		17,715,000

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Europe (Including Iceland and Greenland)	0	0	Program Services	Open Access	3,052,102

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		Sub-Saharan Africa	Medical Research	17,000,000	WT			
		Sub-Saharan Africa	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		East Asia and the Pacific	Medical Research	715,000	WT			
		East Asia and the Pacific	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		East Asia and the Pacific	Medical Research	1,430,000	WT			
		East Asia and the Pacific	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		East Asia and the Pacific	Medical Research	715,000	WT			
		East Asia and the Pacific	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		East Asia and the Pacific	Medical Research	715,000	WT			
		Europe (Including Iceland and Greenland)	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		Europe (Including Iceland and Greenland)	Medical Research	715,000	WT			
		Europe (Including Iceland and Greenland)	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		Europe (Including Iceland and Greenland)	Medical Research	1,430,000	WT			
		Europe (Including Iceland and Greenland)	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		Europe (Including Iceland and Greenland)	Medical Research	715,000	WT			
		Europe (Including Iceland and Greenland)	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		Middle East and North Africa	Medical Research	1,430,000	WT			
		Middle East and North Africa	Medical Research	1,430,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		South America	Medical Research	715,000	WT			
		South America	Medical Research	715,000	WT			

Form 990 Schedule F Part II - Grants or Entities Outside The United States

(a) Name of organization	(b) IRS code section and EIN(if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		South America	Medical Research	715,000	WT			
		South Asia	Medical Research	715,000	WT			

Schedule I (Form 990)

Department of the Treasury
Internal Revenue Service

Grants and Other Assistance to Organizations, Governments and Individuals in the United States

Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.
▶ Attach to Form 990.
▶ Information about Schedule I (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I General Information on Grants and Assistance

1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? . . . . . ☑ Yes ☐ No

2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments.

Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than $5,000 Part II can be duplicated if additional space is needed

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
See Additional Data Table							
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table . . . . . ▶ 83

3 Enter total number of other organizations listed in the line 1 table . . . . . ▶ 5

Part III **Grants and Other Assistance to Domestic Individuals.** Complete if the organization answered "Yes" on Form 990, Part IV, line 22
Part III can be duplicated if additional space is needed

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of non-cash assistance
(1) EXROP PROGRAM	85	472,367			
(2) GILLIAM FELLOWSHIPS	96	5,186,555			
(3) MEDICAL RESEARCH FELLOWSHIPS	79	3,145,000			
(3)					
(4)					
(5)					
(6)					
(7)					

Part IV **Supplemental Information.** Provide the information required in Part I, line 2, Part III, column (b), and any other additional information.

Return Reference	Explanation
Schedule I, Part I, Line 2 Procedures for monitoring use of grant funds	HHMI awards institutional grants in support of precollege, undergraduate, and graduate education in the US through periodic national competitions for which select institutions are eligible to apply Each program sets out specific criteria and objectives, proposals are evaluated by a panel of experts with the final selection made by HHMI leadership The Institute also awards fellowships to international predoctoral students, to medical students seeking to conduct basic laboratory research, and to doctoral students (the Gilliam Fellows) These grants are also awarded on a competitive basis A small number of grants are awarded based on direct application to HHMI for specific initiatives directly related to science education The disbursement of funds occurs principally through biomedical research institutions, universities, and colleges HHMI grantees are required to file annual progress reports that detail expenditures in accordance with the terms of the grant, as well as full description of program activities undertaken with the funds These are subject to careful review and analysis by HHMI staff with more detailed review by the Institute auditors as warranted The Institute continues to assess reporting requirements to ensure the quality and timeliness of both financial and programmatic reports In addition to site visits made by HHMI staff, program directors meet on a regular basis to discuss their activities and share information about best educational practices

Additional Data

Software ID: 16000421
Software Version: 2016v3.0
EIN: 59-0735717
Name: Howard Hughes Medical Institute

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
UC - Santa Barbara UC - Santa Barbara Santa Barbara, CA 93106	95-6006145	501 (c) 3	50,000	0			Ugrad Science Ed
UC- Los Angeles UC- Los Angeles Los Angeles, CA 90095	95-6006143	501 (c) 3	45,722	0			Ugrad Science Ed

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Univ of Washington Univ of Washington Seattle, WA 98195	91-6001537	501 (c) 3	9,732	0			Ugrad Science Ed
Univ Of Miami Univ Of Miami Coral Gables, FL 33146	59-0624458	501 (c) 3	5,855	0			Ugrad Science Ed

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Univ Of Wisconsin Univ Of Wisconsin Madison, WI 53706	39-6006492	501 (c) 3	30,587	0			Ugrad Science Ed
Univ of Washington Univ of Washington Seattle, WA 98195	91-6001537	501 (c) 3	55,000	0			University (Doctoral)

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Chaminade Univ Chaminade Univ Honolulu, HI 96816	99-0272261	501 (c) 3	1,000,000	0			Inclusive Excellence
Delaware State Univ Delaware State Univ Dover, DE 19901	51-0305893	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Humboldt State Univ Humboldt State Univ Arcata, CA 95521	94-6050071	501 (c) 3	1,000,000	0			Inclusive Excellence
Kenyon College Kenyon College Gambier, OH 43022	31-4379507	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Lawrence Technological Univ Lawrence Technological Univ Southfield, MI 48075	38-1369604	501 (c) 3	1,000,000	0			Inclusive Excellence
Northeastern Univ Northeastern Univ Boston, MA 02115	04-1679980	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Oberlin College Oberlin College Oberlin, OH 44074	34-0714363	501 (c) 3	1,000,000	0			Inclusive Excellence
Radford Univ Radford Univ Radford, VA 24141	54-6001789	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Rochester Institute of Technology Rochester Inst of Technology Rochester, NY 14623	16-0743140	501 (c) 3	1,000,000	0			Inclusive Excellence
San Francisco State Univ San Francisco State Univ San Francisco, CA 94132	93-1137247	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Stony Brook Univ Stony Brook Univ Stony Brook, NY 11794	14-1368361	501 (c) 3	1,000,000	0			Inclusive Excellence
Towson Univ Towson Univ Towson, MD 21252	52-6002033	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Trinity Washington Univ Trinity Washington Univ Washington, DC 20017	53-0196640	501 (c) 3	1,000,000	0			Inclusive Excellence
Tufts Univ Tufts Univ Boston, MA 02111	04-2103648	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
UC- Davis UC- Davis Davis, CA 95616	94-6036494	501 (c) 3	1,000,000	0			Inclusive Excellence
UC- Los Angeles UC- Los Angeles Los Angeles, CA 90095	95-6006143	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Univ of Colorado Univ of Colorado Denver, CO 80203	84-6000555	501 (c) 3	1,000,000	0			Inclusive Excellence
Univ of Northern Colorado Univ of Northern Colorado Greeley, CO 80639	84-6000546	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Univ of South Dakota Univ of South Dakota Vermillion, SD 57069	46-6003541	501 (c) 3	1,000,000	0			Inclusive Excellence
Univ of Texas Rio Grande Valley UT Rio Grande Valley Brownsville, TX 78520	46-5292740	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Univ of Utah Univ of Utah Salt Lake City, UT 84112	87-6000525	501 (c) 3	1,000,000	0			Inclusive Excellence
Virginia Tech Univ Virginia Tech Univ Blacksburg, VA 24061	54-6001805	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Washington Univ Washington Univ St Louis, MO 63130	43-0653611	501 (c) 3	1,000,000	0			Inclusive Excellence
Western Washington Univ Western Washington Univ Bellingham, WA 98225	91-6000562	501 (c) 3	1,000,000	0			Inclusive Excellence

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
UC - San Francisco UC - San Francisco San Francisco, CA 94143	94-6036493	501 (c) 3	24,812	0			EXROP Program - Housing
Travel Expense paid on behalf of grantees-Calista Hotel 1485 Bush Street San Francisco, CA 94109			10,850	0			EXROP Program - Housing

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
CA Inst of Technology CA Inst of Technology Pasadena, CA 91125	95-1643307	501 (c) 3	5,157	0			EXROP Program - Housing
Cornell Univ Cornell Univ Ithaca, NY 14853	15-0532082	501 (c) 3	5,492	0			EXROP Program - Housing

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Univ of Washington Univ of Washington Seattle, WA 98195	91-6001537	501 (c) 3	15,240	0			EXROP Program - Housing
Travel Expense paid on behalf of grantees-AMR Corp 4333 Amon Carter Blvd Fort Worth, TX 76155	75-1825172		7,440	0			EXROP Program - Travel

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
UC - Berkeley UC - Berkeley Berkeley, CA 94720	94-6002123	501 (c) 3	23,595	0			EXROP Program - Housing
Travel Expense paid on behalf of grantees-Southwest Air PO Box 36611 Dallas, TX 75235	74-1563240		5,497	0			EXROP Program - Travel

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Columbia University Columbia University New York, NY 10027	13-5598093	501 (c) 3	19,000	0			EXROP Program - Housing
Harvard University Harvard University Cambridge, MA 02138	04-2103580	501 (c) 3	35,297	0			EXROP Program - Housing

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Yale University Yale University New Haven, CT 06520	06-0646973	501 (c) 3	18,819	0			EXROP Program - Housing
Travel Expense paid on behalf of grantees-La Jolla Cove Ste 1155 Coast Blvd La Jolla, CA 92037	95-2099802		6,259	0			EXROP Program - Housing

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Travel Expense paid on behalf of grantees-Longwood Inn 342 Longwood Avenue Brookline, MA 02446	04-2932331		10,347	0			EXROP Program - Housing
Marine Biological Lab Marine Biological Lab Woods Hole, MA 02543	04-2104690	501 (c) 3	6,394	0			EXROP Program - Housing

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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UC- Los Angeles UC- Los Angeles Los Angeles, CA 90095	95-6006143	501 (c) 3	16,172	0			EXROP Program - Housing
Baylor Univ Baylor Univ Houston, TX 77030	74-1613878	501 (c) 3	6,117	0			EXROP Program - Housing

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Univ of Texas Univ of Texas Austin, TX 78712	74-6000203	501 (c) 3	5,550	0			EXROP Program - Housing
Univ of Maryland Univ of Maryland Baltimore, MD 21201	52-6002033	501 (c) 3	10,000	0			Minority Serving Inst

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Audubon Naturalist Soc 8940 Jones Mill Rd Chevy Chase, MD 20815	53-0233715	501 (c) 3	98,750	0			Local Inititative
Chesapeake Bay Foundation 162 Prince George St Annapolis, MD 21401	52-6065757	501 (c) 3	300,000	0			Local Inititative

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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PG County Public Schools 14201 School Lane Upper Marlboro, MD 20772	52-6000992	501 (c) 3	78,125	0			Local Inititative
Montgomery Cty PS Educ Found 850 Hungerford Dr Rockville, MD 20850	52-1804509	501 (c) 3	1,090,000	0			Local Inititative

