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Form <b>990</b>  Department of the Treasury Internal Revenue Service	<b>Return of Organization Exempt From Income Tax</b>  <b>Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)</b>  ▶ Do not enter social security numbers on this form as it may be made public ▶ Information about Form 990 and its instructions is at <a href="http://www.irs.gov/form990">www.irs.gov/form990</a>	OMB No 1545-0047 <div> <div>2015</div> <div>Open to Public Inspection</div> </div>

**A For the 2015 calendar year, or tax year beginning 01-01-2015 , and ending 12-31-2015**

<b>B</b> Check if applicable <input type="checkbox"/> Address change <input type="checkbox"/> Name change <input type="checkbox"/> Initial return <input type="checkbox"/> Final return/terminated <input type="checkbox"/> Amended return <input type="checkbox"/> Application pending	<b>C</b> Name of organization STOWERS INSTITUTE FOR MEDICAL RESEARCH		<b>D</b> Employer identification number 20-2993509
	% J SCOTT PETTET		E Telephone number (816) 926-4000
	Doing business as		
	Number and street (or P O box if mail is not delivered to street address) 1000 EAST 50TH STREET	Room/suite	<b>G</b> Gross receipts \$ 148,536,262
	City or town, state or province, country, and ZIP or foreign postal code KANSAS CITY, MO 64110		
<b>F</b> Name and address of principal officer DAVID M CHAO 1000 EAST 50TH STREET KANSAS CITY, MO 64110		<b>H(a)</b> Is this a group return for subordinates? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>H(b)</b> Are all subordinates included? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," attach a list (see instructions) <b>H(c)</b> Group exemption number ▶	
<b>I</b> Tax-exempt status <input checked="" type="checkbox"/> 501(c)(3) <input type="checkbox"/> 501(c) ( ) ◀ (insert no ) <input type="checkbox"/> 4947(a)(1) or <input type="checkbox"/> 527			
<b>J</b> Website: ▶ WWW.STOWERS.ORG			

## Part I Summary

Activities & Governance	1 Briefly describe the organization's mission or most significant activities SIMR'S EXEMPT PURPOSE IS TO PERFORM MEDICAL RESEARCH IN THE PUBLIC INTEREST WITH THE GOAL OF EXPANDING OUR UNDERSTANDING OF THE FUNDAMENTAL PROCESSES OF LIVING CELLS			
	2 Check this box <input type="checkbox"/> 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	8
	4	Number of independent voting members of the governing body (Part VI, line 1b) . . . . .	4	0
	5	Total number of individuals employed in calendar year 2015 (Part V, line 2a) . . . . .	5	340
	6	Total number of volunteers (estimate if necessary) . . . . .	6	1
	7a	Total unrelated business revenue from Part VIII, column (C), line 12 . . . . .	7a	0
	b	Net unrelated business taxable income from Form 990-T, line 34 . . . . .	7b	
Revenue	8	Contributions and grants (Part VIII, line 1h) . . . . .	Prior Year	Current Year
	9	Program service revenue (Part VIII, line 2g) . . . . .	178,677,989	59,252,674
	10	Investment income (Part VIII, column (A), lines 3, 4, and 7d ) . . . . .	356,003	337,517
	11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	377,075	1,002,150
	12	Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	127,439	145,341
			179,538,506	60,737,682
Expenses	13	Grants and similar amounts paid (Part IX, column (A), lines 1–3 ) . . . . .	3,434,645	3,092,644
	14	Benefits paid to or for members (Part IX, column (A), line 4) . . . . .	0	0
	15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	29,024,462	28,376,665
	16a	Professional fundraising fees (Part IX, column (A), line 11e) . . . . .	0	0
	b	Total fundraising expenses (Part IX, column (D), line 25) <input type="checkbox"/> 0		
	17	Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e) . . . . .	41,790,239	44,165,781
	18	Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)	74,249,346	75,635,090
	19	Revenue less expenses Subtract line 18 from line 12 . . . . .	105,289,160	-14,897,408
Net Assets or Fund Balances			Beginning of Current Year	End of Year
	20	Total assets (Part X, line 16) . . . . .	390,227,160	361,530,633
	21	Total liabilities (Part X, line 26) . . . . .	135,642,713	122,562,412
	22	Net assets or fund balances Subtract line 21 from line 20 . . . . .	254,584,447	238,968,221

## Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

<b>Sign Here</b>	<div> <div></div> <div>Signature of officer</div> </div>				2016-08-09		
	<div> <div></div> <div> RODERICK L STURGEON CFO  Type or print name and title </div> </div>						
<b>Paid Preparer Use Only</b>	Print/Type preparer's name MICHELLE MICHALOWSKI		Preparer's signature MICHELLE MICHALOWSKI		Date	Check <input type="checkbox"/> if self-employed	PTIN P00755304
	Firm's name  PricewaterhouseCoopers LLP					Firm's EIN	
	Firm's address  600 13TH ST NW STE 1000  WASHINGTON, DC 20005					Phone no (202) 414-1000	

Part III

Statement of Program Service Accomplishments

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

☐ Yes ☒ No

1

Briefly describe the organization's mission

SEE SCHEDULE O

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 \$ 68,954,154 including grants of \$ 3,092,644 ) (Revenue \$ 337,517 )

SIMR'S ACCOMPLISHMENTS ARE DESCRIBED IN SCHEDULE O

4b

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

4c

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

4d













Other program services (Describe in Schedule O )

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

4e

Total program service expenses ▶ 68,954,154

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	No
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 Yes	
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	No
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 Yes	
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 Yes	
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	No
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	No
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	No
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
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	

Part IV Checklist of Required Schedules (continued)

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		No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception? . . . .	24b		
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		
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year? . . . .	24d		
25a	<b>Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations.</b> 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	Yes	
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	Yes	
29	Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M . . . . .	29	Yes	
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		No
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	<b>Section 501(c)(3) organizations.</b> 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? <b>Note.</b> 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.	17	
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable.	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	340
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? <b>Note.</b> 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	No
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	
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	No
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).		
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?	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? <b>Note.</b> 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		
	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		
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?	Yes	
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?		No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?		No
5	Did the organization become aware during the year of a significant diversion of the organization's assets?		No
6	Did the organization have members or stockholders?		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?		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?		No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following		
a	The governing body?	Yes	
b	Each committee with authority to act on behalf of the governing body?	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		No

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

	Yes	No
10a		No
b		
11a	Yes	
b		
12a	Yes	
b	Yes	
c	Yes	
13	Yes	
14	Yes	
15		
a	Yes	
b		No
If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions)		
16a		No
b		
16b		

Section C. Disclosure

17	List the States with which a copy of this Form 990 is required to be filed
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. <input type="checkbox"/> Own website <input type="checkbox"/> Another's website <input checked="" type="checkbox"/> Upon request <input type="checkbox"/> 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 J SCOTT PETTET 1000 E 50TH STREET KANSAS CITY, MO 64110 (816) 926-4000

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			
(1) VIRGINIA G STOWERS ..... DIRECTOR	2 0 ..... 2 0	X						0	0	0
(2) DAVID A WELTE ..... DIRECTOR/SECRETARY	2 0 ..... 47 0	X		X				0	1,249,459	59,169
(3) RODERICK L STURGEON ..... DIRECTOR/CFO	2 0 ..... 46 0	X		X				0	1,444,652	55,392
(4) WILLIAM B NEAVES ..... DIRECTOR/PRESIDENT EMERITUS	40 0 ..... 6 0	X		X				525,001	0	53,445
(5) DAVID M CHAO ..... DIRECTOR/PRESIDENT/CEO	40 0 ..... 5 0	X		X				1,443,428	0	40,708
(6) ROBERT E KRUMLAUF ..... DIRECTOR/SCIENTIFIC DIRECTOR	40 0 ..... 3 0	X						514,754	0	58,184
(7) RICHARD W BROWN ..... DIRECTOR/CHAIR	2 0 ..... 45 0	X		X				0	2,180,037	52,689
(8) ALBERZINE FREEMAN ..... DIRECTOR/VP OF ADMINISTRATION	2 0 ..... 42 0	X						0	401,384	49,641
(9) RONALD C CONAWAY ..... INVESTIGATOR	40 0 ..... 0 0					X		289,308	0	40,708
(10) JOAN W CONAWAY ..... INVESTIGATOR	40 0 ..... 0 0					X		286,611	0	54,123
(11) JERRY L WORKMAN ..... INVESTIGATOR	40 0 ..... 0 0					X		343,817	0	47,609
(12) R SCOTT HAWLEY ..... INVESTIGATOR	40 0 ..... 1 0					X		344,405	0	52,993
(13) LINHENG LI ..... INVESTIGATOR	40 0 ..... 0 0					X		254,309	0	39,316



## Part VII

<b>1b</b>	<b>Sub-Total . . . . .</b>			
<b>c</b>	<b>Total from continuation sheets to Part VII, Section A . . . . .</b>			
<b>d</b>	<b>Total (add lines 1b and 1c) . . . . .</b>	4,001,633	5,275,532	603,977

**2**

<b>3</b>	Did the organization list any <b>former</b> officer, director or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i> . . . . .
<b>4</b>	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? <i>If "Yes," complete Schedule J for such individual</i> . . . . .
<b>5</b>	Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i> . . . . .

## Section B. Independent Contractors

**1**

Name and business address	Description of services	Compensation
AMERICAN CENTURY INVESTMENTS, 4500 MAIN STREET KANSAS CITY, MO 64111	SEE SCH L, PART V	177,000

2

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	55,150,530				
	e	Government grants (contributions)	1e	3,335,213				
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	766,931				
	g	Noncash contributions included in lines 1a-1f \$		55,213,530				
	h	Total. Add lines 1a-1f . . . . .			59,252,674			
Program Service Revenue			Business Code					
	2a	COLLABORATION FEE FROM HHMI 501(C) (3)		900099	337,517	337,517		
	b							
	c							
	d							
	e							
	f	All other program service revenue						
	g	Total. Add lines 2a-2f . . . . .			337,517			
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts) . . . . .			685,818		685,818	
	4	Income from investment of tax-exempt bond proceeds . . . . .			0			
	5	Royalties . . . . .			2,183		2,183	
	6a			(i) Real	(ii) Personal			
		Gross rents		14,612				
		b	Less rental expenses	14,612				
		c	Rental income or (loss)	0	0			
	d	Net rental income or (loss) . . . . .			0			
	7a			(i) Securities	(ii) Other			
		Gross amount from sales of assets other than inventory		87,928,423	171,877			
		b	Less cost or other basis and sales expenses	87,699,647	84,321			
		c	Gain or (loss)	228,776	87,556			
	d	Net gain or (loss) . . . . .			316,332		316,332	
	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 . . . . .			0			
	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 . . . . .			0			
	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 . . . . .			0				
Miscellaneous Revenue		Business Code						
11a	OTHER REBATES & REVENUE			900099	143,158		143,158	
b								
c								
d	All other revenue . . . . .							
e	Total. Add lines 11a-11d . . . . .				143,158			
12	Total revenue. See Instructions . . . . .				60,737,682	337,517	1,147,491	

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) Fundraising expenses
1	Grants and other assistance to domestic organizations and domestic governments See Part IV, line 21	1,300,500	1,300,500		
2	Grants and other assistance to domestic individuals See Part IV, line 22	1,792,144	1,792,144		
3	Grants and other assistance to foreign organizations, foreign governments, and foreign individuals See Part IV, lines 15 and 16	0			
4	Benefits paid to or for members	0			
5	Compensation of current officers, directors, trustees, and key employees	2,635,520	2,371,968	263,552	
6	Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0			
7	Other salaries and wages	19,132,726	17,219,453	1,913,273	
8	Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	2,329,878	2,096,890	232,988	
9	Other employee benefits	2,857,797	2,572,017	285,780	
10	Payroll taxes	1,420,744	1,278,670	142,074	
11	Fees for services (non-employees)				
a	Management	0			
b	Legal	0			
c	Accounting	0			
d	Lobbying	0			
e	Professional fundraising services See Part IV, line 17	0			
f	Investment management fees	0			
g	Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	997,580	897,822	99,758	
12	Advertising and promotion	0			
13	Office expenses	243,821	219,439	24,382	
14	Information technology	264,824	238,342	26,482	
15	Royalties	666	666		
16	Occupancy	2,215,939	1,994,345	221,594	
17	Travel	554,003	498,603	55,400	
18	Payments of travel or entertainment expenses for any federal, state, or local public officials	0			
19	Conferences, conventions, and meetings	602,571	542,314	60,257	
20	Interest	0			
21	Payments to affiliates	0			
22	Depreciation, depletion, and amortization	9,888,279	8,899,451	988,828	
23	Insurance	0			
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	COST-SHARING W/RELATED ORG	22,549,975	20,294,977	2,254,998	
b	LAB SUPPLIES	5,732,425	5,732,425		
c	NON-CAPITAL EQUIPMENT	721,257	649,131	72,126	
d	DUES & SUBSCRIPTIONS	81,911	73,720	8,191	
e	All other expenses	312,530	281,277	31,253	
25	Total functional expenses. Add lines 1 through 24e	75,635,090	68,954,154	6,680,936	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 X

