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Return of Private Foundation

OMB No 1545-0052

Department of the Treasury
Internal Revenue Service

or Section 4947(a)(1) Trust Treated as Private Foundation

Do not enter social security numbers on this form as it may be made public.

Information about Form 990-PF and its separate instructions is at www.irs.gov/form990pf.

2016

Open to Public Inspection

For calendar year 2016 or tax year beginning

, and ending

Name of foundation THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE		A Employer identification number 41-1563321
Number and street (or P O box number if mail is not delivered to street address) 710 SECOND STREET SOUTH		B Telephone number 612-333-4220
Room/suite 400		C If exemption application is pending, check here <input type="checkbox"/>
City or town, state or province, country, and ZIP or foreign postal code MINNEAPOLIS, MN 55401		D 1. Foreign organizations, check here <input type="checkbox"/>
G Check all that apply: <input type="checkbox"/> Initial return <input type="checkbox"/> Initial return of a former public charity <input type="checkbox"/> Final return <input type="checkbox"/> Amended return <input type="checkbox"/> Address change <input type="checkbox"/> Name change		2. Foreign organizations meeting the 85% test, check here and attach computation <input type="checkbox"/>
H Check type of organization: <input checked="" type="checkbox"/> Section 501(c)(3) exempt private foundation <input type="checkbox"/> Section 4947(a)(1) nonexempt charitable trust <input type="checkbox"/> Other taxable private foundation		E If private foundation status was terminated under section 507(b)(1)(A), check here <input type="checkbox"/>
I Fair market value of all assets at end of year (from Part II, col (c), line 16) \$ 20,858.		F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here <input type="checkbox"/>
J Accounting method: <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual <input type="checkbox"/> Other (specify) _____		

Part I Analysis of Revenue and Expenses (The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a))		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
Revenue	1 Contributions, gifts, grants, etc., received	3,762,000.			
	2 Check <input type="checkbox"/> if the foundation is not required to attach Sch B				
	3 Interest on savings and temporary cash investments				
	4 Dividends and interest from securities				
	5a Gross rents				
	b Net rental income or (loss)				
	6a Net gain or (loss) from sale of assets not on line 10				
	b Gross sales price for all assets on line 6a				
	7 Capital gain net income (from Part IV, line 2)		0.		
	8 Net short-term capital gain			0.	
	9 Income modifications				
	10a Gross sales less returns and allowances				
b Less Cost of goods sold					
c Gross profit or (loss)					
11 Other income					
12 Total. Add lines 1 through 11	3,762,000.	0.	0.		
Operating and Administrative Expenses	13 Compensation of officers, directors, trustees, etc	50,500.	0.	0.	50,500.
	14 Other employee salaries and wages				
	15 Pension plans, employee benefits				
	16a Legal fees				
	b Accounting fees STMT 1	8,355.	0.	0.	8,355.
	c Other professional fees STMT 2	151,000.	0.	0.	151,000.
	17 Interest				
	18 Taxes				
	19 Depreciation and depletion				
	20 Occupancy				
	21 Travel, conferences, and meetings	392,061.	0.	0.	392,061.
	22 Printing and publications				
	23 Other expenses STMT 3	7,343.	0.	0.	7,343.
	24 Total operating and administrative expenses. Add lines 13 through 23	609,259.	0.	0.	609,259.
	25 Contributions, gifts, grants paid	3,149,388.			3,149,388.
26 Total expenses and disbursements. Add lines 24 and 25	3,758,647.	0.	0.	3,758,647.	
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements	3,353.				
b Net investment income (if negative, enter -0-)		0.			
c Adjusted net income (if negative, enter -0-)			0.		