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Loudoun Cty Public Schools 21000 Education Court Leesburg, VA 20176	54-6001395	501 (c) 3	2,000,000	0			PreCollege Science - Other
Yale Univ Yale Univ New Haven, CT 06520	06-0646973	501 (c) 3	16,465	0			Science Education Alliance

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Gonzaga Univ Gonzaga Univ Spokane, WA 99258	91-0236600	501 (c) 3	18,030	0			Science Education Alliance
Univ of Pennsylvania Univ of Pennsylvania Philadelphia, PA 19104	23-1352685	501 (c) 3	320,000	0			Hanna Gray Scholars

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Harvard Medical School Harvard Medical School Boston, MA 02115	04-2103580	501 (c) 3	960,000	0			Hanna Gray Scholars
UC - San Francisco UC - San Francisco San Francisco, CA 94143	94-6036493	501 (c) 3	640,000	0			Hanna Gray Scholars

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	**(b)** EIN	**(c)** IRC section if applicable	**(d)** Amount of cash grant	**(e)** Amount of non-cash assistance	**(f)** Method of valuation (book, FMV, appraisal, other)	**(g)** Description of non-cash assistance	**(h)** Purpose of grant or assistance
Stanford Univ Stanford Univ Palo Alto, CA 94305	94-1156365	501 (c) 3	320,000	0			Hanna Gray Scholars
UC - Berkeley UC - Berkeley Berkeley, CA 94720	94-6002123	501 (c) 3	320,000	0			Hanna Gray Scholars

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Memorial Sloan Kettering Memorial Sloan Kettering New York, NY 10021	13-1624182	501 (c) 3	320,000	0			Hanna Gray Scholars
Yale Univ Yale Univ New Haven, CT 06520	06-0646973	501 (c) 3	320,000	0			Hanna Gray Scholars

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Univ of Texas-Southwestern UT-Southwestern Dallas, TX 75390	17-5600286	501 (c) 3	320,000	0			Hanna Gray Scholars
Brown Univ Brown Univ Providence, RI 02912	05-0258809	501 (c) 3	320,000	0			Hanna Gray Scholars

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CA Inst of Technology CA Inst of Technology Pasadena, CA 91125	95-1643307	501 (c) 3	640,000	0			Hanna Gray Scholars
Salk Institute Salk Institute La Jolla, CA 92037	95-2160097	501 (c) 3	320,000	0			Hanna Gray Scholars

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Brigham Young Univ Brigham Young Univ Provo, UT 84602	87-0217280	501 (c) 3	28,993	0			Science Education
Amer Soc - Cell Biology 8120 Woodmont Avenue Bethesda, MD 20814	39-6054285	501 (c) 3	450,000	0			Science Education

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National Academy of Sciences 2101 Constitution Avenue NW Washington, DC 20001	53-0196932	501 (c) 3	300,000	0			Science Education
UC - San Diego UC - San Diego La Jolla, CA 92093	95-6006144	501 (c) 3	3,068,831	0			Medical Research

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Fred Hutchinson Cancer Ctr Fred Hutchinson Cancer Ctr Seattle, WA 98109	23-7156071	501 (c) 3	3,592,163	0			Medical Research
Duke Univ Duke Univ Durham, NC 27706	56-0532129	501 (c) 3	287,860	0			Medical Research

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Rutgers Univ Rutgers Univ Piscataway, NJ 08854	22-6001086	501 (c) 3	1,328,545	0			Medical Research
Texas A&M Univ Texas AM Univ College Station, TX 77843	74-6000531	501 (c) 3	500,000	0			Medical Research

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National Jewish Center National Jewish Center Denver, CO 80206	74-2044647	501 (c) 3	444,863	0			Medical Research
UC- Los Angeles UC- Los Angeles Los Angeles, CA 90095	95-6006143	501 (c) 3	500,000	0			Medical Research

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Columbia University Columbia University New York, NY 10027	13-5598093	501 (c) 3	500,000	0			Medical Research
Stanford Univ Stanford Univ Palo Alto, CA 94305	94-1156365	501 (c) 3	500,000	0			Medical Research

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Univ of Washington Univ of Washington Seattle, WA 98195	91-6001537	501 (c) 3	1,414,934	0			Medical Research
Washington Univ Washington Univ St Louis, MO 63130	54-6001805	501 (c) 3	279,685	0			Medical Research

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Univ of Colorado Univ of Colorado Boulder, CO 80309	84-6000555	501 (c) 3	434,247	0			Medical Research
CA Inst of Technology CA Inst of Technology Pasadena, CA 91125	95-1643307	501 (c) 3	1,650,393	0			Medical Research

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Salk Institute Salk Institute La Jolla, CA 92037	95-2160097	501 (c) 3	1,097,337	0			Medical Research
Memorial Sloan Kettering Memorial Sloan Kettering New York, NY 10021	13-1624182	501 (c) 3	500,000	0			Medical Research

Form 990,Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

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Tufts Univ Tufts Univ Boston, MA 02111	04-2103648	501 (c) 3	340,892	0			Medical Research
Yale Univ Yale Univ New Haven, CT 06520	06-0646973	501 (c) 3	828,685	0			Medical Research

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Boston University Boston University Boston, MA 02215	04-2103547	501(c)3	5,000	0			Professors
Brandeis University Brandeis University Waltham, MA 02454	04-2103552	501(c)3	74,500	0			Professors

Schedule J
(Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees
▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.
▶ Attach to Form 990.
▶ Information about Schedule J (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I Questions Regarding Compensation

			Yes	No
1a	Check the appropiate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items ☐ First-class or charter travel ☐ Housing allowance or residence for personal use ☐ Travel for companions ☐ Payments for business use of personal residence ☐ Tax idemnification and gross-up payments ☐ Health or social club dues or initiation fees ☐ Discretionary spending account ☐ Personal services (e g , maid, chauffeur, chef)			
b	If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain	**1b**	Yes	
2	Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked in line 1a?	**2**	Yes	
3	Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director Check all that apply Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III ☐ Compensation committee ☐ Written employment contract ☐ Independent compensation consultant ☐ Compensation survey or study ☐ Form 990 of other organizations ☐ Approval by the board or compensation committee			
4	During the year, did any person listed on Form 990, Part VII, Section A, line 1a with respect to the filing organization or a related organization			
a	Receive a severance payment or change-of-control payment?	**4a**		No
b	Participate in, or receive payment from, a supplemental nonqualified retirement plan?	**4b**		No
c	Participate in, or receive payment from, an equity-based compensation arrangement?	**4c**		No
	If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III			
	Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.			
5	For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of			
a	The organization?	**5a**		No
b	Any related organization?	**5b**		No
	If "Yes," on line 5a or 5b, describe in Part III			
6	For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of			
a	The organization?	**6a**		No
b	Any related organization?	**6b**		No
	If "Yes," on line 6a or 6b, describe in Part III			
7	For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III	**7**	Yes	
8	Were any amounts reported on Form 990, Part VII, paid or accured pursuant to a contract that was subject to the initial contract exception described in Regulations section 53 4958-4(a)(3)? If "Yes," describe in Part III	**8**	Yes	
9	If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53 4958-6(c)?	**9**	Yes	

Part II **Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees.** Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii) Do not list any individuals that are not listed on Form 990, Part VII

Note. The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual

(A) Name and Title	**(B)** Breakdown of W-2 and/or 1099-MISC compensation			**(C)** Retirement and other deferred compensation	**(D)** Nontaxable benefits	**(E)** Total of columns (B)(i)-(D)	**(F)** Compensation in column(B) reported as deferred on prior Form 990
	(i) Base compensation	**(ii)** Bonus & incentive compensation	**(iii)** Other reportable compensation				
See Additional Data Table							

Part III Supplemental Information

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II Also complete this part for any additional information

Return Reference	Explanation
See Additional Data	

Additional Data

Software ID: 16000421
Software Version: 2016v3.0
EIN: 59-0735717
Name: Howard Hughes Medical Institute

Part III, Supplemental Information

Return Reference	Explanation
Schedule J, Part I, Line 1a First-class or charter travel	Under HHMI policies, HHMI reimburses its Trustees, President, Vice Presidents, and certain advisory group members for the reasonable cost of airfare at one class above coach for domestic or international flights of three hours or more If a particular aircraft does not have a business class section, one class above coach may be first class As an alternative, HHMI may reimburse for the cost of coach airfare plus the cost of an upgrade to travel at one level above coach for a flight of three hours or more Such travel reimbursements are excluded from taxable compensation in accordance with HHMI's accountable plan During fiscal year 2017, one key employee, two officers and four trustees flew first class

Part III, Supplemental Information

Return Reference	Explanation
Schedule J, Part I, Line 1a Travel for companions	Travel was provided for the former President's wife when he relocated to another HHMI site This amount was included in the compensatior of the former officer

Part III, Supplemental Information

Return Reference	Explanation
Schedule J, Part I, Line 1a Tax indemnification and gross-up payments	Under HHMI's moving expense reimbursement policy, if an employee is relocating at HHMI's request, HHMI will ordinarily provide a tax gross-up for the reimbursable moving expenses that must be treated as taxable to the employee HHMI continued to follow this standard practice during the 2017 fiscal year Internationally-assigned employees may receive tax gross-ups in respect of certain tax compliance and personal expenses incurred because of, and during, their overseas assignment During fiscal year 2017, one of the officers received a tax gross-up

Part III, Supplemental Information

Return Reference	Explanation
Schedule J, Part I, Line 1a Housing allowance or residence for personal use	In fiscal year 2017, HHMI's President resided in an HHMI-owned house on the headquarters campus, for which she paid HHMI at a fair market rental rate Because HHMI's President was also required to spend time at HHMI's Janelia campus, where she ran a research laboratory as well as attended meetings and participated in conferences, HHMI made an apartment available to her at that location HHMI's Vice President and Executive Director, Janelia Research Campus, is required as a condition of employment to reside on the Janelia campus in housing built for that purpose HHMI's Vice President and Chief Scientific Officer currently resides in an HHMI-owned apartment on the headquarters campus, for which he pays HHMI at a fair market rental rate The Institute provides a housing assistance program for one individual who relocated to take a position with HHMI, which may be used to cover such individuals' mortgage or rent payments In each case, the subsidy is treated as additional taxable compensation

Part III, Supplemental Information

Return Reference	Explanation
Schedule J, Part I, Line 7 Non-fixed payments	HHMI has an incentive compensation plan for its senior investment staff under which a portion of their compensation is determined based on performance of HHMI's portfolio against market benchmarks HHMI also makes one-time payments to some of its other employees, including but not limited to officers, in recognition of exceptional performance