					(A)		(B)
					Beginning of year		End of year
Assets	1	Cash—non-interest-bearing . . . . .			0	1	0
	2	Savings and temporary cash investments . . . . .			2,227,476	2	1,791,331
	3	Pledges and grants receivable, net . . . . .			322,362	3	312,345
	4	Accounts receivable, net . . . . .			0	4	0
	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 . . . . .					
					0	6	0
	7	Notes and loans receivable, net . . . . .			0	7	0
	8	Inventories for sale or use . . . . .			6,117	8	5,982
	9	Prepaid expenses and deferred charges . . . . .			444,230	9	411,215
	10a	Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D	10a	322,985,305			
	b	Less accumulated depreciation . . . . .	10b	169,961,901	158,679,621	10c	153,023,404
	11	Investments—publicly traded securities . . . . .			101,757,504	11	94,705,972
	12	Investments—other securities See Part IV, line 11 . . . . .			610,425	12	466,247
	13	Investments—program-related See Part IV, line 11 . . . . .			0	13	0
14	Intangible assets . . . . .			0	14	0	
15	Other assets See Part IV, line 11 . . . . .			126,179,425	15	110,814,137	
16	Total assets.Add lines 1 through 15 (must equal line 34) . . . . .			390,227,160	16	361,530,633	
Liabilities	17	Accounts payable and accrued expenses . . . . .			6,840,907	17	7,104,251
	18	Grants payable . . . . .			0	18	0
	19	Deferred revenue . . . . .			391,809	19	235,360
	20	Tax-exempt bond liabilities . . . . .			0	20	0
	21	Escrow or custodial account liability Complete Part IV of Schedule D . . . . .			0	21	0
	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 . . . . .			0	22	0
	23	Secured mortgages and notes payable to unrelated third parties . . . . .			0	23	0
	24	Unsecured notes and loans payable to unrelated third parties . . . . .			0	24	0
	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 . . . . .			128,409,997	25	115,222,801
	26	Total liabilities.Add lines 17 through 25 . . . . .			135,642,713	26	122,562,412
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.						
	27	Unrestricted net assets . . . . .			254,584,447	27	238,929,030
	28	Temporarily restricted net assets . . . . .			0	28	39,191
	29	Permanently restricted net assets . . . . .			0	29	0
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> 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 . . . . .			254,584,447	33	238,968,221
	34	Total liabilities and net assets/fund balances . . . . .			390,227,160	34	361,530,633

Part XI Reconciliation 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	60,737,682
2	Total expenses (must equal Part IX, column (A), line 25)	2	75,635,090
3	Revenue less expenses Subtract line 2 from line 1	3	-14,897,408
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	254,584,447
5	Net unrealized gains (losses) on investments	5	-328,742
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	-390,076
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	238,968,221

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 <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> 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? 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 <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	2a	No
2b Were the organization's financial statements audited by an independent accountant? 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 <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	2b	Yes
2c 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? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O	2c	Yes
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	Yes
3b 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	Yes

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](http://www.irs.gov/form990).

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization STOWERS INSTITUTE FOR MEDICAL RESEARCH	Employer identification number 20-2993509
--	--

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 11, 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 \_\_\_\_\_

SEE SCHEDULE A,  
PART VI, 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 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 )

10

☐

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

11

☐

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 11a through 11d that describes the type of supporting organization and complete lines 11e, 11f, and 11g

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- 9 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
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, or 8 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)2011	(b)2012	(c)2013	(d)2014	(e)2015	(f)Total
1 Gifts, grants, contributions, and membership fees received (Do not include any unusual grants )						
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)2011	(b)2012	(c)2013	(d)2014	(e)2015	(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 . . . . . ▶						<input type="checkbox"/>

Section C. Computation of Public Support Percentage

14	Public support percentage for 2015 (line 6, column (f) divided by line 11, column (f))	14	
15	Public support percentage for 2014 Schedule A, Part II, line 14	15	
16a	33 1/3% support test—2015.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	▶ <input type="checkbox"/>	
b	33 1/3% support test—2014.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	▶ <input type="checkbox"/>	
17a	10%-facts-and-circumstances test—2015.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	▶ <input type="checkbox"/>	
b	10%-facts-and-circumstances test—2014.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	▶ <input type="checkbox"/>	
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	▶ <input type="checkbox"/>	




Part IIISupport Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 9 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)2011	(b)2012	(c)2013	(d)2014	(e)2015	(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)2011	(b)2012	(c)2013	(d)2014	(e)2015	(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 <b>stop here</b> ▶						

Section C. Computation of Public Support Percentage						
15 Public support percentage for 2015 (line 8, column (f) divided by line 13, column (f))	15					
16 Public support percentage from 2014 Schedule A, Part III, line 15	16					

Section D. Computation of Investment Income Percentage		
17	Investment income percentage for <b>2015</b> (line 10c, column (f) divided by line 13, column (f))	17
18	Investment income percentage from <b>2014</b> Schedule A, Part III, line 17	18
19a	<b>33 1/3% support tests—2015.</b> 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 <b>stop here</b> . The organization qualifies as a publicly supported organization 	
b	<b>33 1/3% support tests—2014.</b> 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 <b>stop here</b> . The organization qualifies as a publicly supported organization 	
20	<b>Private foundation.</b> 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 11 of Part I. If you checked 11a of Part I, complete Sections A and B. If you checked 11b of Part I, complete Sections A and C. If you checked 11c of Part I, complete Sections A, D, and E. If you checked 11d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
<b>1</b> Are all of the organization's supported organizations listed by name in the organization's governing documents? <i>If "No," describe in <b>Part VI</b> how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.</i>		
<b>2</b> Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in <b>Part VI</b> how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
<b>3a</b> Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer (b) and (c) below.</i>		
<b>b</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)? <i>If "Yes," describe in <b>Part VI</b> when and how the organization made the determination.</i>		
<b>c</b> Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in <b>Part VI</b> what controls the organization put in place to ensure such use.</i>		
<b>4a</b> Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes" and if you checked 11a or 11b in Part I, answer (b) and (c) below.</i>		
<b>b</b> Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>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.</i>		
<b>c</b> 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)? <i>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.</i>		
<b>5a</b> Did the organization add, substitute, or remove any supported organizations during the tax year? <i>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).</i>		
<b>b Type I or Type II only.</b> Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
<b>c Substitutions only.</b> Was the substitution the result of an event beyond the organization's control?		
<b>6</b> Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (a) its supported organizations, (b) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (c) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in <b>Part VI</b>.</i>		
<b>7</b> Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in IRC 4958(c)(3)(C)), a family member of a substantial contributor, or a 35-percent controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990).</i>		
<b>8</b> Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part II of Schedule L (Form 990).</i>		
<b>9a</b> 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))? <i>If "Yes," provide detail in <b>Part VI</b>.</i>		
<b>b</b> Did one or more disqualified persons (as defined in line 9(a)) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in <b>Part VI</b>.</i>		
<b>c</b> Did a disqualified person (as defined in line 9(a)) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in <b>Part VI</b>.</i>		
<b>10a</b> Was the organization subject to the excess business holdings rules of IRC 4943 because of IRC 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer b below.</i>		
<b>b</b> Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings).</i>		
<b>11</b> Has the organization accepted a gift or contribution from any of the following persons?		
<b>a</b> 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?		
<b>b</b> A family member of a person described in (a) above?		
<b>c</b> A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI.</i>		

Part IV

Supporting Organizations (continued)

Section B. Type I Supporting Organizations

	Yes	No
<div>1</div> <div>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? <i>If "No," describe in <b>Part VI</b> 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.</i></div>		
<div>2</div> <div>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? <i>If "Yes," explain in <b>Part VI</b> how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting organization.</i></div>		

Section C. Type II Supporting Organizations

	Yes	No
<div>1</div> <div>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)? <i>If "No," describe in <b>Part VI</b> how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i></div>		

Section D. All Type III Supporting Organizations

	Yes	No
<div>1</div> <div>Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization’s tax year, (1) a written notice describing the type and amount of support provided during the prior tax year, (2) a copy of the Form 990 that was most recently filed as of the date of notification, and (3) copies of the organization’s governing documents in effect on the date of notification, to the extent not previously provided?</div>		
<div>2</div> <div>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? <i>If "No," explain in <b>Part VI</b> how the organization maintained a close and continuous working relationship with the supported organization(s).</i></div>		
<div>3</div> <div>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? <i>If "Yes," describe in <b>Part VI</b> the role the organization’s supported organizations played in this regard.</i></div>		

Section E. Type III Functionally-Integrated Supporting Organizations

<div>1</div> <div>Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (<b>see instructions</b>)</div> <div><div>a</div><div><input type="checkbox"/> The organization satisfied the Activities Test. Complete <b>line 2</b> below.</div><div>b</div><div><input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete <b>line 3</b> below.</div><div>c</div><div><input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).</div></div>		
<div>2</div> <div>Activities Test <b>Answer (a) and (b) below.</b></div>		
<div>a</div> <div>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? <i>If "Yes," then in <b>Part VI identify those supported organizations and explain</b> 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.</i></div>		
<div>b</div> <div>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? <i>If "Yes," explain in <b>Part VI</b> the reasons for the organization’s position that its supported organization(s) would have engaged in these activities but for the organization’s involvement.</i></div>		
<div>3</div> <div>Parent of Supported Organizations <b>Answer (a) and (b) below.</b></div>		
<div>a</div> <div>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? <i>Provide details in Part VI.</i></div>		
<div>b</div> <div>Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i></div>		

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	<b>Adjusted Net Income</b> (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	<b>Total</b> (add lines 1a, 1b, and 1c)	1d	
e	<b>Discount</b> 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	<b>Minimum Asset Amount</b> (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	<b>Distributable Amount.</b> 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) <input type="checkbox"/>		

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 2015 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-2015	(iii) Distributable Amount for 2015
1 Distributable amount for 2015 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2015 (reasonable cause required--see instructions)			
3 Excess distributions carryover, if any, to 2015			
d From 2013. . . . .			
e From 2014. . . . .			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2015 distributable amount			
i Carryover from 2010 not applied (see instructions)			
j Remainder Subtract lines 3g, 3h, and 3i from 3f			
4 Distributions for 2015 from Section D, line 7 \$			
a Applied to underdistributions of prior years			
b Applied to 2015 distributable amount			
c Remainder Subtract lines 4a and 4b from 4			
5 Remaining underdistributions for years prior to 2015, if any Subtract lines 3g and 4a from line 2 (if amount greater than zero, see instructions)			
6 Remaining underdistributions for 2015 Subtract lines 3h and 4b from line 1 (if amount greater than zero, see instructions)			
7 Excess distributions carryover to 2016. Add lines 3j and 4c			
8 Breakdown of line 7			
c Excess from 2013. . . . .			
d From 2014. . . . .			
e From 2015. . . . .			