7

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

Form 990-PF (2016)

41-1563321

Page 2

Part II Balance Sheets <small>Attached schedules and amounts in the description column should be for end-of-year amounts only</small>		Beginning of year	End of year		
		(a) Book Value	(b) Book Value	(c) Fair Market Value	
Assets	1 Cash - non-interest-bearing	17,505.	20,858.	20,858.	
	2 Savings and temporary cash investments				
	3 Accounts receivable ▶				
	Less: allowance for doubtful accounts ▶				
	4 Pledges receivable ▶				
	Less: allowance for doubtful accounts ▶				
	5 Grants receivable				
	6 Receivables due from officers, directors, trustees, and other disqualified persons				
	7 Other notes and loans receivable ▶				
	Less: allowance for doubtful accounts ▶				
	8 Inventories for sale or use				
	9 Prepaid expenses and deferred charges				
	10a Investments - U.S. and state government obligations				
	b Investments - corporate stock				
	c Investments - corporate bonds				
		11 Investments - land, buildings, and equipment basis ▶			
Less: accumulated depreciation ▶					
12 Investments - mortgage loans					
13 Investments - other					
14 Land, buildings, and equipment basis ▶					
Less: accumulated depreciation ▶					
15 Other assets (describe ▶)					
16 Total assets (to be completed by all filers - see the instructions. Also, see page 1, item I)		17,505.	20,858.	20,858.	
Liabilities		17 Accounts payable and accrued expenses			
		18 Grants payable			
	19 Deferred revenue				
	20 Loans from officers, directors, trustees, and other disqualified persons				
	21 Mortgages and other notes payable				
	22 Other liabilities (describe ▶)				
	23 Total liabilities (add lines 17 through 22)	0.	0.		
Net Assets or Fund Balances	Foundations that follow SFAS 117, check here <input type="checkbox"/> and complete lines 24 through 26 and lines 30 and 31.				
	24 Unrestricted				
	25 Temporarily restricted				
	26 Permanently restricted				
	Foundations that do not follow SFAS 117, check here <input checked="" type="checkbox"/> and complete lines 27 through 31.				
	27 Capital stock, trust principal, or current funds	0.	0.		
	28 Paid-in or capital surplus, or land, bldg., and equipment fund	0.	0.		
	29 Retained earnings, accumulated income, endowment, or other funds	17,505.	20,858.		
30 Total net assets or fund balances	17,505.	20,858.			
31 Total liabilities and net assets/fund balances	17,505.	20,858.			

Part III Analysis of Changes in Net Assets or Fund Balances

1 Total net assets or fund balances at beginning of year - Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	17,505.
2 Enter amount from Part I, line 27a	3,353.
3 Other increases not included in line 2 (itemize) ▶	0.
4 Add lines 1, 2, and 3	20,858.
5 Decreases not included in line 2 (itemize) ▶	0.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	20,858.

Form 990-PF (2016)

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

Form 990-PF (2016)

41-1563321 Page 3

Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)	(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a			
b	NONE		
c			
d			
e			

(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)
a			
b			
c			
d			
e			

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69

(i) F.M.V. as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any	(l) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))
a			
b			
c			
d			
e			

2 Capital gain net income or (net capital loss) { If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7 }	2	
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c). If (loss), enter -0- in Part I, line 8	3	

Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

If section 4940(d)(2) applies, leave this part blank.

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period? ☐ Yes ☒ No

If "Yes," the foundation does not qualify under section 4940(e). Do not complete this part.

1 Enter the appropriate amount in each column for each year; see the instructions before making any entries.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col. (b) divided by col. (c))
2015			
2014			
2013			
2012			
2011			

2 Total of line 1, column (d)	2	
3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years	3	
4 Enter the net value of noncharitable-use assets for 2016 from Part X, line 5	4	
5 Multiply line 4 by line 3	5	
6 Enter 1% of net investment income (1% of Part I, line 27b)	6	
7 Add lines 5 and 6	7	
8 Enter qualifying distributions from Part XII, line 4 If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions.	8	

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

Form 990-PF (2016)

41-1563321

Page 4

Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)

1a Exempt operating foundations described in section 4940(d)(2), check here <input type="checkbox"/> and enter "N/A" on line 1. Date of ruling or determination letter: _____ (attach copy of letter if necessary-see instructions)			
b Domestic foundations that meet the section 4940(e) requirements in Part V, check here <input type="checkbox"/> and enter 1% of Part I, line 27b		1	0.
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, col. (b).			
2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		2	0.
3 Add lines 1 and 2		3	0.
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		4	0.
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-		5	0.
6 Credits/Payments:			
a 2016 estimated tax payments and 2015 overpayment credited to 2016	6a		
b Exempt foreign organizations - tax withheld at source	6b		
c Tax paid with application for extension of time to file (Form 8868)	6c		
d Backup withholding erroneously withheld	6d		
7 Total credits and payments. Add lines 6a through 6d	7		0.
8 Enter any penalty for underpayment of estimated tax. Check here <input type="checkbox"/> if Form 2220 is attached	8		
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9		0.
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10		
11 Enter the amount of line 10 to be: Credited to 2017 estimated tax <input type="checkbox"/> Refunded <input type="checkbox"/>	11		