Part III, Supplemental Information

Return Reference	Explanation
Schedule J, Part I, Line 8 Payments on contract that is subject to the initial contract exception	When recruiting individuals for high-level positions, HHMI typically enters into initial contracts HHMI has entered into initial contracts with a number of Vice Presidents HHMI's standard practice is to have independent compensation consultants regularly review and confirm the reasonableness of compensation of HHMI's officers and key employees, regardless of whether the initial contract exception applies

Form 990, Schedule J, Part II - Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation (i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation	(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
1 ERIN K O'SHEA PHD PRESIDENT	(i)	767,036	0	64,288	26,500	19,216	877,040	0
	(ii)	0	0	0	0	- 0	- 0	0
1 DENNIS MCKEARIN PHD VP OF OPERATIONS	(i)	359,882	0	258,370	26,500	72,259	717,011	0
	(ii)	0	0	0	0	- 0	- 0	0
2 SEAN B CARROLL PHD VP FOR SCIENCE EDUCATION	(i)	681,039	0	21,023	26,500	26,049	754,611	0
	(ii)	0	0	0	0	- 0	- 0	0
3 HEIDI E HENNING ESQ VP,GENERAL COUNSEL/SEC	(i)	568,416	0	20,529	26,500	30,026	645,471	0
	(ii)	0	0	0	0	- 0	- 0	0
4 DAVID CLAPHAM PHD VP & CHIEF SCI OFF	(i)	434,495	0	72,390	26,500	27,964	561,349	0
	(ii)	0	0	0	0	- 0	- 0	0
5 GERALD M RUBIN PHD VP&EXEC DIR,JANELIA RES CAMPUS	(i)	744,547	0	28,558	26,500	88,126	887,731	0
	(ii)	0	0	0	0	- 0	- 0	0
6 LANDIS ZIMMERMAN VP & CHIEF INVESTMENT OFFICER	(i)	951,269	1,969,944	22,221	26,500	29,807	2,999,741	0
	(ii)	0	0	0	0	- 0	- 0	0
7 NITIN V KOTAK CFO & TREASURER thru 6/17	(i)	392,110	0	19,734	26,500	26,209	464,553	0
	(ii)	0	0	0	0	- 0	- 0	0
8 LAUREN T SPILIOTES ESQ DEP GENCOUNSEL/ASST SEC	(i)	383,682	0	19,702	26,500	28,996	458,880	0
	(ii)	0	0	0	0	- 0	- 0	0
9 SUSAN S PLOTNICK ASSISTANT TREASURER & DIRECTOR-FINANCE	(i)	239,602	2,000	942	23,036	33,175	298,755	0
	(ii)	0	0	0	0	- 0	- 0	0
10 MONIQUE L MARCUS CONTROLLER	(i)	192,301	4,000	1,118	18,973	28,890	245,282	0
	(ii)	0	0	0	0	- 0	- 0	0
11 RICHARD A PENDER MAN DIR - US EQUITIES	(i)	488,965	515,867	20,152	26,500	27,143	1,078,627	0
	(ii)	0	0	0	0	- 0	- 0	0
12 GREGORY DENINNO MAN DIR - PRIVATE EQUITIES	(i)	285,204	163,622	3,020	26,500	33,443	511,789	0
	(ii)	0	0	0	0	- 0	- 0	0
13 ROBERT J KOLYER JR MAN DIR - DIVERSIFIED ASSETS	(i)	482,645	875,903	21,217	26,500	26,881	1,433,146	0
	(ii)	0	0	0	0	- 0	- 0	0
14 STEPHEN M KITSOULIS MAN DIR - FIXED INCOME	(i)	404,600	378,067	1,688	26,500	20,313	831,168	0
	(ii)	0	0	0	0	- 0	- 0	0
15 MARK A BARNARD MAN DIR - PRIVATE EQUITIES thru 6/16	(i)	268,723	409,491	11,136	16,893	15,128	721,371	0
	(ii)	0	0	0	0	- 0	- 0	0
16 DONALD KOCH MAN DIR - PORTFOLIO STRATEGY	(i)	357,254	676,456	18,334	26,500	27,865	1,106,409	0
	(ii)	0	0	0	0	- 0	- 0	0
17 ANIL MADHOK MAN DIR - INVESTMENTS & COO	(i)	351,551	587,988	18,825	26,500	15,239	1,000,103	0
	(ii)	0	0	0	0	- 0	- 0	0
18 THOMAS R CECH PHD INVESTIGATOR	(i)	623,602	0	31,531	26,500	21,433	703,066	0
	(ii)	0	0	0	0	- 0	- 0	0
19 ERIC R KANDEL MD SENIOR INVESTIGATOR	(i)	586,736	0	28,832	26,500	33,465	675,533	0
	(ii)	0	0	0	0	- 0	- 0	0

Form 990, Schedule J, Part II - Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation (i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation	(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
21 ROBERT TJIAN PHD PRESIDENT thru 8/16	(i)	1,079,206	0	215,642	26,500	35,063	1,356,411	0
	(ii)	0	0	0	0	- 0	- 0	0
1 CHERYL A MOORE EXECUTIVE VP & COO thru 1/16	(i)	28,771	0	100,252	2,794	865	132,682	0
	(ii)	0	0	0	0	- 0	- 0	0
2 JOHN PALMISANO VP FOR INFORMATION TECHNOLOGY thru 8/16	(i)	267,207	0	19,217	26,500	8,835	321,759	0
	(ii)	0	0	0	0	- 0	- 0	0
3 KATHY WYSZYNSKI VP, HUMAN RESOURCES thru 8/16	(i)	263,028	0	19,147	26,500	14,423	323,098	0
	(ii)	0	0	0	0	- 0	- 0	0

Schedule K (Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Information on Tax Exempt Bonds

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 24a. Provide descriptions, explanations, and any additional information in Part VI.
▶ Attach to Form 990.
▶Information about Schedule K (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I Bond Issues

	(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue price	(f) Description of purpose	(g) Defeased		(h) On behalf of issuer		(i) Pool financing	
							Yes	No	Yes	No	Yes	No
A	LOUDOUN COUNTY IDA	52-1310230	545910AL5	02-27-2003	500,000,000	FINANCE CONSTRUCTION OF JANELIA RESEARCH CAMPUS		X		X		X
B	LOUDOUN COUNTY IDA	52-1310230	545910AP6	10-02-2009	23,000,000	FINANCE CONSTRUCTION OF JANELIA APT		X		X		X
C	LOUDOUN COUNTY IDA	52-1310230	545910AQ4	05-15-2013	33,130,000	FINANCE CONSTRUCTION OF JANELIA APT B		X		X		X
D	MEDCO	52-1376562	574205FY1	02-15-2008	83,500,000	FINANCE CONSTRUCTION OF HQ EXPANSION		X		X		X

Part II Proceeds

		A	B	C	D
1	Amount of bonds retired	0	0	0	0
2	Amount of bonds legally defeased	0	0	0	0
3	Total proceeds of issue	534,028,000	23,022,042	33,145,417	84,953,297
4	Gross proceeds in reserve funds	0	0	0	0
5	Capitalized interest from proceeds	54,203,000	904,914	1,173,864	5,954,687
6	Proceeds in refunding escrows	0	0	0	0
7	Issuance costs from proceeds	200,000	0	397,311	631,673
8	Credit enhancement from proceeds	0	0	0	0
9	Working capital expenditures from proceeds	0	43,305	0	0
10	Capital expenditures from proceeds	479,625,000	22,073,823	31,574,242	78,366,937
11	Other spent proceeds	0	0	0	0
12	Other unspent proceeds	0	0	0	0
13	Year of substantial completion	2006	2011	2015	2010

		Yes	No	Yes	No	Yes	No	Yes	No
14	Were the bonds issued as part of a current refunding issue?		X		X		X		X
15	Were the bonds issued as part of an advance refunding issue?		X		X		X		X
16	Has the final allocation of proceeds been made?	X		X		X		X	
17	Does the organization maintain adequate books and records to support the final allocation of proceeds?	X		X		X		X	

Part III Private Business Use

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
1	Was the organization a partner in a partnership, or a member of an LLC, which owned property financed by tax-exempt bonds?		X		X		X		X
2	Are there any lease arrangements that may result in private business use of bond-financed property?		X		X		X		X

Part III **Private Business Use** (Continued)

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
3a	Are there any management or service contracts that may result in private business use of bond-financed property?	X		X		X		X	
b	If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property?	X		X		X		X	
c	Are there any research agreements that may result in private business use of bond-financed property?	X			X		X		X
d	If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property?	X							
4	Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government ▶	0 %		0 %		0 %		0 %	
5	Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government ▶	0 %		0 %		0 %		0 %	
6	Total of lines 4 and 5	0 %		0 %		0 %		0 %	
7	Does the bond issue meet the private security or payment test?		X		X		X		X
8a	Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were issued?		X		X		X		X
b	If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of								
c	If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1 141-12 and 1 145-2?								
9	Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1 141-12 and 1 145-2?		X		X		X		X

Part IV **Arbitrage**

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
1	Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate?	X			X		X		X
2	If "No" to line 1, did the following apply?								
a	Rebate not due yet?				X	X			X
b	Exception to rebate?				X				X
c	No rebate due?			X				X	
	If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed								
3	Is the bond issue a variable rate issue?	X		X		X		X	
4a	Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?	X		X		X		X	
b	Name of provider	WELLS FARGO		JPMORGAN CHASE		WELLS FARGO BANK		JP MORGAN	
c	Term of hedge	2000 %		3000 %		3000 %		3000 %	
d	Was the hedge superintegrated?		X		X		X		X
e	Was the hedge terminated?		X		X		X		X

Part IV **Arbitrage** (Continued)

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
5a	Were gross proceeds invested in a guaranteed investment contract (GIC)?		X		X		X		X
b	Name of provider								
c	Term of GIC								
d	Was the regulatory safe harbor for establishing the fair market value of the GIC satisfied?								
6	Were any gross proceeds invested beyond an available temporary period?		X		X		X		X
7	Has the organization established written procedures to monitor the requirements of section 148? . . .	X		X		X		X	

Part V **Procedures To Undertake Corrective Action**

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program if self-remediation is not available under applicable regulations?		X		X		X		X

Part VI **Supplemental Information.** Provide additional information for responses to questions on Schedule K (see instructions).