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

Return Reference	Explanation
PART I, LINE 4	<p>In 2015, Stowers scientists collaborated with researchers at about 100 national and 50 international institutions including dozens of hospitals, medical centers, medical schools, and teaching and research hospitals. Many of these collaborations resulted in discoveries that merited publication in leading peer-reviewed scientific journals and/or successfully funded grant awards. The Institute conducts medical research in conjunction with the University of Kansas ("KU") and its affiliates the University of Kansas Hospital Authority and the University of Kansas Medical Center ("KUMC") pursuant to a written Memorandum of Understanding. KUMC is the academic health science center of the largest public research university in the state of Kansas. KUMC offers programs and services that focus on education, research, patient care, and community engagement. To date, 31 KUMC students received Ph.D.s and 3 received M.S.s for dissertations in the Institutes labs. Since inception, more than 800 research publications list collaborations between the Institute and KU. KUMC is affiliated with the University of Kansas Hospital, a nonprofit independent hospital co-located with the main KUMC campus in Kansas City, KS. Eighteen independent research program leaders from SIMR are adjunct faculty in four KUMC departments. These appointments include twelve full professors, four associate professors, and two assistant professors. In 2015, 64 of SIMRs 77 original research publications included both SIMR and KUMC affiliations. About 20 KUMC students performed dissertation work in Stowers labs in 2015. The institute is also a consortium member of the University of Kansas Cancer Center at KUMC, a cancer research and care partnership spanning two states and involving collaboration among researchers, physicians, and cancer support professionals in basic, translational, and clinical research areas. In June 2012, the NIHs National Cancer Institute (NCI) named the University of Kansas Cancer Center as a NCI-Designated Cancer Center. The NCI Cancer Centers Program is a pillar of federal cancer research efforts and integral to the NCIs programs for studying, treating, and preventing cancer. In KUMCs application to the NCI Cancer Centers Program, \$4 million of the \$48 million in grants cited in the application were grants that had been awarded to Stowers investigators. Currently, eight Stowers research program leaders are members of the University of Kansas Cancer Centers Cancer Biology Research Program, including Linheng Li who serves as co-leader of the program. In 2015, Paul Kulesa was awarded an NIH grant from the National Institute of Neurological Disorders and Stroke to investigate mechanisms underlying neuroblastoma. This project includes a collaboration with Danny Welch, Ph.D., Professor and Chair of the Department of Cancer Biology at KUMC and Associate Director of the University of Kansas Cancer Center, who is an accomplished researcher in the area of tumor progression and underlying genetic and epigenetic controls. The institute also participated in collaborations conducting research in conjunction with the following US hospitals, pursuant to an understanding to maintain continuing close cooperation in the active conduct of medical research in 2015: Institution Location Boston University School of Medicine Boston, MA Brigham and Womens Hospital Boston, MA Case Western Reserve School of Medicine Cleveland, OH Childrens Hospital at Oklahoma University Oklahoma City, OK Children's Hospital of Philadelphia Philadelphia, PA Children's Mercy Hospital Kansas City, MO Cincinnati Children's Hospital Medical Center Cincinnati, OH David Geffen School of Medicine at UCLA Los Angeles, CA Duke University School of Medicine Durham, NC Geisel School of Medicine at Dartmouth College Hanover, NH Harvard Medical School Boston, MA Indiana University School of Medicine Indianapolis, IN Johns Hopkins School of Medicine Baltimore, MD Laura and Isaac Perlmutter Cancer Center at NYU School of Medicine New York, NY Mass General Hospital for Children Boston, MA Mayo Clinic Rochester, MN Memorial Sloan-Kettering Cancer Center New York, NY Nemours Childrens Hospital Jacksonville, FL New Jersey Medical School Newark, NJ Northwestern University Feinberg School of Medicine Chicago, IL Oregon Health and Science University School of Medicine Portland, OR Stanford University Medical Center Stanford, CA Texas A&amp;M Health Science Center College of Medicine College Station, TX University of California Davis School of Medicine Sacramento, CA University of California San Francisco School of Medicine San Francisco, CA University of Hawaii John A. Burns School of Medicine Honolulu, HI University of Kansas Medical Center Kansas City, KS University of Massachusetts Medical School Worcester, MA University of Miami Miller School of Medicine Miami, FL University of North Carolina School of Medicine Chapel Hill, NC University of Oklahoma Health Sciences Center College of Medicine Oklahoma City, OK University of Pennsylvania Perelman School of Medicine Philadelphia, PA University of Pittsburgh Cancer Institute Pittsburgh, PA University of Rochester Medical Center Rochester, NY University of Southern California Keck School of Medicine Los Angeles, CA University of Tennessee Health Sciences Center College of Medicine Memphis, TN University of Texas MD Anderson Cancer Center Houston, TX University of Washington School of Medicine Seattle, WA Veterans Affairs Greater Los Angeles Healthcare System Los Angeles, CA Via Christi Hospital Wichita, KS Washington University School of Medicine St. Louis, MO Yale New Haven Hospital New Haven, CT. To carry out the research described in the following examples, the Stowers Institute and hospital, medical center, or medical school entered into a Cooperation Agreement pursuant to which they agreed to establish, develop, administer, and maintain continuing close cooperation in the active conduct of medical research, including through specific cooperative efforts in the areas of research, sharing of information, pursuant to joint grants, interaction of staff, adjunct/joint appointments, and sharing of facilities. In order to assure the success of their cooperative relationship, each agreed to engage in effective, coordinated and ongoing planning, oversight, and communication, and to commit the necessary resources, both human and monetary, to support, facilitate, and promote the cooperation. - Joint medical research on new approaches for treating craniofacial defects. The Trainor Lab performed joint medical research on new approaches for treating craniofacial (head and face) defects and bone diseases in conjunction with the University of Kansas Medical Center. This project investigates the molecular and cellular mechanisms of how bone sialoprotein mediates bone formation and cranial bone repair. This ongoing research, supported in part by a NIH grant awarded by the National Institute of Dental and Craniofacial Research, reveals new information on the biological function of bone sialoprotein and may lead to improved methods for the treatment of cranial bone defects and bone diseases that involve bone sialoprotein. - Joint medical research on the characterization of intestinal stem cells. The Linheng Li Lab performed joint medical research on the characterization of intestinal stem cells with Cincinnati Childrens Hospital Medical Center, David Geffen School of Medicine at UCLA, Oregon Health and Science University School of Medicine, Stanford University Medical Center, and University of Pittsburgh Cancer Institute. Intestinal diseases ranging from Crohns disease to colitis to cancer may benefit from intestinal stem cell therapies. This research advances the understanding of the biology of stem cells that reside in the intestine and explores how they can be used to treat and cure intestinal diseases. This ongoing research collaboration, supported in part by a NIH grant awarded by the National Institute of Diabetes and Digestive and Kidney Diseases, has generated findings that have been reported in multiple original research publications including Wang X et al, 2015. - Joint medical research on origins and treatment of orofacial clefting. The Trainor Lab performed joint medical research on clefting of the mouth and face with the University of California Davis School of Medicine. Orofacial clefts are among the most common types of birth defects. Mutations in the Pak1ip1 gene are known to cause orofacial clefting and Pak1ip1 mutant mouse models have been developed. This project investigates the molecular and cellular etiology of orofacial clefting in the mouse models which may lead to new approaches for therapy and genetic testing in humans. This research is supported in part by a NIH grant from the National Institute of Dental and Craniofacial Research that began in 2015.</p>
PART I, LINE 4 (CON'T)	<p>- Joint medical research on mechanisms of neurodegenerative amyloid diseases. The Si Lab performed joint medical research on the structure and function of amyloids with the University of Southern California Keck School of Medicine. Amyloid fibrils are found in many neurodegenerative diseases but their mechanism of toxicity is not fully understood. An increasing number of nontoxic, functional amyloids have been described, including proteins that are important for neuronal growth and long-term memory. Determining the structure of functional amyloids and how their aggregation is regulated provides a better understanding of toxic amyloids and may reveal new approaches to treating neurodegenerative amyloid diseases. This collaborative research is supported in part by a NIH grant from the National Institute of General Medical Sciences that began in 2015. Other US collaborators included Brigham Young University, Brown University, California Institute of Technology, Cleveland State University, Colorado State University, Cornell University, Creighton University, Dixie State University, Duke University, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health, Frederick National Laboratory for Cancer Research, Greek and Associates Veterinary Hospital, Hagley Museum and Library, Harvard University, Howard Hughes Medical Institute, Indiana University, La Sierra University, Miami University, Michigan State University, Monell Chemical Senses Center, Montana State University, National Cancer Institute, National Institutes of Health, National Eye Institute, National Institutes of Health, National Heart Lung and Blood Institute, National Institutes of Health, National Human Genome Research Institute, National Institutes of Health, Natural History Museum of Los Angeles County, New York University, Pennsylvania State University, Sanford Burnham Prebys Medical Discovery Institute, Southeastern Louisiana University, Stanford University, Stony Brook University, Tufts University, Turner Syndrome Foundation, Turner Syndrome Global Alliance, Turner Syndrome Society of the United States, University of California, Riverside, University of California, San Diego, University of Colorado, University of Florida, University of Kansas, University of Kentucky, University of Louisville, University of Michigan, University of Missouri, University of Missouri at Kansas City, University of North Carolina, University of Oregon, University of Texas at Houston, University of Utah, Washington University in St. Louis, Whitehead Institute for Biomedical Research, and Wichita State University. SIMR collaborated with the following international hospitals, medical centers, and medical schools in 2015: Christian Medical College, Vellore, India, Dalhousie University Faculty of Medicine, Halifax, Canada, Essen University Hospital, Germany, Frankfurt University Hospital, Germany, Hokkaido University Graduate School of Medicine, Sapporo, Japan, Jewish General Hospital, Montreal, Canada, Kochi Medical School, Japan, Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan, Qilu Hospital of Shandong University, Jinan, China, Rechts der Isar Hospital, Munich, Germany, Regensburg University Hospital, Germany, Sackler Faculty of Medicine, Tel-Aviv University, Israel, Third Military Medical University, Chongqing, China, Tianjin Medical University, China, Tongji University East Hospital, Shanghai, China, Tsinghua University School of Medicine, Beijing, China, University of Gottingen Medical Faculty, Germany, University of Sao Paulo Clinics Hospital of Ribeirao Preto, Brazil, and University of Sherbrooke Faculty of Medicine and Health Sciences, Canada. Other international collaborators included A-STAR, Singapore, Chinese Academy of Sciences, Beijing, Chinese Academy of Sciences, Guangzhou, Chinese Academy of Sciences, Shanghai, Ehime University, Shitsukawa, Japan, Estacion Biologica Donana, Seville, Spain, Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland, Hanyang University, Seoul, South Korea, Hubei University of Technology, Wuhan, China, Institut de Genetique et de Biologie Moleculaire et Cellulaire, Strasbourg, France, Institut de Recherches Cliniques de Montral, Canada, Instituto de Biomedicina y Biotecnologia de Cantabria, Santander, Spain, Instituto Gulbenkian de Ciencia, Oeiras, Portugal, International Iberian Nanotechnology Laboratory, Braga, Portugal, Jilin University, Changchun, China, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany, Osaka University, Japan, QIMR Berghofer Medical Research Institute, Brisbane, Australia, Royal Veterinary College, London, UK, Sorbonne Universites, Paris, France, Sun Yat-sen University, Guangzhou, China, Technion Israel Institute of Technology, Haifa, Tel Aviv University, Israel, Tokyo University, Japan, Tsinghua University, Beijing, China, Universidad de Cantabria-Sodercan, Santander, Spain, Universite de Strasbourg, France, University College London, UK, University of Cambridge, UK, University of Manchester, UK, University of Oxford, UK, University Pierre and Marie Curie, Paris, France, and Zhejiang University, Hangzhou, China.</p>

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](http://www.irs.gov/form990).

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization  
STOWERS INSTITUTE FOR MEDICAL RESEARCH

Employer identification number  
20-2993509

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? <div><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	
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? <div><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	

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

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

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

	Amount
1c	
1d	
1e	
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" to Form 990, Part IV, line 10.

	(a)Current year	(b)Prior year	b (c)Two years back	(d)Three years back	(e)Four years back
1a Beginning of year balance . . . . .					
b Contributions . . . . .	100,000				
c Net investment earnings, gains, and losses					
d Grants or scholarships . . . . .					
e Other expenditures for facilities and programs . . . . .	60,809				
f Administrative expenses . . . . .					
g End of year balance . . . . .	39,191				

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

☐ 100 000 %

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

(i) unrelated organizations . . . . .

(ii) related organizations . . . . .

3a(i)

☐

No

3a(ii)

☐

No

b

If "Yes" on 3a(ii), are the related organizations listed as required on Schedule R?

☐

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' to 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)	Accumulated (c)depreciation	(d)Book value
1a Land . . . . .		3,400,000		3,400,000
b Buildings . . . . .		225,585,238	90,409,285	135,175,953
c Leasehold improvements . . . . .				
d Equipment . . . . .		93,520,781	79,552,616	13,968,165
e Other . . . . .		479,286		479,286
Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c).)				153,023,404





<b>Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return</b> 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	Amounts included on line 1 but not on Form 990, Part VIII, line 12				
a	Net unrealized gains (losses) on investments . . . . .	2a			
b	Donated services and use of facilities . . . . .	2b			
c	Recoveries of prior year grants . . . . .	2c			
d	Other (Describe in Part XIII ) . . . . .	2d			
e	Add lines 2a through 2d . . . . .			2e	
3	Subtract line 2e from line 1 . . . . .			3	
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			
b	Other (Describe in Part XIII ) . . . . .	4b			
c	Add lines 4a and 4b . . . . .			4c	
5	Total revenue Add lines 3 and 4c.(This must equal Form 990, Part I, line 12 ) . . . . .			5	

<b>Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.</b> Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.					
1	Total expenses and losses per audited financial statements . . . . .			1	
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			
e	Add lines 2a through 2d . . . . .			2e	
3	Subtract line 2e from line 1 . . . . .			3	
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			
b	Other (Describe in Part XIII ) . . . . .	4b			
c	Add lines 4a and 4b . . . . .			4c	
5	Total expenses Add lines 3 and 4c. (This must equal Form 990, Part I, line 18 ) . . . . .			5	

<b>Part XIII Supplemental Information</b>
---

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
PART X, LINE 2	FIN 48 FINANCIAL STATEMENT FOOTNOTE FROM THE CONSOLIDATED STATEMENTS OF STOWERS INSTITUTE FOR MEDICAL RESEARCH (THE INSTITUTE) IS AS FOLLOWS THE INSTITUTE RECOGNIZES THE EFFECT OF INCOME TAX POSITIONS ONLY IF THOSE POSITIONS ARE MORE LIKELY THAN NOT OF BEING SUSTAINED RECOGNIZED INCOME TAX POSITIONS ARE MEASURED AT THE LARGEST AMOUNT THAT IS GREATER THAN 50% LIKELY OF BEING REALIZED THE INSTITUTE INCLUDES FIVE TAX-EXEMPT ENTITIES AS DESCRIBED IN SECTION 501(C)(3) AND ONE TAX EXEMPT ENTITY AS DESCRIBED IN SECTION 501(C)(2) OF THE CODE THEREORE, IT IS THE INSTITUTE'S TAX POSITION THAT THESE SIX ENTITIES ARE EXEMPT FROM FEDERAL INCOME TAXES