Part VII-A Statements Regarding Activities

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
1b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes (see instructions for the definition)? If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities		X
1c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. \$ 0. (2) On foundation managers. \$ 0.		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. \$ 0.		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? If "Yes," attach a detailed description of the activities		X
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes		X
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?		X
b If "Yes," has it filed a tax return on Form 990-T for this year?		
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If "Yes," attach the statement required by General Instruction T		X
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	X	
7 Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col (c), and Part XV	X	
8a Enter the states to which the foundation reports or with which it is registered (see instructions) <u>MN</u>		
b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by General Instruction G? If "No," attach explanation	X	
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2016 or the taxable year beginning in 2016 (see instructions for Part XIV)? If "Yes," complete Part XIV	X	
10 Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses		X

N/A

Form 990-PF (2016)

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

41-1563321

Part VII-A Statements Regarding Activities (continued)

	Yes	No
11 At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule (see instructions)	11	X
12 Did the foundation make a distribution to a donor advised fund over which the foundation or a disqualified person had advisory privileges? If "Yes," attach statement (see instructions)	12	X
13 Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address ► WWW.NEUROSCIENCE.MCKNIGHT.ORG	13	X
14 The books are in care of ► RICK SCOTT Telephone no. ► 612-333-4220 Located at ► 710 SECOND STREET SOUTH, STE 400, MINNEAPOLIS, MN ZIP+4 ► 55401		
15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - Check here and enter the amount of tax-exempt interest received or accrued during the year	15	N/A
16 At any time during calendar year 2016, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for FinCEN Form 114. If "Yes," enter the name of the foreign country ►	16	X

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required

File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.

	Yes	No
1a During the year did the foundation (either directly or indirectly):		
(1) Engage in the sale or exchange, or leasing of property with a disqualified person? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
(6) Agree to pay money or property to a government official? (Exception. Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
b If any answer is "Yes" to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance (see instructions)? Organizations relying on a current notice regarding disaster assistance check here ► <input type="checkbox"/>	1b	X
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2016?	1c	X
2 Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)):		
a At the end of tax year 2016, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2016? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," list the years ►		
b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement - see instructions.) N/A	2b	
c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here. ►		
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
b If "Yes," did it have excess business holdings in 2016 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969; (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest; or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Schedule C, Form 4720, to determine if the foundation had excess business holdings in 2016) N/A	3b	
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a	X
b Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2016?	4b	X

Form 990-PF (2016)

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

41-1563321

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)**5a** During the year did the foundation pay or incur any amount to:

(1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))?

☐ Yes ☒ No

(2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive?

☐ Yes ☒ No

(3) Provide a grant to an individual for travel, study, or other similar purposes?

☒ Yes ☐ No

(4) Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? (see instructions)

☐ Yes ☒ No

(5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals?

☐ Yes ☒ No**b** If any answer is "Yes" to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance (see instructions)?

5b

X

Organizations relying on a current notice regarding disaster assistance check here

☒**c** If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant?

N/A

☐ Yes ☐ No

If "Yes," attach the statement required by Regulations section 53.4945-5(d)

6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?☐ Yes ☒ No

6b

X

b Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract?

If "Yes" to 6b, file Form 8870

7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?☐ Yes ☒ No

7b

b If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?

N/A

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors**1 List all officers, directors, trustees, foundation managers and their compensation.**

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
SEE STATEMENT 4		50,500.	0.	0.

2 Compensation of five highest-paid employees (other than those included on line 1). If none, enter "NONE."

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
NONE				

Total number of other employees paid over \$50,000

0

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors *(continued)*

3 Five highest-paid independent contractors for professional services. If none, enter "NONE."

[illegible]

Total number of others receiving over \$50,000 for professional services

Part IX-A	Summary of Direct Charitable Activities
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List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.		Expenses
1	SEE STATEMENT 5	355,226.
2		
3		
4		

Part IX-B Summary of Program-Related Investments

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.