Return Reference	Explanation
Schedule K, Part I Part I	The bond issued February 27, 2003 also includes CUSIPS 545910AM3, 545910AG6, 545910AH4, 545910AJO, and 545910AK7

Return Reference	Explanation
Schedule K, Part II, Line 3 Part II, Line 3 - Total Proceeds	The bonds issued on 2/27/2003, 10/2/2009, 2/15/2008 and 5/15/2013 included interest income that made up the difference between the amount of the bond issue and the total proceeds

Return Reference	Explanation
Schedule K, Part IV Part IV - Name of Provider	For the bond issued on 2/27/2003 $375 million notional amount of the $500 million notional amount of swaps pertaining to this bond were integrated The other counterparties pertaining to the bond issued on 2/27/2003 were Bank of America (30 years), Goldman Sachs (30 years) and JP Morgan (30 years)

Return Reference	Explanation
Schedule K, Part IV, Line 4a Part IV, Line 4a	Yes, In part for the bonds issued on 2/27/2003, 10/2/2009, 2/15/2008, 5/15/2008 and 5/15/2013

Return Reference	Explanation
Schedule K, Part IV, Line 2c COLUMN B	Issuer name LOUDOUN COUNTY IDA The calculation for computing no rebate due was performed on 10/08/2014

Return Reference	Explanation
Schedule K, Part IV, Line 2c COLUMN D	Issuer name MEDCO The calculation for computing no rebate due was performed on 02/12/2013

Schedule K (Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Information on Tax Exempt Bonds

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 24a. Provide descriptions, explanations, and any additional information in Part VI.
▶ Attach to Form 990.
▶Information about Schedule K (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I Bond Issues

	(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue price	(f) Description of purpose	(g) Defeased		(h) On behalf of issuer		(i) Pool financing	
							Yes	No	Yes	No	Yes	No
A	MEDCO	52-1376562	574205FZ8	05-15-2008	76,500,000	REFUNDING OF ISSUE TO FINANCE HQ CONSTRUCTION		X		X		X

Part II Proceeds

		A	B	C	D
1	Amount of bonds retired	0			
2	Amount of bonds legally defeased	0			
3	Total proceeds of issue	76,500,000			
4	Gross proceeds in reserve funds	0			
5	Capitalized interest from proceeds	0			
6	Proceeds in refunding escrows	0			
7	Issuance costs from proceeds	0			
8	Credit enhancement from proceeds	0			
9	Working capital expenditures from proceeds	0			
10	Capital expenditures from proceeds	0			
11	Other spent proceeds	76,500,000			
12	Other unspent proceeds	0			
13	Year of substantial completion	1993			

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
14	Were the bonds issued as part of a current refunding issue?	X							
15	Were the bonds issued as part of an advance refunding issue?		X						
16	Has the final allocation of proceeds been made?	X							
17	Does the organization maintain adequate books and records to support the final allocation of proceeds?	X							

Part III Private Business Use

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
1	Was the organization a partner in a partnership, or a member of an LLC, which owned property financed by tax-exempt bonds?								
2	Are there any lease arrangements that may result in private business use of bond-financed property?								

Part III **Private Business Use** (Continued)

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
3a	Are there any management or service contracts that may result in private business use of bond-financed property?								
b	If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property?								
c	Are there any research agreements that may result in private business use of bond-financed property?								
d	If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property?								
4	Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government ▶	0 %							
5	Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government ▶	0 %							
6	Total of lines 4 and 5	0 %							
7	Does the bond issue meet the private security or payment test?								
8a	Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were issued?								
b	If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of								
c	If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1 141-12 and 1 145-2?								
9	Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1 141-12 and 1 145-2?								

Part IV **Arbitrage**

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
1	Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate?	X							
2	If "No" to line 1, did the following apply?								
a	Rebate not due yet?								
b	Exception to rebate?								
c	No rebate due?								
	If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed								
3	Is the bond issue a variable rate issue?	X							
4a	Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?	X							
b	Name of provider	GOLDMAN SACHS							
c	Term of hedge	3000 %							
d	Was the hedge superintegrated?		X						
e	Was the hedge terminated?		X						

Part IV **Arbitrage** (Continued)

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
5a	Were gross proceeds invested in a guaranteed investment contract (GIC)?		X						
b	Name of provider								
c	Term of GIC								
d	Was the regulatory safe harbor for establishing the fair market value of the GIC satisfied?								
6	Were any gross proceeds invested beyond an available temporary period?		X						
7	Has the organization established written procedures to monitor the requirements of section 148? . . .	X							

Part V **Procedures To Undertake Corrective Action**

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program if self-remediation is not available under applicable regulations?		X						

Part VI **Supplemental Information.** Provide additional information for responses to questions on Schedule K (see instructions).

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on Form 990 or 990-EZ or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.
▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4a Program Service Description (continued)	(C) HIGHLIGHTS FROM HHMI RESEARCH LABORATORIES (FISCAL YEAR 2017) (1) Programming the Immu ne System to Attack Tumors Wendell Lim, University of California, San Francisco https //ww w hhmi org/news/programming-immune-system-attack-tumors HHMI scientists have developed a f lexible method of programming cells to find and respond to molecular signals of disease T he highly customizable system, known as synNotch, can be used to deliver therapeutic molec ules to a disease site or modulate local immune activity Ultimately, its developers say, synNotch could enable a wide range of cellular therapies for cancer, autoimmune diseases, and other ailments (2) New Tool Will Help Expand Scope of Neural Circuit Research Alla Ka rpova, Joshua Dudman, Adam Hantman, Loren Looger Janelia Research Campus https //www hhmi org/news/new-tool-will-help-expand-scope-neural-circuit-research Scientists at HHMI's Jane lia Research Campus and the University of California, Berkeley have developed a powerful n ew tool for neuroscientists-a viral vector called rAAV2-retro, which efficiently enters an d travels through the long neuronal projections that connect different regions of the brai n Genetically-encoded tools for labeling cells or monitoring or manipulating their activi ty can be packaged inside the virus and delivered to groups of neurons that signal to a sp ecific part of the brain, creating new opportunities to study large-scale neural networks (3) How the African Striped Mouse Got Its Stripes Hopi Hoekstra, Harvard University https //www hhmi org/news/how-african-striped-mouse-got-its-stripes A gene called Alx3 blocks t he differentiation of pigment-producing cells in the skin of the African striped mouse, th us generating the mouse's characteristic light-colored stripes, new HHMI research shows T he same gene also determines the stripe pattern of North American chipmunks, and the simil ar stripe patterns evolved independently in these two groups of animals How animal color patterns develop and evolve is a longstanding question in developmental biology (4) Smart Microscope Adapts to Changes in Live Specimens Philipp Keller, Janelia Research Campus ht tps //www hhmi org/news/smart-microscope-adapts-changes-live-specimens Janelia scientists have developed the first adaptive light-sheet microscope - an instrument that continuously analyzes and adapts to dynamic changes in a specimen and thereby improves spatial resolut ion This "smart" light-sheet microscope analyzes a specimen continuously and adjusts its settings to optimize image quality (5) Bacteria Spread Infection in Plants by Manipulatin g Water Level in Leaves Sheng Yang He, Michigan State University https //www hhmi org/news /bacteria-spread-infection-plants-manipulating-water-level-leaves HHMI researchers have id entified the mechanisms that pathogenic bacteria use to waterlog the space between plant c ells in the leaves, allowing the bacteria to reproduce and spread infection About 30 perc ent of crop yields are lost to

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4a Program Service Description (continued)	pathogens each year, but how plant diseases occur is still incompletely understood (6) N ew Tools Will Drive Greater Understanding of Wheat Genes Jorge Dubcovsky, University of Ca lifornia, Davis https //www hhmi org/news/new-tools-will-drive-greater-understanding-wheat -genes HHMI scientists have developed a much-needed genetic resource that will greatly acc elerate the study of gene functions in wheat The resource, a collection of wheat seeds wi th more than 10 million sequenced and carefully catalogued genetic mutations, is freely av ailable to wheat breeders and researchers, and is already aiding in the development of whe at plants with improved traits (7) Abnormal Chromosome Number Sparks Large Variation in Y east and Mice Angelika Amon, Massachusetts Institute of Technology https //www hhmi org/ne ws/abnormal-chromosome-number-sparks-large-variation-yeast-and-mice New HHMI research reve als that adding or deleting chromosomes in cells and animals prompts a wide variety of out comes The work could help scientists better understand chromosomal abnormalities in human s (8) Low Oxygen Reverses Mitochondrial Disease in Mice Vamsi Mootha, Massachusetts Gener al Hospital https //www hhmi org/news/low-oxygen-reverses-mitochondrial-disease-mice HHMI researchers have demonstrated in mice that hypoxia (low oxygen) reverses brain damage caus ed by mitochondrial dysfunction The approach might one day point to new therapies for peo ple with Leigh syndrome and other mitochondrial disorders (9) Artificial Intelligence Hel ps Build Brain Atlas of Fly Behavior Kristin Branson, Janelia Research Campus https //www hhmi org/news/artificial-intelligence-helps-build-brain-atlas-fly-behavior Scientists at H HMI's Janelia Research Campus created comprehensive brain maps linking different groups of neurons to specific behaviors, using a machine-learning program that annotated more than 225 days of videos of flies - a feat that would have taken humans some 3,800 years (10) I n-Depth Analysis of Metastatic Cancer Could Enable More Precise Treatments Arul Chinnaiyan , University of Michigan https //www hhmi org/news/depth-analysis-metastatic-cancer-could- enable-more-precise-treatments Five hundred cancer patients are getting an in-depth look a t their genomes as part of a new clinical study that is revealing some of the key molecula r drivers of metastatic cancers Some of the patients, who were diagnosed with more than 2 0 different types of cancer among them, are now working with their physicians to use their genomic information to guide treatment options The data are helping physicians match pat ients to clinical trials that address the precise DNA mutations that enable their cancers' growth (11) Genetically Engineered Ants Showcase Smell's Role in Social Behavior Danny R einberg, New York University https //www hhmi org/news/genetically-engineered-ants-showcas e-smell-s-role-social-behavior After creating mutant Indian jumping ants with no sense of smell, HHMI researchers and th

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4a Program Service Description (continued)	eir colleagues saw profound abnormalities in the ants' behavior and brains The results sh ow that the sense of smell is fundamental to maintaining harmony in ant colonies (12) Ori gins of DNA Folding Suggested in Archaea Karolin Luger, University of Colorado, Boulder ht tps //www hhmi org/news/origins-dna-folding-suggested-archaea By studying the 3-D structur e of proteins bound to DNA in microbes called archaea, researchers have turned up surprisi ng similarities to DNA packing in more complicated organisms The archaeal DNA folding hin ts at the evolutionary origins of genome folding, a process that involves bending DNA and one that is remarkably conserved across all eukaryotes (organisms that have a defined nucl eus surrounded by a membrane) (13) Expanding Access to New Tools to Study Childhood Cance rs Michael Dyer, St Jude Children's Research Hospital https //www hhmi org/news/expanding -access-new-tools-study-childhood-cancers HHMI scientists have created an extensive resour ce for studying pediatric cancers, which they are sharing widely to help accelerate resear ch The team grew cells from patient tumors in laboratory mice, and created nearly 100 mod els of 12 types of pediatric cancer The researchers implanted the tumor cells into their organ of origin in the mice and carefully characterized them to ensure clinical relevance Now, they are making samples freely available to the scientific community through the Chi ldhood Solid Tumor Network Researchers worldwide will also have access to data about the tumors' sensitivity to drugs, molecular profiles, and other features