[illegible]

## 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](http://www.irs.gov/form990).

OMB No 1545-0047

OMB No 1545-0047

# 2015

**Open to Public  
Inspection**

Name of the organization

STOWERS INSTITUTE FOR MEDICAL RESEARCH

Employer identification number	
--------------------------------	--

20-2993509

## 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? . . . . .
- 2** Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States

☒ Yes    ☐ No

**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.

[illegible]

- |          |   |   |   |
|----------|---|---|---|
| <b>2</b> | Enter total number of section 501(c)(3) and government organizations listed in the line 1 table . . . . . | ▶ | 1 |
| <b>3</b> | Enter total number of other organizations listed in the line 1 table . . . . .                            | ▶ |   |

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) STIPENDS/FELLOWSHIPS	55	1,737,970	54,174	FMV	SEE PART IV

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
PART I, LINE 2	SIMR PROVIDES TRAINING STIPENDS/FELLOWSHIPS TO UNDERGRADUATES, GRADUATES, AND POST-DOCTORAL CANDIDATES THESE STIPENDS/FELLOWSHIPS ARE PROVIDED FOR THE INDIVIDUAL'S TRAINING AND NOT AS COMPENSATION FOR ANY SERVICES PROVIDED BY THEM TO SIMR STIPENDS/FELLOWSHIPS ARE OFFERED ON A NON-DISCRIMINATORY BASIS TO INDIVIDUALS STUDYING A BASIC BIOMEDICAL FIELD WITH THE OBJECTIVE OF CONTINUING IN THIS FIELD UPON THE COMPLETION OF THEIR EDUCATION AND TRAINING
PART II, LINE 1	SIMR CONTRIBUTES ANNUAL FUNDING TO FINANCE THE GRADUATE SCHOOL OF THE STOWERS INSTITUTE FOR MEDICAL RESEARCH ("GSSIMR") GSSIMR'S EXEMPT PURPOSE IS TO PROVIDE GRADUATE EDUCATION THAT WILL PREPARE SCHOLARS FOR SCIENTIFIC RESEARCH IN THE BIOLOGICAL SCIENCES GSSIMR OFFERS A RESEARCH-BASED PH D DEGREE IN BIOLOGY AND OTHER INSTRUCTION PROGRAMS
PART III, LINE 1, COLUMN F	NON-CASH ASSISTANCE IS PROVIDED TO RESEARCHERS IN THE FORM OF CONFERENCE REGISTRATION, HOUSING, AND SIMILAR ITEMS RELATED TO THEIR EDUCATION

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](http://www.irs.gov/form990).

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization  
STOWERS INSTITUTE FOR MEDICAL RESEARCH

Employer identification number  
20-2993509

Part I

Questions Regarding Compensation

	Yes	No
<div><div>1a</div><div>Check the appropriate 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</div><div><div><div><input type="checkbox"/> First-class or charter travel</div><div><input type="checkbox"/> Travel for companions</div><div><input checked="" type="checkbox"/> Tax idemnification and gross-up payments</div><div><input type="checkbox"/> Discretionary spending account</div></div><div><div><input type="checkbox"/> Housing allowance or residence for personal use</div><div><input type="checkbox"/> Payments for business use of personal residence</div><div><input type="checkbox"/> Health or social club dues or initiation fees</div><div><input type="checkbox"/> Personal services (e g , maid, chauffeur, chef)</div></div></div></div>		
<div><div>b</div><div>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</div></div>	Yes	
<div><div>2</div><div>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?</div></div>	Yes	
<div><div>3</div><div>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</div><div><div><input checked="" type="checkbox"/> Compensation committee</div><div><input checked="" type="checkbox"/> Independent compensation consultant</div><div><input type="checkbox"/> Form 990 of other organizations</div><div><input checked="" type="checkbox"/> Written employment contract</div><div><input checked="" type="checkbox"/> Compensation survey or study</div><div><input checked="" type="checkbox"/> Approval by the board or compensation committee</div></div></div>		
<div><div>4</div><div>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</div></div>		
<div><div>a</div><div>Receive a severance payment or change-of-control payment?</div></div>		No
<div><div>b</div><div>Participate in, or receive payment from, a supplemental nonqualified retirement plan?</div></div>		No
<div><div>c</div><div>Participate in, or receive payment from, an equity-based compensation arrangement?</div></div> <div>If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III</div>		No
<div><div></div><div>Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.</div></div>		
<div><div>5</div><div>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</div></div>		
<div><div>a</div><div>The organization?</div></div>		No
<div><div>b</div><div>Any related organization?</div></div> <div>If "Yes," on line 5a or 5b, describe in Part III</div>		No
<div><div>6</div><div>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</div></div>		
<div><div>a</div><div>The organization?</div></div>		No
<div><div>b</div><div>Any related organization?</div></div> <div>If "Yes," on line 6a or 6b, describe in Part III</div>		No
<div><div>7</div><div>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</div></div>		No
<div><div>8</div><div>Were any amounts reported on Form 990, Part VII, paid or accrued 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</div></div>		No
<div><div>9</div><div>If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53 4958-6(c)?</div></div>		

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
	Base (i) 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
PART I, LINE 1A	SIMR HAS WRITTEN EMPLOYMENT CONTRACTS WITH WILLIAM B. NEAVES, PRESIDENT EMERITUS, AND DAVID M. CHAO, PRESIDENT, WHICH PROVIDES FOR TAXABLE TERM LIFE BENEFITS AND FOR THE EXECUTIVES TO RECEIVE TAX GROSS-UP PAYMENTS SUFFICIENT TO COVER THE TAXES ON THE BENEFITS.
PART I, LINE 1B	SIMR PROVIDED THE BENEFITS DESCRIBED IN RESPONSE TO LINE 1A PURSUANT TO WRITTEN EMPLOYMENT CONTRACTS THAT WERE APPROVED BY SIMR'S GOVERNING BOARD. SEE RESPONSE TO FORM 990, PART VI, SECTION B, LINE 15, FOR ADDITIONAL PROCESSES RELATED TO DETERMINING EXECUTIVE COMPENSATION.

Additional Data

Software ID:

Software Version:

EIN: 20-2993509

Name: STOWERS INSTITUTE FOR MEDICAL RESEARCH

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			(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				
1DAVID A WELTE DIRECTOR/SECRETARY	(i)	-----	-----	-----	-----	-----	-----	-----
	(ii)	1,169,423-	-	80,036-	39,750-	19,419-	1,308,628-	-0
1RODERICK L STURGEON DIRECTOR/CFO	(i)	-----	-----	-----	-----	-----	-----	-----
	(ii)	1,364,178-	-	80,474-	39,750-	15,642-	1,500,044-	-0
2WILLIAM B NEAVES DIRECTOR/PRESIDENT EMERITUS	(i)	515,316		9,685	39,750	13,695	578,446	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
3DAVID M CHAO DIRECTOR/PRESIDENT/CEO	(i)	1,436,552		6,876	39,750	958	1,484,136	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
4ROBERT E KRUMLAUF DIRECTOR/SCIENTIFIC DIRECTOR	(i)	510,086		4,668	39,750	18,434	572,938	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
5RONALD C CONAWAY INVESTIGATOR	(i)	286,897		2,411	39,750	958	330,016	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
6JOAN W CONAWAY INVESTIGATOR	(i)	284,200		2,411	39,750	14,373	340,734	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
7JERRY L WORKMAN INVESTIGATOR	(i)	286,081		57,736	39,750	7,859	391,426	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
8R SCOTT HAWLEY INVESTIGATOR	(i)	283,204		61,201	39,750	13,243	397,398	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
9RICHARD W BROWN DIRECTOR/CHAIR	(i)	-----	-----	-----	-----	-----	-----	-----
	(ii)	2,147,886-	-	32,151-	39,750-	12,939-	2,232,726-	-0
10LINHENG LIINVESTIGATOR	(i)	251,970		2,339	37,870	1,446	293,625	0
	(ii)	-----	-----	-----	-----	-----	-----	-----
11ALBERZINE FREEMAN DIRECTOR/VP OF ADMINISTRATION	(i)	-----	-----	-----	-----	-----	-----	-----
	(ii)	396,250-	-	5,134-	39,750-	9,891-	451,025-	-0





Part IVBusiness Transactions Involving Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No
(1) AMERICAN CENTURY INVESTMENTS	SEE PART V	177,000	SEE PART V		No
(2) JULIA ZEITLINGER PhD	SEE PART V	145,692	EMPLOYEE OF SIMR		No
(3) LEANNE WIEDEMANN PhD	SEE PART V	213,362	EMPLOYEE OF SIMR		No

Part VSupplemental Information

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

Return Reference	Explanation
PART IV, LINE (1) COLUMN B	VIRGINIA G STOWERS, RICHARD W BROWN, DAVID A WELTE, DAVID M CHAO, WILLIAM B NEAVES AND RODERICK L STURGEON ARE CURRENT DIRECTORS OF SIMR AND ALSO DIRECTORS OF AMERICAN CENTURY COMPANIES, INC ("ACCI") JAMES E STOWERS JR (DECEASED 3/17/14) WAS THE FOUNDER OF ACCI AND CO-FOUNDER OF THE INSTITUTE WITH VIRGINIA G STOWERS
PART IV, LINE (1) COLUMN D	SIMR RECEIVES INVESTMENT MANAGEMENT SERVICES FROM AMERICAN CENTURY INVESTMENTS ("ACI") ACI IS A WHOLLY OWNED SUBSIDIARY OF ACCI SIMR INCURS THE SAME ADMINISTRATIVE FEES FOR THESE SERVICES AS ANY ARMS-LENGTH INVESTOR THE VALUE OF THESE SERVICES, ESTIMATED BY MULTIPLYING SIMR'S AVERAGE AMOUNT OF INVESTMENT HOLDINGS THROUGHOUT THE YEAR IN AN INVESTMENT POOL SHARED BY CERTAIN OTHER RELATED TAX-EXEMPT ORGANIZATIONS DESCRIBED IN SCHEDULE R, PART II IDENTIFICATION OF RELATED TAX-EXEMPT ORGANIZATIONS, BY THE PUBLISHED ADMINISTRATIVE FEE PERCENTAGE FOR THE APPLICABLE INVESTMENTS, WAS APPROXIMATELY \$177,000 THE FEES FOR THIS SHARED INVESTMENT POOL ARE PAID BY ITS SUPPORTING ORGANIZATION, SRM IN SELECTING ACI TO MANAGE ITS LIQUID INVESTMENTS, SIMR SELECTED A HIGH QUALITY INVESTMENT COMPANY WITH AN OUTSTANDING TRACK RECORD
PART IV, LINE (2) & (3)	JULIA ZEITLINGER, PH D, IS THE SPOUSE OF DAVID M CHAO, PRESIDENT OF SIMR MS ZEITLINGER IS AN ASSOCIATE INVESTIGATOR AT SIMR MS ZEITLINGER'S PREVIOUS EMPLOYMENT BEFORE SIMR WAS WITH THE WHITEHEAD INSTITUTE FOR MEDICAL RESEARCH WHERE SHE WAS THE RECIPIENT OF A PREDOCTORAL FELLOWSHIP FROM THE HUMAN FRONTIER SCIENCE PROGRAM LEANNE WIEDMANN, PH D, IS THE SPOUSE OF ROBERT KRUMLAUF, SCIENTIFIC DIRECTOR OF SIMR MS WIEDEMANN PERFORMS INDEPENDENT SCIENCE RESEARCH AT SIMR AND IS CONCURRENTLY A PROFESSOR AT THE UNIVERSITY OF KANSAS MEDICAL CENTER IN THE DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

SCHEDULE M  
(Form 990)

Department of the Treasury  
Internal Revenue Service

Noncash Contributions

►Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.  
► Attach to Form 990.  
►Information about Schedule M (Form 990) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990)

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization  
STOWERS INSTITUTE FOR MEDICAL RESEARCH

Employer identification number  
20-2993509

Part I

Types of Property

	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts
1 Art—Works of art . . . . .				
2 Art—Historical treasures . . . . .				
3 Art—Fractional interests . . . . .				
4 Books and publications . . . . .				
5 Clothing and household goods . . . . .				
6 Cars and other vehicles . . . . .				
7 Boats and planes . . . . .				
8 Intellectual property . . . . .				
9 Securities—Publicly traded . . . . .	X	3	55,150,530	FAIR MARKET VALUE
10 Securities—Closely held stock . . . . .				
11 Securities—Partnership, LLC, or trust interests . . . . .				
12 Securities—Miscellaneous . . . . .				
13 Qualified conservation contribution—Historic structures . . . . .				
14 Qualified conservation contribution—Other . . . . .				
15 Real estate—Residential . . . . .				
16 Real estate—Commercial . . . . .				
17 Real estate—Other . . . . .				
18 Collectibles . . . . .				
19 Food inventory . . . . .				
20 Drugs and medical supplies . . . . .				
21 Taxidermy . . . . .				
22 Historical artifacts . . . . .				
23 Scientific specimens . . . . .				
24 Archeological artifacts . . . . .				
25 Other ► ( <u>USED MICROSCOPE</u> )	X	1	63,000	FAIR MARKET VALUE
26 Other ► ( _____ )				
27 Other ► ( _____ )				
28 Other ► ( _____ )				

29

Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement

30a

During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which is not required to be used for exempt purposes for the entire holding period? . . . . .

b

If "Yes," describe the arrangement in Part II

31

Does the organization have a gift acceptance policy that requires the review of any non-standard contributions?