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4b Program Service Description (continued)	(B) Graduate Science Education and Medical Research Training These programs focus on the d evelopment of innovative graduate education through grants to institutions and fellowships to students HHMI's Gilliam Fellowships for Advanced Study Program supports PhD students who plan to pursue careers in academic science and who are committed to advancing diversit y and inclusion in science In FY17, HHMI awarded 39 fellowships Each fellow will receive an annual award totaling $46,000, which includes a stipend, a training allowance, and an allowance for each fellow's institution, for up to three years The applicant pool consist s of alumni from HHMI's EXROP Program, and graduate students nominated by the program dire ctors of non-MSTP T32 training grants and the INBRE grants awarded through the National In stitute of General Medical Sciences (NIGMS) To be eligible, applicants must be enrolled i n their second or third year of a PhD program in the life sciences, and not in an MD/PhD p rogram Applicants must be from racial, ethnic and other underrepresented groups in the sc iences, including those from disadvantaged backgrounds, must aspire to careers in academic science, and must demonstrate a commitment to the advancement of diversity and inclusion in the sciences A total of 135 students applied for the fellowships this year, including 26 EXROP alumni This fiscal year, HHMI selected 79 medical and veterinary students to par ticipate in the Medical Research Fellows Program The fellowships enable students to take a year off from professional school to conduct laboratory research The hope is that these students will one day choose to work at the crossroads of basic research and clinical med icine Now, 28 years after the Medical Research Fellows Program was first launched, it has helped more than 1,700 medical, veterinary, and dental students establish a foothold in t he research world In this year's group, 18% of the fellows are from groups typically unde rrepresented in the biomedical sciences In collaboration with HHMI, five partners - the A merican Society of Human Genetics (ASHG), Burroughs Wellcome Fund (BWF), Citizens United f or Research in Epilepsy (CURE), Foundation Fighting Blindness (FFB), and Parkinson's Found ation (PF) - will fund eight of the 79 aspiring physician- and veterinarian- scientists, b ringing the program's total investment to $3 4 million This year, seven fellows from the 2016 class are supported by HHMI for an additional year (C) Educational Media HHMI's Educ ational Media Group is comprised of BioInteractive and Tangled Bank Studios BioInteractiv e, a resource for AP biology and college-level introductory biology teachers, has been in existence for more than 15 years and receives 2 5 million unique visitors per year through its website The Educational Media Group produces science education resources including i nteractive multimedia materials, scientific animations, videos, in-class activities, educa tional lectures, as well as aw

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4b Program Service Description (continued)	ard-winning, broadcast-quality short films The resources are then made available to educa tors online, through the BioInteractive org website and YouTube channel, and at workshops and conventions In February 2017, HHMI's Department of Science Education announced a year long collaboration with the Associated Press (AP) on two pilot projects designed to expand AP's science journalism In the first project, AP will create and distribute a yearlong s eries of stories, profiles, videos and graphics dedicated to exploring new frontiers of ge netic medicine The content will focus on how new research and innovation in this rapidly evolving arena are increasing understanding of the causes of disease and leading to new ki nds of treatments The second project will examine a broad range of science topics in the news by presenting scientific evidence and putting it in context The goal is to help read ers stay up-to-date on the science community's latest research so they can make informed d ecisions on subjects ranging from the environment to public health The multimedia series is set to include text, video, infographics and data visualizations In October 2016, HHMI hosted a series of lectures exploring the topic "Ecology of Rivers and Coasts-Food Webs a nd Human Impacts " Two leading ecologists, Mary Power of the University of California, Ber keley, and Brian Silliman of Duke University, described the complex interactions between s pecies and their environment in aquatic ecosystems to an audience of high school students from around the greater Washington, D C , region Using field experiments, the researchers illustrated how interactions among organisms such as fish, crab, insects, snails, and alg ae determine the vitality of rivers and coastal ecosystems and how these factors are affec ted by human activities The se lectures, which are available on the BioInteractive websit e, bring current research into the science classroom, helping to bridge the gap between te xtbook curriculum and exciting new research developments The Educational Media Group also developed and released its newest app, BiomeViewer In the spirit of the very-popular Ear thViewer app previously released by HHMI, BiomeViewer allows users to look at different bi omes around the world, compare biomes, analyze temperature ranges, and study the fauna pre sent there (D) Tangled Bank Studios Tangled Bank Studios, LLC, HHMI's documentary film pr oduction unit, is dedicated to the creation of original science documentaries for broadcas t, theatrical, and digital distribution As an extension of HHMI's longstanding science ed ucation mission, the company aims to produce programs that capture compelling stories of d iscovery across all branches of scientific inquiry, with particular focus on the life scie nces New films released this year The world premiere of The Lucky Specials took place in February 2017 in Johannesburg, South Africa The film also aired on SABC1 in in South Afr ica The feature-length film c

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4b Program Service Description (continued)	ombines the best of fiction and non-fiction storytelling to demystify tuberculosis (TB), e xplaining how it spreads and how it can be treated The film was produced by Discovery Lea rning Alliance and Quizzical Pictures in association with Tangled Bank Studios with additi onal support from the Wellcome Trust, USAID, and PEPFAR In April 2017, Amazon Adventure, a giant screen film chronicling the adventures of Henry Walter Bates premiered at Smithson ian's National Museum of Natural History IMAX theatre Bates, a contemporary of Charles Da rwin, spent 11 years virtually alone in the Amazon collecting and documenting more than 14 ,000 species He made the first scientific account of mimicry in animals and insects and p rovided an essential underpinning for the understanding of evolution and natural selection As of December 2017, the film has engagements in 35 museums and science centers in the U nited States, China, Mexico Canada, Denmark, Australia and Hong Kong The film was produce d by SK Films in association with Tangled Bank Studios It won five awards including Best Film and Best Film for Livelong Learning at the Giant Screen Cinema Association's 2017 con ference, Tangled Bank's prior release - Spillover-Zika, Ebola & Beyond - was nominated for Outstanding Graphic Design and Art Direction In August 2017, PBS premiered The Farthest - Voyager in Space, a two-hour special about NASA's historic Voyager mission to explore ou r solar system and beyond The film debuted in conjunction with the 40th anniversary of th e first Voyager launch The documentary was an official selection in the 2017 Tribeca Film Festival as part of the festival's Viewpoints program

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4a Program Service Description (continued-1)	(D) Honors and Awards Received by HHMI Scientists (Fiscal Year 2017) Kaelin Receives Laske r Basic Medical Research Award The Albert and Mary Lasker Foundation selected HHMI investi gator William G Kaelin, Jr , of the Dana-Farber Cancer Institute, together with Peter J Ratcliffe of the University of Oxford/Francis Crick Institute and Gregg L Semenza of John s Hopkins University School of Medicine, as recipients of the 2016 Albert Lasker Basic Med ical Research Award The Lasker Awards - considered among the most respected science prize s in the world - honor visionaries whose insight and perseverance have led to dramatic adv ances that will prevent disease and prolong life The trio of scientists were honored for their discovery of the pathway by which cells from humans and most animals sense and adapt to changes in oxygen availability, a process that is essential for survival Zoghbi Recei ves Canada Gairdner International Award for Research on Rett Syndrome The Gairdner Foundat ion selected HHMI Investigator Huda Zoghbi of Baylor College of Medicine as a recipient of the prestigious 2017 Canada Gairdner International Award in recognition of her contributi ons to medical science The awards, which are presented annually, recognize scientists res ponsible for some of the world's most significant medical discoveries Zoghbi, who became an HHMI investigator in 1996, was honored for the discovery of the genetic basis of Rett s yndrome and its implications for autism spectrum disorders HHMI Scientists Selected to Re ceive Breakthrough Prizes The Breakthrough Prize Foundation announced that HHMI investigat ors Stephen Elledge of Brigham and Women's Hospital, Roel Nusse of Stanford University, an d Huda Zoghbi of Baylor College of Medicine are among scientists awarded the 2016 Breakthr ough Prizes in Life Sciences The prizes honor transformative advances toward understandin g living systems and extending human life The Breakthrough Prizes recognize pioneering wo rk in physics and genetics, cosmology, and neurology and mathematics Elledge was recogniz ed for elucidating how eukaryotic cells sense and respond to damage in their DNA and for p roviding insights into the development and treatment of cancer Nusse was selected for pio neering research on the Wnt pathway, one of the crucial intercellular signaling systems in development, cancer and stem cell biology Zoghbi was honored for discoveries of the gene tic causes and biochemical mechanisms of spinocerebellar ataxia and Rett syndrome, finding s that have provided insight into the pathogenesis of neurodegenerative and neurological d iseases Each prize carries an award of $3 million Vale Awarded Shaw Prize Ronald Vale, a n HHMI investigator at the University of California, San Francisco, has won the Shaw Prize in Life Sciences and Medicine, which is awarded by the Shaw Prize Foundation in Hong Kong Vale shared the $1 2 million award with molecular biologist Ian Gibbons, a visiting scho lar at the University of Calif

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4a Program Service Description (continued-1)	ornia, Berkeley The pair were honored for their discovery of microtubule-associated motor proteins, cellular engines that drive nerve cell growth and chromosome segregation The S haw Prize consists of three annual awards in astronomy, life science and medicine, and mat hematical sciences These international awards honor individuals who have achieved disting uished breakthroughs in academic and scientific research The awards are dedicated to furt hering societal progress, enhancing quality of life, and enriching humanity's spiritual ci vilization Five HHMI Researchers Elected to National Academy of Medicine Five HHMI resear chers have been elected to the National Academy of Medicine (NAM) The three HHMI investig ators and two HHMI professors were among 70 new NAM members and nine international members elected Established originally as the Institute of Medicine in 1970 by the National Acad emy of Sciences, the National Academy of Medicine addresses critical issues in health, sci ence, medicine, and related policy and inspires positive actions across sectors The new m embers are HHMI investigators, Bonnie Bassler, Princeton University, K Christopher Garcia , Stanford University, Mark Krasnow, Stanford University, and HHMI professors, David Walt, Tufts University, and Huntington Willard, University of Chicago, President and Director, Marine Biological Laboratory HHMI Scientists Elected to National Academy of Sciences Thir teen Howard Hughes Medical Institute scientists were elected to membership in the National Academy of Sciences They are among 84 new members and 21 foreign associates from 15 coun tries elected in recognition of their distinguished and continuing achievements in origina l research The National Academy of Sciences is a private organization of scientists and e ngineers dedicated to the furtherance of science and its use for the general welfare The scientists are HHMI investigators, Stephen Bell, Massachusetts Institute of Technology, Do minique Bergmann, Stanford University, Sangeeta Bhatia, Massachusetts Institute of Technol ogy, Chris Doe, University of Oregon, David Ginty, Harvard Medical School, Leemor Joshua-T or, Cold Spring Harbor Laboratory, Richard Locksley, University of California, San Francis co, Scott Lowe, Memorial Sloan-Kettering Cancer Center, Ardem Patapoutian, The Scripps Res earch Institute, Craig Pikaard, Indiana University, Robert Siliciano, Johns Hopkins Univer sity, Rachel Wilson, Harvard Medical School, and HHMI professor, Jeffrey Moore, University of Illinois, Urbana Champaign Deisseroth Awarded Else Krner Fresenius Prize for Medical Research Karl Deisseroth, an HHMI investigator at Stanford University was awarded the Else Krner Fresenius Prize, which was dedicated this year to research into the biological basi s of psychiatric disorders The international prize honors groundbreaking scientific contr ibutions to the field and supports awardees' future work in medical research Deisseroth w as honored for his discoveries