32a

Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions? . . . . .

b

If "Yes," describe in Part II

33

If the organization did not report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II

For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Cat No 51227J

Schedule M (Form 990) (2015)

Part II

Supplemental Information.

Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Return Reference	Explanation
PART I, COLUMN B	THE AMOUNTS SHOWN IN PART I, COLUMN (B) FOR "NUMBER OF CONTRIBUTIONS" REPRESENTS THE TOTAL NUMBER OF CONTRIBUTIONS AND NOT NECESSARILY THE TOTAL NUMBER OF ITEMS CONTRIBUTED

**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](http://www.irs.gov/form990).**

OMB No 1545-0047

**2015**

**Open to Public  
Inspection**

Name of the organization  
STOWERS INSTITUTE FOR MEDICAL RESEARCH

**Employer identification number**

20-2993509

Return Reference	Explanation
FORM 990, PART III, LINE 1	THE STOWERS INSTITUTE FOR MEDICAL RESEARCH PERFORMS MEDICAL RESEARCH IN THE PUBLIC INTEREST WITH THE GOAL OF EXPANDING OUR UNDERSTANDING OF FUNDAMENTAL PROCESSES IN LIVING CELLS AND IMPROVING LIFE'S QUALITY THROUGH INNOVATIVE APPROACHES TO THE CAUSES, TREATMENT, AND PREVENTION OF DISEASE

Return Reference	Explanation
FORM 990, PART III, LINE 4	SIMR'S ACCOMPLISHMENTS ARE DESCRIBED AT END OF SCHEDULE O

Return Reference	Explanation
FORM 990, PART VI, LINE 2	VIRGINIA G STOWERS, RICHARD W BROWN, DAVID A WELTE, WILLIAM B NEAVES, DAVID M CHAO AND RODERICK L STURGEON, ALL DIRECTORS OF SIMR, HAVE A BUSINESS RELATIONSHIP; THEY SERVE ON THE BOARD OF AMERICAN CENTURY COMPANIES, INC ("ACCI") AS DESCRIBED IN RESPONSE TO SCHEDULE L, PART IV RICHARD W BROWN, WILLIAM B NEAVES, DAVID M CHAO, RODERICK L STURGEON, AND ALBERZINE FREEMAN, DIRECTORS OF SIMR, HAVE A BUSINESS RELATIONSHIP; THEY ALL SERVE ON THE BOARD OF BIOMED VALLEY DISCOVERIES, INC , A RELATED PARTY AS DISCUSSED ON SCHEDULE R

Return Reference	Explanation
FORM 990, PART VI, LINE 11B	THE DATA AND INFORMATION NECESSARY TO PREPARE SIMR'S FORM 990 WAS COMPILED BY SIMR'S ACCOUNTING DEPARTMENT AND THEN REVIEWED BY OUR TAX ATTORNEY AT BRYAN CAVE, LLP. PRICEWATERHOUSECOOPERS ("PWC"), OUR EXTERNAL TAX PREPARERS, USE THIS INFORMATION TO PREPARE THE FORM 990. THE COMPLETED FORM 990, INCLUDING REQUIRED SCHEDULES, IS REVIEWED BY THE OFFICERS OF SIMR BEFORE IT IS FILED WITH THE IRS. AFTER THE PREPARATION AND REVIEW PROCESS DESCRIBED ABOVE, THE FORM 990, INCLUDING REQUIRED SCHEDULES, IS PROVIDED TO EACH VOTING MEMBER OF THE ORGANIZATION'S BOARD BEFORE IT IS FILED WITH THE IRS.



Return Reference	Explanation
FORM 990, PART VI, LINE 12C	SIMR HAS ADOPTED A "CONFLICTS OF INTEREST AND DIRECTOR INDEPENDENCE POLICY" EACH DIRECTOR, OFFICER, AND OTHER PERSON WHO IS IN A POSITION TO EXERCISE SUBSTANTIAL INFLUENCE OVER DECISIONS OF SIMR ARE REQUIRED TO ANNUALLY COMPLETE AND SIGN A DISCLOSURE STATEMENT THAT IS PART OF THE POLICY A COVERED PERSON MUST ALSO DISCLOSE THE EXISTENCE OF A POTENTIAL CONFLICT AND ALL MATERIAL FACTS TO THE GOVERNING BOARD AS SOON AS THE PERSON HAS KNOWLEDGE THAT A POTENTIAL CONFLICT MIGHT EXIST SIMR CONDUCTS PERIODIC AND ADHOC REVIEWS OF TRANSACTIONS AND AGREEMENTS TO INSURE THAT IT ENGAGES ONLY IN ACTIVITIES THAT ARE CONSISTENT WITH ITS TAX-EXEMPT PURPOSE.

Return Reference	Explanation
FORM 990, PART VI, LINES 15A	THE COMPENSATION FOR DAVID CHAO, THE PRESIDENT AND CEO OF SIMR, WAS ESTABLISHED PURSUANT TO THE PROCEDURES OF TREAS REG SECTION 53 4958-6, INCLUDING (1) REVIEW AND APPROVAL BY SIMRS COMPENSATION COMMITTEE COMPRISED OF INDEPENDENT PERSONS, (2) RELYING ON COMPARABILITY DATA, INCLUDING DATA PREPARED BY A NATIONALLY KNOWN COMPENSATION CONSULTANT REGARDING COMPARABLE SALARY AND BENEFITS FOR SIMILARLY QUALIFIED PERSONS IN FUNCTIONALLY COMPARABLE POSITIONS AT SIMILARLY SITUATED ORGANIZATIONS, AND (3) CONTEMPORANEOUS DOCUMENTATION AND RECORD KEEPING OF THE DELIBERATION AND DECISIONS REGARDING THE COMPENSATION ARRANGEMENT THIS PROCESS WAS LAST UNDERTAKEN IN 2012

Return Reference	Explanation
FORM 990, PART VI, LINE 19	SIMR'S GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY , AND FINANCIAL STATEMENTS ARE AVAILABLE ON REQUEST

Return Reference	Explanation
FORM 990, PART VII, SECTION A, COLUMN B	DAVID M. CHAO, OFFICER OF SIMR, AND R. SCOTT HAWLEY, EMPLOYEE OF SIMR, ALSO PERFORM SUPPORT SERVICES FOR ONE OR MORE OF THE RELATED ORGANIZATIONS DISCLOSED IN SCHEDULE R. THESE SERVICES ARE PERFORMED IN THEIR ROLE AS SIMR EMPLOYEES AND SIMR IS REIMBURSED BY THE RELATED ORGANIZATIONS.

Return Reference	Explanation
FORM 990, PART XI, LINE 9	OTHER CHANGES IN NET ASSETS INCLUDE THE FOLLOWING CHANGE IN ANNUITY RECEIVABLE, NET (390,076)

Return Reference	Explanation
FORM 990, PART III, LINE 4	2015 Program Service Accomplishments The Stowers Institute for Medical Research ("SIMR") is a private, nonprofit medical research organization. SIMR was founded in 1994 by Jim and Virginia Stowers, who each survived a bout with cancer and subsequently dedicated their fortune to supporting basic research in cell and molecular biology that will provide long-term solutions to gene-based diseases. SIMR conducts basic biomedical research in the public interest that will ultimately provide a greater understanding of the genes and proteins that control how cells in our bodies multiply, form tissues, and die. Studying the basic biology of cells enables scientists to discover how genes cause many diseases, including cancer, birth defects, and dementia. History has shown that basic medical research is often a key first step in the development of new treatments, cures, and preventions for many human diseases.

Return Reference	Explanation
FORM 990, PART III, LINE 4 CONT	<p>2015 Notable Research Results In 2015, SIMR research teams made discoveries meriting publication in leading peer-reviewed scientific journals 77 original research papers in all SIMR research teams also produced 36 other publications including reviews, commentaries, book chapters, and books Some of the highlights among papers published in 2015 include The Zertlinger Lab developed a new method to understand more precisely how transcription factors interact with DNA to control gene expression At any given time, only a subset of the genes in a given cell are expressed or "turned on" Proteins called transcription factors act as the molecular switchboard operators of the cell, binding specific sites in the DNA to flip different genes on and off Despite their importance, researchers still have difficulty identifying these transcription factor binding sites The new method, called ChIP-nexus, can precisely and reliably map these sites, and markedly outperforms previous techniques for the study of gene regulation Published March 9, 2015, in Nature Biotechnology The Conaway Lab investigated two roles of elongin A, a molecule involved in expressing traits from DNA The human genome contains about 25,000 genes that encode the instructions for building all of the proteins in the body But before construction of any protein can begin, the genetic information contained within genomic DNA must first be copied into RNA by the cells transcription machinery Elongin A can restart this machinery when it sputters or mark it to be decommissioned when it is stalled The researchers explained that understanding the signals that trigger this molecule to halt transcription could give insight into diseases that result from the process going awry Published April 15, 2015, in the Journal of Biological Chemistry The Potrowski Lab characterized the fate of specialized support cells involved in the regeneration of hair cells in zebrafish Hair cells are found in sensory structures called neuromasts, which form the sensory system fish use to orient themselves in water, and are similar to mammalian inner ear hair cells responsible for our sense of hearing Unlike the latter, however, hair cells of the fish are constantly replaced after damage or death The researchers carefully tracked individual support cells in time-lapse studies during neuromast regeneration to show that approximately half become hair cells, while the rest self-renew as support cells These lineage decisions are coordinated by interactions between the Notch and Wnt signaling pathways and are location-specific These findings may eventually be extrapolated to mammals, to help provide basic insight needed to progress towards the ultimate goal of regenerating human inner ear hair cells Published August 10, 2015, in Developmental Cell The Jaspersen Lab discovered new details about the molecular processes underlying cell division, which relies on tiny, tube-shaped structures, called spindle pole bodies (SPBs) in yeast While SPBs have been extensively studied, many questions remain about how they copy themselves Along with colleagues from the University of Colorado Boulder, the researchers combined two optical systems in a new way to get around the natural limits of optical microscopes Using this method, the team found that SPBs duplicate and form some structures at different times than once thought They also spotted a number of never-before-seen structures used in SPB duplication The technique is applicable to a wide variety of intracellular structures Published online September 15, 2015, in eLife The Workman Lab found a new link between a cell's basic life functions and its genetic operations The connection involves a protein complex named SESAME, which uses enzymes responsible for glycolysis to activate proteins that regulate genetic material Glycolysis is the first stage of cellular metabolism, the chain of biochemical reactions by which cells break down food, build proteins and amino acids, and produce energy Although their research involved yeast, the link may hold true in humans A SESAME equivalent in humans could offer insight to enable novel approaches for cancer risk prediction and treatment Published online October 29, 2015, in Molecular Cell The Linheng Li Lab discovered new insight about hematopoietic (blood-forming) stem cells, which constantly renew the bodys blood supply Hematopoietic stem cells renew themselves and differentiate into other cells, including white blood cells, red blood cells, and platelets This process requires a delicate metabolic balance that is not well understood The researchers found that the genetic locus Dlk1-Gtl2 plays a critical role in protecting hematopoietic cells by restricting metabolic activity in the cells mitochondria This discovery suggests that Gtl2 may be useful clinically as a biomarker to determine if cells are normal or potentially cancerous The locus tumor suppression qualities also may lead to future treatments targeting cancer Published online November 25, 2015, in Cell Stem Cell The Si Lab reported new findings on how memories are created and maintained in the brain, a process that involves changes in specialized brain cells called neurons and in the synapses, or junctions that separate the cells The researchers discovered a possible biochemical mechanism by which neurons create and maintain memories Using a fruit fly model system, they found that the synaptic connections where memories are stored are kept strong by the transformation of the Orb2 protein from one physical state to another The transformation changes Orb2s function so that it solidifies and strengthens the memory connections in the brain Published December 3, 2015, in Cell The Snchez Alvarado Lab reported on two studies involving planaria, which are tiny aquatic flatworms that have the ability to regenerate from a small scrap of tissue Planaria have an abundance of adult stem cells, called neoblasts, that can specialize, or differentiate, into other cell types In one study, researchers discovered that the enzyme MLL1/2 affects the development of planarian cilia, the microscopic, hair-like-structures on the organisms skin that help it swim Without the enzyme, planaria lose their cilia and stop swimming This discovery suggests that defects in the process of building cilia may begin earlier than thought, a finding that has potential implications for the detection of a broad range of human health conditions In the second study, researchers found that a gene called egr-5 plays a key role in helping neoblasts differentiate into skin cells When the activity of egr-5 was reduced, it blocked neoblast daughter cells from differentiating properly, and they did not make mature skin cells The findings uncover the critical role of egr-5 in the development of skin cells, and illustrate the complexity of this seemingly simple organism Published online October 12, 2015, in eLife and December 17, 2015, in Cell Reports</p>