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4a Program Service Description (continued-1)	in optogenetics and hydrogel-tissue chemistry, as well as his research into the neural circuit basis of depression

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part III, Line 4b Program Service Description (Continued-1)	(E) Hanna Gray Fellows In June 2016, HHMI announced a new program to recruit and retain early-career scientists who are from gender, racial, ethnic, and other groups underrepresented in the life sciences, including those from disadvantaged backgrounds Through an open competition, HHMI selects scientists early in their training to become Hanna H Gray Fellows Each fellow will receive funding for up to eight years, with mentoring and active involvement within the HHMI community In this two-phase program, fellows will be supported from early postdoctoral training through several years of a tenure-track faculty position In the first competition cycle, HHMI selected 15 fellows at the end of September 2017, and will invest a total of up to $25 million for their support over eight years (F) Faculty Scholars HHMI, together with the Simons Foundation, and the Bill & Melinda Gates Foundation continued to provide grant support to 84 Faculty Scholars, early-career scientists who have great potential to make unique contributions to their field The scientists represent 43 institutions across the United States Through the Faculty Scholars Program, HHMI and its partner philanthropies will spend about $83 million over five years to support the first cohort of scientists selected to receive grants The range of five-year grant award totals is $600,000-$1 8 million, including indirect costs Faculty Scholars are required to devote at least 50 percent of their total effort to the direct conduct of research (G) eLife - Open Access Journal HHMI, together with the Wellcome Trust and the Max Planck Society, continues to support a top tier scientific journal called eLife The online journal follows an open access model and is directed by practicing scientists eLife Sciences Publications, Ltd , is an independent non-profit entity governed by a separate board of directors eLife began publishing research articles in late 2012 and is publishing articles online on a regular basis

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 11b Review of form 990 by governing body	The Howard Hughes Medical Institute's Form 990 is initially prepared by its Tax Compliance Department, in coordination with other HHMI departments as needed The draft return is reviewed by senior management of HHMI and by attorneys in HHMI's Office of the General Counsel Following these reviews and the resolution of any questions that have been raised, the draft return is reviewed by HHMI's outside tax preparer Finally, a copy of the return is provided to the members of HHMI's Board of Trustees so that they have an opportunity to review and comment on the return before it is filed

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 12c Conflict of interest policy	In addition to HHMI's code of conduct, which addresses conflicts of interest and applies to all HHMI employees, officers, Trustees, and advisors, HHMI has specific conflict of interest policies for different categories of personnel Under the HHMI policies that apply to Trustees, officers, and key employees, these individuals must disclose annually interests that could give rise to conflicts of interest, and must certify annually their compliance with the conflict of interest policy that applies to them Annual disclosures and certifications are reviewed by HHMI's Office of the General Counsel, and by other HHMI managers as needed The conflict of interest policy covering HHMI's Trustees also requires each Trustee to disclose to the other Trustees any actual or apparent conflict of interest with respect to a proposed HHMI transaction If the other Trustees decide that there is only the appearance of a conflict of interest, and that it could not reasonably be considered to affect the independent, unbiased judgment of the disclosing Trustee with respect to the transaction at issue, no further action is required to address the apparent conflict In all other cases, including all actual conflicts of interest, the disclosing Trustee is not permitted to participate in the deliberation or decision regarding the transaction under consideration, and must leave the room during the deliberation and vote The conflict of interest policies covering HHMI's officers and key employees require each covered individual to obtain supervisory approval up to the level of HHMI's President before entering into an affiliation with or acquiring an interest of 1% or more in any entity that is or may become a recipient of HHMI funds HHMI's President, in consultation with HHMI's General Counsel, may permit the affiliation or interest if it would not interfere with the covered individual's performance of his or her HHMI responsibilities, would not create the appearance of a conflict of interest, and would be consistent with sound business judgment HHMI's President may set conditions on approval, for example that there be no remuneration to the covered individual Proposed affiliations and interests of 1% or more of HHMI's President are subject to the approval of the Chairman of the Trustees

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 15a Process to establish compensation of top management official	The compensation for HHMI's President, other officers, and key employees is set using the following procedures Every other year, the Audit and Compensation Committee of HHMI's Board of Trustees engages one or more independent compensation consultants to conduct a study of comparable market data The study includes data for HHMI's President, other officers, and key employees The independent compensation consultants also provide an opinion regarding the reasonableness of the compensation arrangements for the positions included in the study The study includes comparable market data for all components of compensation for each person covered by the study, including base salary, incentive compensation (if any), and benefits The Committee relies on the market data and opinion provided by the compensation consultant in making recommendations to the Board of Trustees regarding compensation for HHMI's President, other officers and key employees The decision is made by independent Trustees Any Trustee who has a conflict of interest with respect to a specific officer or key employee must recuse himself or herself from the decision on that person's compensation, and leave the meeting room during the debate and voting on it In the alternate years when a study is not done, the Audit and Compensation Committee confirms with the independent compensation consultants that the range of any proposed merit increases for HHMI employees, including senior management, is reasonable compared with generally prevailing compensation increases in the market over the past year The Committee relies on this advice in recommending compensation for HHMI's President, other officers and key employees, and the Board of Trustees relies on this advice in making compensation decisions Recusal procedures are the same as in the years when a study is done In each year, minutes of the discussions and decisions regarding compensation are prepared after each meeting and are submitted for approval at the next meeting Approved minutes are kept in HHMI's records All minutes include the date of the meeting, identify those Trustees who attended and voted on the compensation arrangements, and note any recusals of Trustees with a conflict of interest The comparability studies and opinions relied on at the meeting are referenced in the minutes, and copies of these materials are also kept in HHMI's records HHMI's Board of Trustees followed this process in August 2016 in determining compensation for the following positions for fiscal year 2017 President, Vice Presidents, and Managing Directors - Investments

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 15b Process to establish compensation of other employees	The compensation for HHMI's President, other officers, and key employees is set using the following procedures Every other year, the Audit and Compensation Committee of HHMI's Board of Trustees engages one or more independent compensation consultants to conduct a study of comparable market data The study includes data for HHMI's President, other officers, and key employees The independent compensation consultants also provide an opinion regarding the reasonableness of the compensation arrangements for the positions included in the study The study includes comparable market data for all components of compensation for each person covered by the study, including base salary, incentive compensation (if any), and benefits The Committee relies on the market data and opinion provided by the compensation consultant in making recommendations to the Board of Trustees regarding compensation for HHMI's President, other officers and key employees The decision is made by independent Trustees Any Trustee who has a conflict of interest with respect to a specific officer or key employee must recuse himself or herself from the decision on that person's compensation, and leave the meeting room during the debate and voting on it In the alternate years when a study is not done, the Audit and Compensation Committee confirms with the independent compensation consultants that the range of any proposed merit increases for HHMI employees, including senior management, is reasonable compared with generally prevailing compensation increases in the market over the past year The Committee relies on this advice in recommending compensation for HHMI's President, other officers and key employees, and the Board of Trustees relies on this advice in making compensation decisions Recusal procedures are the same as in the years when a study is done In each year, minutes of the discussions and decisions regarding compensation are prepared after each meeting and are submitted for approval at the next meeting Approved minutes are kept in HHMI's records All minutes include the date of the meeting, identify those Trustees who attended and voted on the compensation arrangements, and note any recusals of Trustees with a conflict of interest The comparability studies and opinions relied on at the meeting are referenced in the minutes, and copies of these materials are also kept in HHMI's records HHMI's Board of Trustees followed this process in August 2016 in determining compensation for the following positions for fiscal year 2017 President, Vice Presidents, and Managing Directors - Investments

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 19 Required documents available to the public	HHMI's practice has been to make a copy of its charter and by-laws available on request HHMI's code of conduct, which addresses conflicts of interest, is available to the public on the HHMI website A downloadable copy of HHMI's most recent audited financial statements is also available to the public on the website In addition, HHMI publishes "Year in Review" that provides a summary of each year's activity, expenditures, and financial performance

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VIII, Line 11d Other Miscellaneous Revenue	Miscellaneous - Total Revenue 129788, Related or Exempt Function Revenue , Unrelated Business Revenue , Revenue Excluded from Tax Under Sections 512, 513, or 514 129788, Innovation Dissemination - Total Revenue 58024, Related or Exempt Function Revenue , Unrelated Business Revenue , Revenue Excluded from Tax Under Sections 512, 513, or 514 58024, External Shared Resources - Total Revenue 5000, Related or Exempt Function Revenue , Unrelated Business Revenue , Revenue Excluded from Tax Under Sections 512, 513, or 514 5000,

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part XI, Line 9 Other changes in net assets or fund balances	Postretirement Changes Other Than Net Periodic Costs - 87375000, Grants refunds, write-offs etc - 5153649,