Return Reference	Explanation
FORM 990, PART III, LINE 4 CONT	<p>Comprehensive Lists of 2015 Original Research Papers, Reviews, Commentaries, Chapters, and Books</p> <p>Original Research Papers</p> <p>1 MBTPS1/SKI-1/S1P proprotein convertase is required for ECM signaling and axial elongation during somitogenesis and vertebral development Achilleos A, Huffman NT, Marcinkewicz E, Seidah NG, Chen Q, Dallas SL, Trainor PA, Gorski JP Hum Mol Genet 2015,24 2884-2898 2 Co-ordinated brain and craniofacial development depend upon Patched1/XIAP regulation of cell survival Aoto K, Trainor PA Hum Mol Genet 2015,24 698-713 3 Proteins interacting with cloning scars a source of false positive protein-protein interactions Banks CAS, Boanca G, Lee ZT, Florens L, Washburn MP Sci Rep 2015,5 8530 doi 10 1038/srep08530 4 SR proteins control a complex network of RNA-processing events Bradley T, Cook ME, Blanchette M RNA 2015,21 75-92 5 Structured illumination with particle averaging reveals novel roles for yeast centrosome components during duplication Burns S, Avena JS, Unruh JR, Yu Z, Smith SE, Slaughter BD, Winey M, Jaspersen SL eLife 2015,4 doi 10 7554/eLife 08586 6 Differentiation of pluripotent stem cells to muscle fiber to model Duchenne muscular dystrophy Chal J, Oginuma M, Al Tanoury Z, Gobert B, Sumara O, Hick A, Bousson F, Zidouni Y, Mursch C, Moncuquet P, Tassy O, Vincent S, Miyazaki A, Bera A, Garnier JM, Guevara G, Hestin M, Kennedy L, Hayashi S, Drayton B, Cherrier T, Gayraud-Morel B, Gussoni E, Relaix F, Tajbakhsh S, Pourquie O NBiotechnol 2015,33 962-9 7 An Olfactory Cilia Pattern in the Mammalian Nose Ensures High Sensitivity to Odors Challis RC, Tian H, Wang J, He J, Jiang J, Chen X, Yin W, Connelly T, Ma L, Yu CR, Pluznick JL, Storm DR, Huang L, Zhao K, Ma M Curr Biol 2015,25 2503-12 8 Stably paused genes revealed through inhibition of transcription initiation by the TFIIH inhibitor triptolide Chen F, Gao X, Shilatfard A Genes Dev 2015,29 39-47 9 PAF1, a Molecular Regulator of Promoter-Proximal 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Sandell LL, Lewandoski M, Trainor PA, Colas A, Mercola M, Duester G PLoS One 2015,10 e0137894 14 Analysis of dynamic changes in retinoid-induced transcription and epigenetic profiles of murine Hox clusters in ES cells De Kumar B, Parrish ME, Slaughter BD, Unruh JR, Gogol M, Seidel C, Paulson A, Li H, Gaudenz K, Peak A, McDowell W, Fleharty B, Ahn Y, Lin C, Smith E, Shilatfard A, Krumlauf R Genome Res 2015,25 1229-1243 15 The Veiled Chameleon (Chamaeleo calyptatus Dumeril and Dumeril 1851) A Model for Studying Reptile Body Plan Development and Evolution Diaz RE, Jr , Anderson CV, Baumann DP, Kupronis R, Jewell D, Praquive C, Kupronis J, Winter K, Bertocchini F, Trainor PA Cold Spring Harb Protoc 2015,10 889-94 16 Captive Care, Raising, and Breeding of the Veiled Chameleon (Chamaeleo calyptatus) Diaz RE, Jr , Anderson CV, Baumann DP, Kupronis R, Jewell D, Praquive C, Kupronis J, Winter K, Greek TJ, Trainor PA Cold Spring Harb Protoc 2015,10 943-9 17 Hand/foot splitting and the 're-evolution' of mesopodial skeletal elements during the evolution and radiation of chameleons Diaz RE, Jr , Trainor PA BMC Evol Biol 2015,15 184 18 Set1 and MLL1/2 Target Distinct Sets of Functionally Different Genomic Loci In Vivo Duncan EM, Chitsazan AD, Seidel CW, Sanchez Alvarado A Cell Rep 2015,13 2741-2755 19 Stability of axisymmetric liquid bridges Fel L, Rubinstein B Z Angew Math Phys 2015,66 3447-3471 20 Twin Promotes the Maintenance and Differentiation of Germline Stem Cell Lineage through Modulation of Multiple Pathways Fu Z, Geng C, Wang H, Yang Z, Weng C, Li H, Deng L, Liu L, Liu N, Ni J, Xie T Cell Rep 2015,13 1366-1379 21 A Cytosolic Multiprotein Complex Containing p85alpha Is Required for beta-Catenin Activation in Colitis and Colitis-associated Cancer Goretsky T, Bradford EM, Ryu H, Tahir M, Moyer MP, Gao T, Li L, Barrett TA J Biol Chem 2016,291 4166-4177 22 Dynamics of Wolbachia pipiens Gene Expression Across the Drosophila melanogaster Life Cycle Gutzwiller F, 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Return Reference	Explanation
FORM 990, PART III, LINE 4 CONT	<p>41 Analyses of <i>fugu hoxa2</i> genes provide evidence for subfunctionalization of neural crest cell and rhombomere cis-regulatory modules during vertebrate evolution McElin JA, Alexander TB, Tumpel S, Wiedemann LM, Krumlauf R <i>Dev Biol</i> 2016,409 530-542 42 VEGF Signals induce trailblazer cell identity that Drives Neural Crest Migration McLennan R, Schumacher LJ, Morrison JA, Teddy JM, Ridenour DA, Box AC, Semerad CL, Li H, McDowell W, Kay D, Maini PK, Baker RE, Kulesa PM <i>Dev Biol</i> 2015,407 12-25 43 Neural crest migration is driven by a few trailblazer cells with a unique molecular signature narrowly confined to the invasive front McLennan R, Schumacher LJ, Morrison JA, Teddy JM, Ridenour DA, Box AC, Semerad CL, Li H, McDowell W, Kay D, Maini PK, Baker RE, Kulesa PM <i>Development</i> 2015,142 2014-2025 44 Metallothionein as a clonable tag for protein localization by electron microscopy of cells Morphew MK, O'Toole ET, Page CL, Pagratis M, 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Lakshminarasimhan M, Washburn MP, Erica Hong EJ, Walz T, Peterson CL <i>Nat Commun</i> 2015,6 7108 doi: 10.1038/ncomms8108doi: 10.1038/ncomms8108 70 Acrofacial Dysostosis, Cincinnati Type, a Mandibulofacial Dysostosis Syndrome with Limb Anomalies, Is Caused by POLR1A Dysfunction Weaver KN, Watt KE, Hufnagel RB, Navajas Acedo J, Linscott LL, Sund KL, Bender PL, König R, Lourenco CM, Hehr U, Hopkin RJ, Lohmann DR, Trainor PA, Wieczorek D, Saal HM <i>Am J Hum Genet</i> 2015,96 765-774 71 Assembly of the Elongin A Ubiquitin Ligase Is Regulated by Genotoxic and Other Stresses Weems JC, Slaughter BD, Unruh JR, Hall SM, McLaird MB, Gilmore JM, Washburn MP, Florens L, Yasukawa T, Aso T, Conaway JW, Conaway RC <i>J Biol Chem</i> 2015,290 15030-15041 72 L-leucine partially rescues translational and developmental defects associated with zebrafish models of Cornelia de Lange syndrome Xu B, Sow a N, Cardenas ME, Gerton JL <i>Hum Mol Genet</i> 2015,24 1540-1555 73 CyclinA2-Cyclin-dependent Kinase Regulates SAMHD1 Protein Phosphohydrolase Domain Yan J, Hao C, DeLucia M, Swanson S, Florens L, Washburn MP, Ahn J, Skowronski J <i>J Biol Chem</i> 2015,209 13279-13292 74 NIPBL controls RNA biogenesis to prevent activation of the stress kinase PKR Yuen KC, Xu B, Krantz ID, Gerton JL <i>Cell Rep</i> 2016,14 93-102 75 The SMC loader Scc2 regulates gene expression Zakari M, Gerton JL <i>Cell Cycle</i> 2015,14 943 76 Improving label-free quantitative proteomics strategies by distributing shared peptides and stabilizing variance Zhang Y, Wen Z, Washburn MP, Florens L <i>Anal Chem</i> 2015,87 4749-4756 77 Single-Cell Based Quantitative Assay of Chromosome Transmission Fidelity Zhu J, Heinecke D, Mulla W, Bradford WD, Rubinstein B, Box A, Haug JS, Li R <i>G3 (Bethesda)</i> 2015,5 1043-56</p>

Return Reference	Explanation
FORM 990, PART III, LINE 4 CONT	<p>Reviews, Commentaries, Chapters, and Books</p> <p>1 Mouse Models of Rare Craniofacial Disorders Achilleos A, Trainor PA Curr Top Dev Biol 2015,115 413-458</p> <p>2 Types or States? Cellular Dynamics and Regenerative Potential Adler CE, Snchez Alvarado A Trends Cell Biol 2015 25 687-96</p> <p>3 Signaling in tooth, hair, and mammary placodes Ahn Y Curr Top Dev Biol 2015,111 421-459</p> <p>4 Decapentaplegic and growth control in the developing Drosophila wing Akiyama T, Gibson MC Nature 2015,527 375-378</p> <p>5 Morphogen transport theoretical and experimental controversies Akiyama T, Gibson MC Wiley Interdiscip Rev Dev Biol 2015,4 99-112 doi 10.1002/wdev.167</p> <p>6 Mef2c-F10N enhancer driven beta-galactosidase (LacZ) and Cre recombinase mice facilitate analyses of gene function and lineage fate in neural crest cells Aoto K, Sandell LL, Butler Tjaden NE, Yuen KC, Watt KE, Black BL, Durnin M, Trainor PA Dev Biol 2015,402 3-16</p> <p>7 Cori meets Dobzhansky Evolution and Gene Expression in St Louis Arnosti DN, Fay JC, Zeitlinger J A report on the "Evolution and Core Processes in Gene Regulation" meeting in St Louis, June 25-28, 2015 BioEssays 2015,37 1042-1044</p> <p>8 Conference Report Backeljauw PF, Bondy C, Chernausk SD, Cernich JT, Cole DA, Fasciano LP, Foodim J, Hawley S, Hong DS, Knickmeyer RC, Kruszka P, Lin AE, Lippe BM, Lorigan GA, Maslen CL, Mauras N, Page DC, Pemberton VL, Prakash SK, Quigley CA, Ranallo KC, Reiss AL, Sandberg DE, Scurlock C, Silberbach M Proceedings from the Turner Resource Network symposium the crossroads of health care research and health care delivery Am J Med Genet A 2015,167A 1962-1971</p> <p>9 Animal models for studying neural crest development is the mouse different? Barriga EH, Trainor PA, Bronner M, Mayor R Development 2015,142 1555-1560</p> <p>10 Orchestrating transcription with the Pol II CTD Conaway RC, Conaway JW Nat Rev Mol Cell Biol 2015,16 128</p> <p>11 A high-throughput platform for stem cell niche co-cultures and downstream gene expression analysis Gracz AD, Williamson IA, Roche KC, Johnston MJ, Wang F, Wang Y, Attayek PJ, Balowski J, Liu XF, Laurenza RJ, Gaynor LT, Sims CE, Galanko JA, Li L, Allbritton NL, Magness ST Nat Cell Biol 2015,17 340-349</p> <p>12 Immunogold Labeling for Electron Microscopy Strategy and Problem Solving Guo F, Huang BQ In ECT Yeung, C Stasolla, MJ Sumner, and BQ Huang, eds Plant Microtechniques and Protocols Springer International Publishing, 2015 225-249</p> <p>13 Tracing myoblast fusion in Drosophila embryos by fluorescent actin probes Haralalka S, Abmayr SM Methods Mol Biol 2015,1313 149-164</p> <p>14 Sec66-Dependent Regulation of Yeast Spindle-Pole Body Duplication Through Pom152 Katta SS, Chen J, Gardner JM, Friederichs JM, Smith SE, Gogol M, Unruh JR, Slaughter BD, Jaspersen SL Genetics 2015,201 1479-1495</p> <p>15 Neural crest migration trailblazing ahead Kulesa PM, McLennan R F1000prime reports 2015,7 02</p> <p>16 Neural crest cell evolution how and when did a neural crest cell become a neural crest cell Munoz WA, Trainor PA Curr Top Dev Biol 2015,111 3-26</p> <p>17 Epithelial cell division aurora kicks lgl to the cytoplasmic curb Nakajima Y, Gibson MC Curr Biol 2015,25 R43-45</p> <p>18 Discovery of Parthenogenesis in Lizards Neaves W In J Ruheubert, D Seiegel, and S Trauth, eds The Reproductive Biology and Phylogeny of Lizards and Tuatara Boca Raton, Florida Taylor and Francis, 2015 196-212</p> <p>19 The Mighty Chondrocyte No Bones about It Purcell P, Trainor PA J Dent Res 2015,94 1625-7</p> <p>20 The society for craniofacial genetics and developmental biology 37th annual meeting Richtsmeier JT, Jones MC, Lozanoff S, Trainor PA Am J Med Genet A 2015,167 2015-1455-2073</p> <p>21 SmedGD 2.0 The Schmidtea mediterranea genome database Robb SM, Gotting K, Ross E, Snchez Alvarado A Genesis 2015,53 535-546</p> <p>22 Epithelia migration A spatiotemporal interplay between contraction and adhesion Rubinstein B, Pinto IM Cell Adh Migr 2015 1-5</p> <p>23 Stem Cells Matter in Response to Fasting Sailaja BS, He XC, Li L Cell Rep 2015,13 2325-2326</p> <p>24 Unravelling a can of worms Snchez Alvarado A eLife 2015,4 doi 10.7554/eLife.07431</p> <p>25 Prions What Are They Good For? Si K Annu Rev Cell Dev Biol 2015,31 149-169</p> <p>26 Cohesin and human disease lessons from mouse models Singh VP, Gerton JL Curr Opin Cell Biol 2015,37 9-17</p> <p>27 Organogenesis special issue - preface Trainor PA, Johnson RL Dev Dyn 2015,244 225-226</p> <p>28 Facing up to the challenges of advancing Craniofacial Research Trainor PA, Richtsmeier JT Am J Med Genet A 2015,167 1451-1454</p> <p>29 Histone exchange, chromatin structure and the regulation of transcription Venkatesh S, Workman JL Nat Rev Mol Cell Biol 2015,16 178-189</p> <p>30 The H-Index of 'An Approach to Correlate Tandem Mass Spectral Data of Peptides with Amino Acid Sequences in a Protein Database' Washburn MP J Am Soc Mass Spectrom 2015,26 1799-803</p> <p>31 Ribosomopathies Global process, tissue specific defects Yelick PC, Trainor PA Rare Dis 2015,3 e1025185</p> <p>32 TRICK or TRP? What Trpc2-/- mice tell us about vomeronasal organ mediated innate behaviors Yu CR Frontiers Neurosci 2015,9 221 doi 10.3389/fnins.2015.00221</p> <p>33 The SMC Loader Scc2 Promotes ncRNA Biogenesis and Translational Fidelity Zakari M, Trimble Ross R, Peak A, Blanchette M, Seidel C, Gerton JL PLoS Genet 2015,11 E1005308 doi 10.1371/journal.pgen.1005308</p> <p>34 Etiology and pathogenesis of the cohesinopathies Zakari M, Yuen K, Gerton JL Wiley Interdiscip Rev Dev Biol 2015,4 489-504</p> <p>35 Osteoblast ablation burns out functional stem cells Zhao M, Li L Blood 2015,125 2590-2591</p> <p>36 Regulation of hematopoietic stem cells in the niche Zhao M, Li L Sci China Life Sci 2015,58 1209-15</p>

Return Reference	Explanation
FORM 990, PART III, LINE 4 CONT	<p>Competitive Research Grant Funding &amp; Research Awards &amp; Distinctions The ability of Stowers Institute scientists to receive increasing numbers of competitively awarded research grants attests to the high level of research productivity present at the Institute During 2015, Stowers scientists worked with the support of 32 grants and fellowships from the National Institutes of Health, three grants and fellowships from the American Cancer Society, one grant from the March of Dimes, one fellowship from the American Heart Association, one grant from Alexs Lemonade Stand Foundation, one grant from the Cornelia de Lange Syndrome Foundation, one award from the American Hematology Society, one award from the Leukemia &amp; Lymphoma Society, one grant from the Greater Kansas City Community Foundation, one grant from the Hearing Health Foundation, one award from the Midwest Cancer Alliance, and two investigator awards from the Howard Hughes Medical Institute Grant support from new and continuing awards to the Stowers Institute totaled more than \$5.6 million in 2015 to supplement income from its endowments</p> <p>Testifying to the high level of achievement taking place at the Institute are the awards and honors Institute members received in 2015 - Alejandro Sanchez Alvarado, Ph.D., was elected to the American Academy of Arts and Sciences - Ron Yu, Ph.D., received a grant from the National Institute on Deafness and Other Communication Disorders of the National Institutes of Health - Matthew Gibson, Ph.D., received a grant from the National Institute of General Medical Sciences of the National Institutes of Health - Tatjana Potrowski, Ph.D., was awarded additional grant funds from the Hearing Health Foundation - Scott Hawley, Ph.D., received a Research Service Award from the High Plains Division of the American Cancer Society - Paul Kulesa, Ph.D., received a grant from the National Institute of Neurological Disorders and Stroke at the National Institutes of Health and an Innovation Grant from Alexs Lemonade Stand Foundation - Jay Unruh, Ph.D., received the Young Fluorescence Investigator Award from the Biophysical Society - Pengxu Qian, Ph.D., received a Scholar Award from the American Society of Hematology - Guangbo Chen, Ph.D., received the Kaluza Prize for Excellence in Graduate Education from the American Society of Cell Biology - Maggie Pruitt received a Ruth L. Kirchstein Predoctoral Individual National Research Service Award from the National Cancer Institute of the National Institutes of Health - Chuankai Zhou was awarded the Norton B. Gilula Award by the American Society of Cell Biology</p> <p>Independent Research Program Leaders Laboratories Individual scientists at the Stowers Institute specialize in the study of one or more particular genes, each of which may cause or have influence in various kinds of disease</p> <p>A comprehensive list of research leaders follows - Robert Krumlauf, Ph.D., Scientific Director and Investigator, joined the Stowers Institute in 2000 from Englands National Institute for Medical Research, The Ridgeway, Mill Hill, London, where he was head of the Division of Developmental Neurobiology Dr. Krumlauf received a Ph.D. in developmental biology from Ohio State University</p> <p>Research Focus Analysis of molecular pathways that regulate how the mammalian head, brain and nervous system are built, using a variety of vertebrate model systems - Peter Baumann, Ph.D., Investigator and Howard Hughes Medical Institute Investigator, joined the Stowers Institute in 2002 after completing a Howard Hughes Medical Institute postdoctoral fellowship in the laboratory of Dr. Thomas R. Cech at the University of Colorado-Boulder Dr. Baumann received a Ph.D. in biochemistry from the Imperial Cancer Research Fund and University College, London</p> <p>Research Focus Functional analysis of telomeres and their roles in cellular immortality and cancer - Joan Conaway, Ph.D., Investigator, joined the Stowers Institute in 2001 from the Oklahoma Medical Research Foundation where she was an Associate Investigator of the Howard Hughes Medical Institute and interim head of the program in Molecular and Cell Biology Dr. Conaway received her doctorate in cell biology from Stanford University School of Medicine</p> <p>Research Focus Analysis of the molecular mechanism and regulation of gene transcription - Ronald Conaway, Ph.D., Investigator, joined the Stowers Institute in 2001 from the Oklahoma Medical Research Foundation where he was holder of the Chapman Chair in Medical Research Dr. Conaway received his Ph.D. in biochemistry from Stanford University School of Medicine</p> <p>Research Focus Analysis of the molecular mechanism and regulation of gene transcription - Jennifer Gerton, Ph.D., Investigator, joined the Stowers Institute in 2002 from a postdoctoral fellowship in the laboratory of Dr. Joseph DeRisi in the Department of Biochemistry and Biophysics at the University of California-San Francisco Dr. Gerton received a Ph.D. in microbiology and immunology from Stanford University</p> <p>Research Focus Genomic and genetic analysis of chromosome segregation and chromosome dynamics - Matthew Gibson, Ph.D., Associate Investigator, joined the Stowers Institute in 2006 from a Jane Coffin Childs Memorial Fund postdoctoral fellowship with Dr. Norbert Perrimon at Harvard Medical School Dr. Gibson received a Ph.D. in zoology from the University of Washington</p> <p>Research Focus Genetic analysis of mechanisms controlling signal transduction, cell proliferation, and epithelial morphogenesis during Drosophila development - Randal Halfmann, Ph.D., Assistant Investigator, joined the Stowers Institute in 2015 from The University of Texas (UT) Southwestern Medical Center He received a Ph.D. in biology from the Massachusetts Institute of Technology, where he was a National Science Foundation Predoctoral Fellow After completing his graduate studies, Dr. Halfmann obtained an independent position at UT Southwestern Medical Center where he was a Sara and Frank McKnight Fellow and received a Directors Early Independence Award from the National Institutes of Health</p> <p>Research Focus Cellular and evolutionary implications of protein self-assembly using genetic, biochemical, and cell-biological approaches - R. Scott Hawley, Ph.D., Investigator, joined the Stowers Institute in 2001 from the University of California-Davis where he was a professor of genetics in the Molecular and Cellular Biology section Dr. Hawley earned a Ph.D. in genetics from the University of Washington and completed postdoctoral training as a Helen Hay Whitney Fellow at the Institute for Cancer Research in Philadelphia</p> <p>Research Focus Investigation of mechanisms that influence how chromosomes pair and segregate during meiosis using Drosophila as an experimental system - Sue Jaspersen, Ph.D., Associate Investigator, joined the Stowers Institute in 2005 from the laboratory of Dr. Mark Winey at the University of Colorado-Boulder where she was a Keck Foundation Fellow, a Helen Hay Whitney Fellow, and the recipient of a Leukemia &amp; Lymphoma Society Career Development Award Dr. Jaspersen holds a Ph.D. in biochemistry from the University of California-San Francisco</p> <p>Research Focus Inner nuclear membrane protein localization and role in chromosome positioning and segregation - Linheng Li, Ph.D., Investigator, joined the Stowers Institute in 2000 from the University of Washington Medical Center where he held a faculty appointment after completing postdoctoral training in the laboratory directed by Dr. Leroy Hood Dr. Li earned his Ph.D. in molecular and cellular biology from New York University Medical School under the mentoring of Dr. Edward Ziff</p> <p>Research Focus Investigation of molecular and genetic pathways controlling adult stem cell development in the hematopoietic and intestinal systems using transgenic and gene targeting animal model approaches - Rong Li, Ph.D., Investigator, joined the Stowers Institute in 2005 from the Department of Cell Biology at Harvard Medical School where she served as an Associate Professor She earned a Ph.D. in cell biology at the University of California-San Francisco with Dr. Andrew Murray and held a Damon Runyon-Walter Winchell Cancer Research Fellowship as a postdoctoral associate with Dr. David Drubin at the University of California-Berkeley</p> <p>Research Focus Mechanism of cell polarization and cell motility, genome dynamics and cellular evolvability, and epithelial tissue morphogenesis - Tatjana Potrowski, Ph.D., Associate Investigator, joined the Stowers Institute in 2011 from the University of Utahs School of Medicine, where she was an associate professor in the Department of Neurobiology and Anatomy She received her masters degree from the University of Tübingen, Germany, and her doctorate degree from the Max Planck Institute for Developmental Biology in Tübingen</p> <p>Research Focus Collective cell migration, cell type specification and stem cell biology in zebrafish as a model system</p>