990 Schedule O, Supplemental Information

Return Reference	Explanation
Schedule A, Part I, Line 4 List of Hospital Affiliations	List of hospital affiliations for e-filing Hospital, City, State, Zip Code- B&W Hospital, Boston, MA, 02115/ Children's Hosp, Boston, MA, 02115/ Children's Hosp, Cincinnati, OH, 45229/ Dana-Farber, Boston, MA, 02115/ Fred Hutch, Seattle, WA, 98109/ JHopkins Hosp, Baltimore, MD, 21205/ Mass Gen Hosp, Boston, MA, 02129/ MSKCC, New York, NY, 10021/ Nat'l Jewish, Denver, CO, 80206/ St Jude, Memphis, TN, 38105/ Duke-Duke Hosp, Durham, NC, 27706/ NYU-NYU Hosps, New York, NY, 10016/ OHSU-OHSU Hosp, Portland, OR, 97239/ Rockefeller-Hosp, New York, NY,10021/ Penn State Univ-Hosp, University Park, PA 16802/ Stanford-Hosp, Palo Alto, CA, 94305/ UCLA-Med Ctr, Los Angeles, CA, 90095/ UCSD-Med Ctr, San Diego, CA, 92093/ UCSF-UCSF Hosps, San Francisco, CA, 94143/ Uiowa-Uiowa Hosps, Iowa City, IA, 52242/ UMass-Med Ctr, Worcester, MA, 01605/ UMich-UMich Hosp, Ann Arbor, MI, 48109/ UPenn-UPenn Hosp, Philadelphia, PA, 19104/ UT-Austin-UT Hosp, Austin, TX, 78712/ UTSW-UTSW Hosps, Dallas, TX, 75390/ UUtah-UUtah Hosps, Salt Lake City, UT, 84112/ UWash-Med Ctr, Seattle, WA, 98195/ ADARC-aff hosp, New York, NY, 10016/ AECOM-affil hosps, New York, NY, 10461/ Baylor-aff hosps, Houston, TX, 77O3O/ Brandeis-aff hsps, Waltham, MA, 02254/ CalTech-aff hosps, Pasadena, CA, 91125/ CSHL-affil hosps, Cold Spring Harbor, NY, 11724/ Columbia-aff hsps, New York, NY, 10027/ Cornell-aff hosps, New York, NY, 14853/ Harvard-aff hosps, Cambridge, MA, 02138/ Indiana-affil hosp, Bloomington, IN, 47405/ JHU-affil hosps, Baltimore, MD, 21218/ MichSU-affil hosps, Lansing, MI, 48824/ MIT-affil hosps, Boston, MA, 02139/ NWU-affil hosps, Evanston, IL, 60208/ Princeton-aff hosps, Princeton, NJ, 08544/ Rutgers-affil hosp, Piscataway, NJ, 08854/ Salk-affil hosps ,La Jolla, CA, 92093/ Scripps-affil hosps, La Jolla, CA 92037/ Stowers-aff hosps, Kansas City, MO, 64110/ Tufts-aff hosps, Boston, MA, 02111/ UCB-affil hosps, Berkeley, CA, 94720/ UCDavis-affil hsps, Davis, CA, 95616/ UCR-affil hosps, Riversde, CA, 92521/ UCSC-aff hosps, Santa Cruz, CA, 95064/ UChi-affil hosp, Chicago, IL, 60637/ UColo-aff hosp, Boulder, CO, 80309/ Uillinois-aff hsp, Urbana, IL, 61801/ UMD-affil hosp, Baltimore, MD, 21201/ UMN-affil hosp, Minneapolis, MN 55414/ UNC-affil hosps, Chapel Hill, NC, 27599/ UOregon-aff hsp, Eugene, OR,97403/ UWisc-affil hosps, Madison, WI, 53706/ WashU-aff hosp, St Louis, MO, 63130/ YaleU-affil hosp, New Haven, CT, 06520/

990 Schedule O, Supplemental Information

Return Reference	Explanation
Schedule A, Part I, Line 4 MRO Qualification	The Institute is a medical research organization for its taxable year ended August 31, 2017, as its expenditures of $ 782,251,870 on a cash basis for the year ended August 31 , 2016 exceeded the MRO requirement of $700,270,397 (3 5% of the HHMI endowment)

SCHEDULE R (Form 990)

Department of the Treasury
Internal Revenue Service

Related Organizations and Unrelated Partnerships

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.

▶ Attach to Form 990. ▶ Information about Schedule R (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization
Howard Hughes Medical Institute

Employer identification number
59-0735717

Part I **Identification of Disregarded Entities** Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

See Additional Data Table

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity

Part II **Identification of Related Tax-Exempt Organizations** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity? Yes	No

Part III **Identification of Related Organizations Taxable as a Partnership** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a partnership during the tax year.

See Additional Data Table

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income(related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproprtionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	

Part IV **Identification of Related Organizations Taxable as a Corporation or Trust** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

See Additional Data Table

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512(b)(13) controlled entity?	
								Yes	No

Part V **Transactions With Related Organizations** Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule

		Yes	No
1 During the tax year, did the orgranization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?			
a Receipt of **(i)** interest, **(ii)**annuities, **(iii)** royalties, or**(iv)** rent from a controlled entity	1a		No
b Gift, grant, or capital contribution to related organization(s)	1b	Yes	
c Gift, grant, or capital contribution from related organization(s)	1c		No
d Loans or loan guarantees to or for related organization(s)	1d		No
e Loans or loan guarantees by related organization(s)	1e		No
f Dividends from related organization(s)	1f		
g Sale of assets to related organization(s)	1g		No
h Purchase of assets from related organization(s)	1h		No
i Exchange of assets with related organization(s)	1i		No
j Lease of facilities, equipment, or other assets to related organization(s)	1j		No
k Lease of facilities, equipment, or other assets from related organization(s)	1k		No
l Performance of services or membership or fundraising solicitations for related organization(s)	1l		No
m Performance of services or membership or fundraising solicitations by related organization(s)	1m		No
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	1n		No
o Sharing of paid employees with related organization(s)	1o		No
p Reimbursement paid to related organization(s) for expenses	1p		No
q Reimbursement paid by related organization(s) for expenses	1q		No
r Other transfer of cash or property to related organization(s)	1r		No
s Other transfer of cash or property from related organization(s)	1s	Yes	

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds

See Additional Data Table

(a) Name of related organization	**(b)** Transaction type (a-s)	**(c)** Amount involved	**(d)** Method of determining amount involved

Part VI **Unrelated Organizations Taxable as a Partnership** Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization See instructions regarding exclusion for certain investment partnerships

(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(e) Are all partners section 501(c)(3) organizations?		(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
				Yes	No			Yes	No		Yes	No	

Part VII **Supplemental Information**

Provide additional information for responses to questions on Schedule R (see instructions)

Additional Data

Software ID: 16000421
Software Version: 2016v3.0
EIN: 59-0735717
Name: Howard Hughes Medical Institute

Form 990, Schedule R, Part I - Identification of Disregarded Entities

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary Activity	(c) Legal Domicile (State or Foreign Country)	(d) Total income	(e) End-of-year assets	(f) Direct Controlling Entity
(1) HHMI II LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	38,953,403	539,892,068	HHMI
(1) HHMI IV LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(2) HHMI V LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(3) HHMI XII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	19,907,209	93,410,990	HHMI
(4) HHMI XVI LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	3,425	0	HHMI
(5) SPRUGOS INVESTMENTS II LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(6) SPRUGOS INVESTMENTS V LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	7,887,053	0	HHMI
(7) SPRUGOS INVESTMENTS VII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	59,660,624	289,117,682	HHMI
(8) SPRUGOS INVESTMENTS VIII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	50,126,781	262,639,526	HHMI
(9) SPRUGOS INVESTMENTS X LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(10) SPRUGOS INVESTMENTS XI LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	24,360,155	94,502,975	HHMI
(11) SPRUGOS INVESTMENTS XII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	26,071	135,004	HHMI
(12) SPRUGOS INVESTMENTS XIII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(13) PRIVATE EQUITY HOLDING LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(14) PRIVATE EQUITY HOLDING-AHEAD LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(15) PRIVATE EQUITY HOLDING-ALEXA LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(16) PRIVATE EQUITY HOLDING-CS CAPITAL LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(17) PRIVATE EQUITY HOLDING-EUROCASTLE LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	1,928,694	4,325,675	HHMI
(18) PRIVATE EQUITY HOLDING-FAVRILLE LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(19) PRIVATE EQUITY HOLDING-KAP LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI

Form 990, Schedule R, Part I - Identification of Disregarded Entities

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary Activity	(c) Legal Domicile (State or Foreign Country)	(d) Total income	(e) End-of-year assets	(f) Direct Controlling Entity
(21) PRIVATE EQUITY HOLDING-ROYCE LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(1) PRIVATE EQUITY HOLDING-STORERETRO LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(2) PRIVATE EQUITY HOLDING-XENOPORT LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(3) HHMI FI I LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(4) JANELIA FARM HOLDING LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	VA	0	0	HHMI
(5) SELDEN ISLAND HOLDING LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	VA	0	0	HHMI
(6) HHMI I LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(7) HHMI III LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(8) HHMI VI LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(9) HHMI VII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(10) HHMI VIII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(11) HHMI IX LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(12) HHMI X LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(13) HHMI XI LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(14) HHMI XIII LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(15) HHMI XIV LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(16) HHMI XV LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(17) SPRUGOS INVESTMENTS LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(18) SPRUGOS INVESTMENTS III LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	66,889,007	394,494,124	HHMI
(19) SPRUGOS INVESTMENTS IV LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI

Form 990, Schedule R, Part I - Identification of Disregarded Entities

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary Activity	(c) Legal Domicile (State or Foreign Country)	(d) Total income	(e) End-of-year assets	(f) Direct Controlling Entity
(41) SPRUGOS INVESTMENTS VI LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(1) SPRUGOS INVESTMENTS IX LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	29,479,552	414,893,098	HHMI
(2) SPRUGOS-FRENCH LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(3) PRIVATE EQUITY HOLDING II LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(4) PRIVATE EQUITY HOLDING III LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(5) RELATIVE VALUE STRATEGIES LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(6) PSG LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	INVESTMENT	DE	0	0	HHMI
(7) HHMI-SA LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	RESEARCH	DE	0	0	HHMI
(8) TANGLED BANK STUDIOS LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815	FILM PROD	DE	0	0	HHMI
(9) MISSING LINK PRODUCTIONS LLC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815 47-1329820	FILM PROD	DE	0	126	HHMI
(10) LSV ADVANTAGE INTL III (CAYMAN) LTD 89 NEXUS WAY 2/F CANAMA BAY GRAND CAYMAN KY11205 CJ 98-0689621	INVESTMENT	CJ	595,383	19,488,965	HHMI
(11) LSV ADVANTAGE INTL III-B (CAYMAN) LTD 89 NEXUS WAY 2/F CAMANA BAY GRAND CAYMAN KY11205 CJ 98-1087158	INVESTMENT	CJ	20,269,204	96,323,748	HHMI
(12) Arosa Capital Management Midstream Fund LLC c/o Arosa Capital Management LP 120 West 45th St Ste 3700 New York, NY 10036	Investment	DE	31,196,866	209,180,714	HHMI

Form 990, Schedule R, Part III - Identification of Related Organizations Taxable as a Partnership