Return Reference	Explanation
FORM 990, PART III, LINE 4 CONT	<p>- Nicolas Rohner, Ph D , Assistant Investigator, joined the Stowers Institute in 2015 from Harvard Medical School, where he was a postdoctoral fellow in Dr. Cliff Tabins laboratory. He earned a Ph D in biology from the Max Planck Institute for Developmental Biology in Tübingen, Germany. Research Focus: Genetic mechanisms and mutations that underlie the animal kingdoms tremendous diversity in morphology, physiology, and behavior.</p> <p>- Alejandro Snchez Alvarado, Ph D , Investigator and Howard Hughes Medical Institute Investigator, joined the Stowers Institute in 2011 from the University of Utahs School of Medicine, where he held the H.A. &amp; Edna Benning Professorship of Neurobiology and Anatomy. He received a B.S. in molecular biology and chemistry from Vanderbilt University in Nashville, Tenn., and a Ph D in pharmacology and cell biophysics from the University of Cincinnati College of Medicine in Cincinnati, Ohio. Research Focus: The molecular and cellular mechanisms underpinning animal regeneration using the planarian <i>Schmidtea mediterranea</i> as a model system.</p> <p>- Kausik Si, Ph D , Associate Investigator, joined the Stowers Institute in 2005 from the laboratory of Dr. Eric Kandel at Columbia University Center for Neurobiology and Behavior where he was a Jane Coffin Childs Fellow and a Francis Goelet Fellow in Neuroscience. Dr. Si earned a Ph D in molecular biology from the Albert Einstein College of Medicine. Research Focus: Role of synaptic protein synthesis in information acquisition and memory storage.</p> <p>- Paul Trainor, Ph D , Investigator, joined the Stowers Institute in 2001 from a research position at the National Institute for Medical Research at Mill Hill, London, where he completed postdoctoral training. Dr. Trainor has a Ph D in developmental biology from Childrens Medical Research Institute at the University of Sydney, Australia. Research Focus: Investigation of the interactions between distinct tissues in the body and their regulation during normal development to reveal pathways that regulate normal cranial and facial development.</p> <p>- Jerry Workman, Ph D , Investigator, joined the Stowers Institute in 2003 from the Pennsylvania State University where he held the Paul Berg Professorship of Biochemistry and was an Associate Investigator of the Howard Hughes Medical Institute. Dr. Workman earned a Ph D in cell and molecular biology from the University of Michigan and completed postdoctoral training at the Rockefeller University with Dr. Bob Roeder. Research Focus: Study of the protein complexes that modify chromatin.</p> <p>- Ting Xie, Ph D , Investigator, joined the Stowers Institute in 2000 after completing a Howard Hughes Medical Institute postdoctoral fellowship in the laboratory of Dr. Allan C. Spradling at the Carnegie Institution of Washington. Dr. Xie received his Ph D from the Joint Graduate Program in Molecular Biology and Biochemistry of Rutgers University and the University of Medicine and Dentistry of New Jersey. Research Focus: Genetic and molecular analysis of stem cells and germ cell development in <i>Drosophila</i> and mouse.</p> <p>- C. Ron Yu, Ph D , Associate Investigator, joined the Stowers Institute in 2005 from the laboratory of Dr. Richard Axel at Columbia University Center for Neurobiology and Behavior where he held a National Institutes of Health Mentored Research Scientist Award from the National Institute of Mental Health. Dr. Yu earned his Ph D in molecular, cellular, and biophysical studies at Columbia University. Research Focus: How olfactory sensory information is detected, integrated, and processed in the brain to influence specific innate behaviors.</p> <p>- Julia Zeitlinger, Ph D , Associate Investigator, joined the Stowers Institute in 2007 from the lab of Dr. Richard Young at the Whitehead Institute for Biomedical Research at Massachusetts Institute of Technology where she was the recipient of a long-term postdoctoral fellowship from the Human Frontier Science Program. Dr. Zeitlinger earned a Ph D in molecular biology from the European Molecular Biology Laboratory in Heidelberg, Germany. Research Focus: Analysis of the gene regulatory networks underlying cellular differentiation.</p> <p>Technology Centers - Paul Kulesa, Ph D , Director of Imaging, joined the Stowers Institute in 2002 after completing a Burroughs Wellcome Fund postdoctoral fellowship in the laboratory of Dr. Scott E. Fraser at the California Institute of Technology. Dr. Kulesa received a Ph D in applied mathematics under Dr. J.D. Murray at the University of Washington. Research Focus: Cell migration in development and cancer.</p> <p>- Michael Washburn, Ph D , Director of Proteomics, joined the Stowers Institute in 2003 from the Torrey Mesa Research Institute in San Diego where he was a Senior Staff Scientist in Proteomics. He earned a Ph D in biochemistry and environmental toxicology from Michigan State University before completing a postdoctoral fellowship with Professor John Yates, III in the Department of Molecular Biotechnology at the University of Washington. Research Focus: Quantitative proteomics and protein complex dynamics.</p>

SCHEDULE R  
(Form 990)

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](http://www.irs.gov/form990).

OMB No 1545-0047

2015

Open to Public Inspection

Department of the Treasury  
Internal Revenue Service

Name of the organization  
STOWERS INSTITUTE FOR MEDICAL RESEARCH

Employer identification number  
20-2993509

Part I

Identification of Disregarded Entities

Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(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
(1)STOWERS SCIENTIFIC EDUCATION INSTITUTE 1000 EAST 50TH STREET  KANSAS CITY, MO 64110 20-5916445	SUPPORT ORG	DE	501(C)(3)	11A-TYPE I	SIMR	Yes	
(2)STOWERS RESOURCE MANAGEMENTINC 1000 EAST 50TH STREET  KANSAS CITY, MO 64110 41-2186719	SUPPORT ORG	DE	501(C)(3)	11A-TYPE I	SIMR	Yes	
(3)BIOMED VALLEY CORPORATION 1000 EAST 50TH STREET  KANSAS CITY, MO 64110 74-3238244	SUPPORT ORG	DE	501(C)(3)	11A-TYPE I	SIMR	Yes	
(4)STOWERS REAL ESTATE HOLDING CORPORATION 1000 EAST 50TH STREET  KANSAS CITY, MO 64110 26-1472230	TITLE HOLDING	DE	501(C)(2)	N/A	SRM	Yes	
(5)STOWERS POLICY INSTITUTE INC 1000 EAST 50TH STREET  KANSAS CITY, MO 64110 20-3270502	SEE PART VII	DE	501(C)(4)	N/A	SIMR	Yes	
(6)THE GRADUATE SCHOOL OF SIMR (MO) 1000 EAST 50TH STREET  KANSAS CITY, MO 64110 46-4588696	EDUCATION	MO	501(C)(3)	2	SIMR	Yes	

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.

(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) 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	

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.

(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
BIOMED VALLEY (1)DISCOVERIESINC  1000 EAST 50TH STREET KANSAS CITY, MO 64110 06-1646533	SEE PART VII	DE	BVC	C CORP				Yes	

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

1 During the tax year, did the organization 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 . . . . .

b Gift, grant, or capital contribution to related organization(s) . . . . .

c Gift, grant, or capital contribution from related organization(s) . . . . .

d Loans or loan guarantees to or for related organization(s) . . . . .

e Loans or loan guarantees by related organization(s) . . . . .

f Dividends from related organization(s) . . . . .

g Sale of assets to related organization(s) . . . . .

h Purchase of assets from related organization(s) . . . . .

i Exchange of assets with related organization(s) . . . . .

j Lease of facilities, equipment, or other assets to related organization(s) . . . . .

k Lease of facilities, equipment, or other assets from related organization(s) . . . . .

l Performance of services or membership or fundraising solicitations for related organization(s) . . . . .

m Performance of services or membership or fundraising solicitations by related organization(s) . . . . .

n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s) . . . . .

o Sharing of paid employees with related organization(s) . . . . .

p Reimbursement paid to related organization(s) for expenses . . . . .

q Reimbursement paid by related organization(s) for expenses . . . . .

r Other transfer of cash or property to related organization(s) . . . . .

s Other transfer of cash or property from related organization(s) . . . . .

YesNo

1a Yes

1b Yes

1c Yes

1d No

1e No

1f No

1g No

1h No

1i No

1j Yes

1k Yes

1l No

1m No

1n Yes

1o Yes

1p Yes

1q Yes

1r No

1s No

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

(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
See Additional Data Table			

Schedule R (Form 990) 2015

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.

[illegible]



Part VII

Supplemental Information

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

Return Reference	Explanation
PART II, LINE 5, COLUMN B	STOWERS POLICY INSTITUTE INC ("SPI") IS AN ADVOCATE FOR A POLITICAL, ECONOMIC, AND SOCIAL ENVIRONMENT THAT ADVANCES AND PROTECTS BIOMEDICAL RESEARCH AND CURES
PART IV, LINE (1), COLUMN B	BIOMED VALLEY DISCOVERIES, INC 'S ("BVD") PRIMARY ACTIVITY IS DEVELOPMENT AND MARKETING OF SCIENTIFIC DISCOVERIES BIOMED VALLEY CORPORATION IS THE 100% SHAREHOLDER OF BVD
PART V, LINE 2 (1)	SIMR RECEIVES SUBLEASE PAYMENTS FROM BVD BASED ON COST FOR LESS THAN 300 SQ FT OF SPACE FOR A LIMITED USE PURPOSE THE RENT PAYMENTS FROM BVD TO SIMR DO NOT REDUCE BVD'S TAXABLE INCOME WHICH WOULD HAVE BEEN UBTI IF BVD WERE EXEMPT UNDER SECTION 501(c)(3) AND HAD THE SAME EXEMPT PURPOSE AS SIMR THEREFORE, NO PORTION OF THE RENT PAYMENTS FROM BVD CONSTITUTES UNRELATED BUSINESS INCOME TO SIMR UNDER SECTION 512(b)(13)
PART V, LINE 2 (2)	SIMR MADE A CONTRIBUTION TO THE GRADUATE SCHOOL OF SIMR
PART V, LINE 2 (3)	SRM PROVIDED FINANCIAL SUPPORT TO SIMR TO BE USED BY SIMR IN FURTHERANCE OF SIMR'S EXEMPT PURPOSE OF CONDUCTING MEDICAL RESEARCH
PART V, LINE 2 (4)	SSEI PROVIDED FINANCIAL SUPPORT TO SIMR TO BE USED BY SIMR IN FURTHERANCE OF SIMR'S EXEMPT PURPOSE OF CONDUCTING MEDICAL RESEARCH AND SCIENCE EDUCATION ACTIVITIES
PART V, LINE 2 (5)	BVC PROVIDED FINANCIAL SUPPORT TO SIMR TO BE USED BY SIMR IN FURTHERANCE OF SIMR'S EXEMPT PURPOSE OF CONDUCTING MEDICAL RESEARCH
PART V, LINE 2 (6)	SIMR ENTERED INTO A LEASE EFFECTIVE JANUARY 1, 2009, WITH STOWERS REAL ESTATE HOLDING CORPORATION("SREHC"), A 501(C)(2) TAX EXEMPT ORGANIZATION THAT IS A RELATED PARTY TO SIMR THE LEASE HAS AN ORIGINAL TERM OF 10 YEARS WITH PROVISION FOR ADDITIONAL OPTION YEARS FOR A 280,000 SQUARE FEET BUILDING SIMR'S LEASE PAYMENTS TO SREHC IN 2015 TOTALED \$2,230,551
PART V, LINE 2 (7)	SIMR REIMBURSED SRM FOR COSTS ASSOCIATED WITH SRM'S ADMINISTRATIVE AND SUPPORT SERVICES PROVIDED TO SIMR SRM IS A SUPPORTING ORGANIZATION TO SIMR
PART V, LINE 2 (8)	SIMR REIMBURSED BVD FOR SERVICES ON THE SERVICE COST METHOD
PART V, LINE 2 (9)	BVD REIMBURSED SIMR FOR SERVICES ON THE SERVICE COST METHOD
PART V, LINE 2 (10)	ALL OTHER TRANSACTIONS FOR LINE 1 WERE BETWEEN RELATED 501(c)(3) PUBLIC CHARITIES AND BELOW REPORTING THRESHOLDS

Additional Data

Software ID:

Software Version:

EIN: 20-2993509

Name: STOWERS INSTITUTE FOR MEDICAL RESEARCH

Form 990, Schedule R, Part II - Identification of Related Tax-Exempt Organizations

(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
STOWERS SCIENTIFIC EDUCATION INSTITUTE 1000 EAST 50TH STREET KANSAS CITY, MO 64110 20-5916445	SUPPORT ORG	DE	501(C)(3)	11A-TYPE I	SIMR	Yes	
STOWERS RESOURCE MANAGEMENT INC 1000 EAST 50TH STREET KANSAS CITY, MO 64110 41-2186719	SUPPORT ORG	DE	501(C)(3)	11A-TYPE I	SIMR	Yes	
BIOMED VALLEY CORPORATION 1000 EAST 50TH STREET KANSAS CITY, MO 64110 74-3238244	SUPPORT ORG	DE	501(C)(3)	11A-TYPE I	SIMR	Yes	
STOWERS REAL ESTATE HOLDING CORPORATION 1000 EAST 50TH STREET KANSAS CITY, MO 64110 26-1472230	TITLE HOLDING	DE	501(C)(2)	N/A	SRM	Yes	
STOWERS POLICY INSTITUTE INC 1000 EAST 50TH STREET KANSAS CITY, MO 64110 20-3270502	SEE PART VII	DE	501(C)(4)	N/A	SIMR	Yes	
THE GRADUATE SCHOOL OF SIMR (MO) 1000 EAST 50TH STREET KANSAS CITY, MO 64110 46-4588696	EDUCATION	MO	501(C)(3)	2	SIMR	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)	BIOMED VALLEY DISCOVERIES INC	A	14,612	MARKET VALUE
(1)	THE GRADUATE SCHOOL OF SIMR	B	1,300,000	MARKET VALUE
(2)	STOWERS RESOURCE MANAGEMENT INC	C	55,000,000	MARKET VALUE
(3)	STOWERS SCIENTIFIC EDUCATION INSTITUTE	C	100,000	MARKET VALUE
(4)	BIOMED VALLEY CORPORATION	C	50,530	MARKET VALUE
(5)	STOWERS REAL ESTATE HOLDINGS CORP	K	2,230,551	MARKET VALUE
(6)	STOWERS RESOURCE MANAGEMENT INC	P	20,547,087	COST REIMB
(7)	BIOMED VALLEY DISCOVERIES INC	P	270,897	COST REIMB
(8)	BIOMED VALLEY DISCOVERIES INC	Q	633,655	COST REIMB
(9)	SEE PART VII FOR ADDITIONAL INFORMATION			