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal Domicile (State or Foreign Country)	(d) Direct Controlling Entity	(e) Predominant income(related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproprtionate allocations?		(i) Code V-UBI amount in Box 20 of Schedule K-1 (Form 1065)	(j) General or Managing Partner?		(k) Percentage ownership
							Yes	No		Yes	No	
(1) CERBERUS HH PARTNERS LP 190 ELGIN AVENUE GEORGETOWN KY19005 CJ 98-1102879	INVESTMENT	CJ	HHMI	Excluded	12,838,539	123,046,097		No	0		No	94 %
(1) GEM NPL CO-INV FUND LP 900 NORTH MICHIGAN AVENUE SUITE 14 SUITE 1450 CHICAGO, IL 60611 46-4232021	INVESTMENT	IL	HHMI	Excluded	994,125	2,263,375	Yes		446,435		No	67 %
(2) HHLF LP 555 5TH AVENUE FL18 NEW YORK, NY 10017 46-2823996	INVESTMENT	NY	HHMI	Excluded	4,755,424	13,130,092		No	0		No	84 %
(3) LUMINUS CREDIT OPPORTUNITIES PIE I LP 1700 BROADWAY 38TH FLOOR NEW YORK, NY 10019 26-1963557	INVESTMENT	NY	HHMI	Excluded	737,722	8,902,285		No	0		No	99 %
(4) SOLUS OPPORTUNITIES FUND 2 LP 410 PARK AVENUE 11TH FLOOR NEW YORK, NY 10022 46-3541945	INVESTMENT	NY	HHMI	Excluded	-1,123,881	72,175,446		No	0		No	95 %
(5) CVI HH INVESTMENTS LP 9320 EXCELSIOR BLVD MS144-7-2 HOPKINS, MN 55343 90-1010136	INVESTMENT	MN	HHMI	Excluded	11,904,786	230,416,680		No	0		No	100 %
(6) ECHO STREET GOODCO SELECT II LP 10 EAST 53RD STREET 32ND FLOOR NEW YORK, NY 10022 47-4827277	INVESTMENT	NY	HHMI	Excluded	11,946,949	246,644,239		No	0		No	99 %
(7) GEM BVP CO-INV-A LP 900 NORTH MICHIGAN AVENUE SUITE 1450 CHICAGO, IL 60611 47-2251559	INVESTMENT	IL	HHMI	Excluded	0	9,019,194		No	0		No	100 %
(8) HH HOLDCO CO-INVESTMENT FUND LP 32 BROADWAY SUITE 1201 NEW YORK, NY 10004 30-0864915	INVESTMENT	NY	HHMI	Excluded	3,420,291	80,904,923		No	0		No	100 %
(9) HH SG SECONDARY FUND LP 825 THIRD AVENUE 10TH FLOOR NEW YORK, NY 10022 47-3358493	INVESTMENT	NY	HHMI	Excluded	-1,870,626	11,864,823		No	51,960		No	93 %
(10) TOURMALET MATAWIN OFFSHORE FUND VI-A LP 89 NEXUS WAY CAMANA BAY GRAND CAYMAN KY19007 CJ	INVESTMENT	CJ	HHMI	Excluded	4,542,838	67,643,062		No	0		No	100 %
(11) HH ELLINGTON MASTER FUND LTD 53 FOREST AVENUE OLD GREENWICH, CT 06870 98-1020904	INVESTMENT	CT	HHMI	Excluded	2,696,817	0		No	1,005,760		No	82 %
(12) HH SG SECONDARY FUND II LP 825 THIRD AVENUE 10TH FLOOR NEW YORK, NY 10022 81-1581915	INVESTMENT	NY	HHMI	Excluded	406,009	24,263,653		No	0		No	96 %
(13) Arosa Midstream Fund LP C/O Arosa Capital Management LP 120 West 45th St Ste 3700 New York, NY 10036 81-1723636	Investment	DE	Arosa Capital Management Midstream Fund LLC	Excluded	31,196,866	209,180,714		No	0		No	99 01 %
(14) ColHM Strategic Partners LP 515 South Flower St 44th Fl Los Angeles, CA 90071 45-3436140	Investment	CA	HHMI	Excluded	5,562,880	75,215,604		No	0		No	99 86 %

Form 990, Schedule R, Part IV - Identification of Related Organizations Taxable as a Corporation or Trust

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512 (b)(13) controlled entity? Yes	No
(1) HHMI REAL ESTATE INC 4000 JONES BRIDGE ROAD CHEVY CHASE, MD 20815 20-3967202	INVESTMENT	DE	HHMI	C Corporation	7,303	950,676	100 %	Yes	
(1) PLEASANT VALLEY INVESTMENTS LP 99 QUEENS ROAD CENTRAL UNIT 2112 21/F THE CENTER HONG KONG HK 98-0586696	INVESTMENT	CJ	HHMI	C Corporation	20,269,190	8,766,998	51 %	Yes	
(2) HH ELLINGTON FUND LTD WALKER HOUSE 87 MARY STREET GEORGETOWN, GR KY19005 CJ	INVESTMENT	CJ	HHMI	C Corporation	2,696,817	0	100 %	Yes	
(3) SPRUGOS MAURITIUS I LTD 33 EDITH CAVELL STREET PORT LOUIS MP	INVESTMENT	MP	HHMI	C Corporation	-2,873,897	994,528	100 %	Yes	
(4) HHMI CAYMAN I COMPANY WALKER WALKER HOUSE MARY STREET PO BOX 265GT GEORGETOWN CJ	INVESTMENT	CJ	HHMI	C Corporation	-40,618	218,554	100 %	Yes	
(5) CHALKSTREAM KOREA FUND INTERNATIONAL LP 27 Hospital Road George Town, Grand Cayman KY19008 CJ 98-1248058	INVESTMENT	CJ	HHMI	C Corporation	5,824,078	50,448,527	100 %	Yes	
(6) LSV ADVANTAGE INTERNATIONAL III LTD 89 NEXUS WAY 2/F CAMANA BAY GRAND CAYMAN KY11205 CJ 98-1300995	INVESTMENT	CJ	HHMI	C Corporation	-251,148	1,001,276	100 %	Yes	
(7) LSV ADVANTAGE INTERNATIONAL III-B LTD 89 NEXUS WAY 2/F CAMANA BAY GRAND CAYMAN KY11205 CJ 98-1315328	INVESTMENT	CJ	HHMI	C Corporation	8,342,844	27,224,468	100 %	Yes	
(8) COASTLAND RELATIVE VALUE FUND LTD WALKER HOUSE 87 MARY STREET GEORGE TOWN, GRAND CAYMAN KY19005 CJ	INVESTMENT	CJ	HHMI	C Corporation	22,131,938	63,857,412	70 %	Yes	
(9) IRONSIDES PARTNERS SPECIAL SITUATIONS OFFSHORE FUND LTD PO BOX 309 UGLAND HOUSE GRAND CAYMAN 11104 CJ	INVESTMENT	CJ	HHMI	C Corporation	893,539	3,243,185	58 %	Yes	
(10) MARSHALL WACE MANAGED ACCOUNTS PLC-MW EUROPA FUND II BEAUX LANE HOUSEMERCER ST LOWER DUBLIN 2 EI	INVESTMENT	EI	HHMI	C Corporation	-9,925,078	157,078,640	100 %	Yes	
(11) NEWFOUNDLAND TERRANOVA OFFSHORE FUND 89 NEXUS WAY CAMANA BAY GRAND CAYMAN KY19007 CJ	INVESTMENT	CJ	HHMI	C Corporation	17,132,548	154,797,117	89 %	Yes	
(12) STEYN CAPITAL OFFSHORE HEDGE FUND CASSIA COURT STE 716 10 MARKET ST CAMANA BAY, GRAND CAYMAN KY19006 CJ	INVESTMENT	CJ	HHMI	C Corporation	-840,614	117,249,960	100 %	Yes	
(13) LSV ADVANTAGE INTERNATIONAL III-C LTD 89 NEXUS WAY 2/F CAMANA BAY GRAND CAYMAN KY11205 CJ 98-1331158	INVESTMENT	CJ	HHMI	C Corporation	-10,672	10,672	100 %	Yes	

Form 990, Schedule R, Part V - Transactions With Related Organizations

	(a) Name of related organization	(b) Transaction type(a-s)	(c) Amount Involved	(d) Method of determining amount involved
(1)	CERBERUS HH PARTNERS LP	B	10,305,040	FMV
(1)	ECHO STREET GOODCO SELECT II LP	B	130,000,000	FMV
(2)	GEM BVP CO-INV-A LP	B	2,000,000	FMV
(3)	HH HOLDCO CO-INVESTMENT FUND LP	B	31,742,670	FMV
(4)	HH SG SECONDARY FUND II LP	B	29,902,122	FMV
(5)	SOLUS OPPORTUNITIES FUND 2 LP	B	20,046,436	FMV
(6)	TOURMALET MATAWIN OFFSHORE FUND VI-A LP	B	46,000,000	FMV
(7)	SPRUGOS MAURITIUS I LTD	B	26,146,856	FMV
(8)	LSV ADVANTAGE INTERNATIONAL III LTD	B	622,067	FMV
(9)	LSV ADVANTAGE INTERNATIONAL III-B LTD	B	3,538,063	FMV
(10)	NEWFOUNDLAND TERRANOVA OFFSHORE FUND	B	100,450,049	FMV
(11)	STEYN CAPITAL OFFSHORE HEDGE FUND	B	50,000,000	FMV
(12)	CERBERUS HH PARTNERS LP	S	41,032,984	FMV
(13)	HH ELLINGTON FUND LTD	S	32,772,287	FMV
(14)	HH HOLDCO CO-INVESTMENT FUND LP	S	24,353,431	FMV
(15)	HH SG SECONDARY FUND LP	S	3,851,789	FMV
(16)	HH SG SECONDARY FUND II LP	S	12,737,363	FMV
(17)	HHLF LP	S	26,739,354	FMV
(18)	LUMINUS CREDIT OPPORTUNITIES PIE I LP	S	36,803,385	FMV
(19)	SOLUS OPPORTUNITIES FUND 2 LP	S	48,488,708	FMV
(20)	TOURMALET MATAWIN OFFSHORE FUND VI-A LP	S	16,385,433	FMV
(21)	SPRUGOS MAURITIUS I LTD	S	25,139,919	FMV
(22)	NEWFOUNDLAND TERRANOVA OFFSHORE FUND	S	75,450,048	FMV
(23)	CVI HH INVESTMENTS LP	S	80,000,000	FMV
(24)	LSV ADVANTAGE INTERNATIONAL III-C LTD	B	25,679,537	FMV

Form 990, Schedule R, Part V - Transactions With Related Organizations

	(a) Name of related organization	(b) Transaction type(a-s)	(c) Amount Involved	(d) Method of determining amount involved
(26)	Arosa Midstream Fund LP	B	29,180,714	FMV
(1)	ColHM Strategic Partners LP	S	11,830,816	FMV