Summary of Program-Related Investments		Amount
Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.		
1	N/A	
2		
All other program-related investments. See instructions.		
3		
Total. Add lines 1 through 3		0.

Form **990-PF** (2016)

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

Form 990-PF (2016)

41-1563321 Page 8

Part X Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see instructions.)

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	0.
b	Average of monthly cash balances	1b	843,038.
c	Fair market value of all other assets	1c	
d	Total (add lines 1a, b, and c)	1d	843,038.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	0.
2	Acquisition indebtedness applicable to line 1 assets	2	0.
3	Subtract line 2 from line 1d	3	843,038.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	12,646.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	830,392.
6	Minimum investment return. Enter 5% of line 5	6	41,520.

Part XI Distributable Amount (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations check here ☒ and do not complete this part.)

1	Minimum investment return from Part X, line 6	1	
2a	Tax on investment income for 2016 from Part VI, line 5	2a	
b	Income tax for 2016. (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	
4	Recoveries of amounts treated as qualifying distributions	4	
5	Add lines 3 and 4	5	
6	Deduction from distributable amount (see instructions)	6	
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	

Part XII Qualifying Distributions (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26	1a	3,758,647.
b	Program-related investments - total from Part IX-B	1b	0.
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	3,758,647.
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b	5	0.
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	3,758,647.

Note: The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.

Form 990-PF (2016)

Part XIII Undistributed Income (see instructions)

N/A

	(a) Corpus	(b) Years prior to 2015	(c) 2015	(d) 2016
1 Distributable amount for 2016 from Part XI, line 7				
2 Undistributed income, if any, as of the end of 2016				
a Enter amount for 2015 only				
b Total for prior years:				
3 Excess distributions carryover, if any, to 2016:				
a From 2011				
b From 2012				
c From 2013				
d From 2014				
e From 2015				
f Total of lines 3a through e				
4 Qualifying distributions for 2016 from Part XII, line 4: ► \$				
a Applied to 2015, but not more than line 2a				
b Applied to undistributed income of prior years (Election required - see instructions)				
c Treated as distributions out of corpus (Election required - see instructions)				
d Applied to 2016 distributable amount				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2016 (If an amount appears in column (d), the same amount must be shown in column (a))				
6 Enter the net total of each column as indicated below:				
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5				
b Prior years' undistributed income. Subtract line 4b from line 2b				
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed				
d Subtract line 6c from line 6b. Taxable amount - see instructions				
e Undistributed income for 2015. Subtract line 4a from line 2a. Taxable amount - see instr.				
f Undistributed income for 2016. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2017				
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)				
8 Excess distributions carryover from 2011 not applied on line 5 or line 7				
9 Excess distributions carryover to 2017. Subtract lines 7 and 8 from line 6a				
10 Analysis of line 9:				
a Excess from 2012				
b Excess from 2013				
c Excess from 2014				
d Excess from 2015				
e Excess from 2016				

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

Form 990-PF (2016)

41-1563321 Page 10

Part XIV Private Operating Foundations (see instructions and Part VII-A, question 9)

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2016, enter the date of the ruling ▶

b Check box to indicate whether the foundation is a private operating foundation described in section ☒ 4942(j)(3) or ☐ 4942(j)(5)

	Tax year				(e) Total
	(a) 2016	(b) 2015	(c) 2014	(d) 2013	
2 a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed	0.	0.	0.	0.	0.
b 85% of line 2a	0.	0.	0.	0.	0.
c Qualifying distributions from Part XII, line 4 for each year listed	3,758,647.	3,710,738.	3,713,180.	3,652,814.	14,835,379.
d Amounts included in line 2c not used directly for active conduct of exempt activities	3,149,388.	3,148,679.	3,149,931.	3,150,000.	12,597,998.
e Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c	609,259.	562,059.	563,249.	502,814.	2,237,381.
3 Complete 3a, b, or c for the alternative test relied upon:					
a "Assets" alternative test - enter:					
(1) Value of all assets	0.	0.	0.	0.	0.
(2) Value of assets qualifying under section 4942(j)(3)(B)(i)	0.	0.	0.	0.	0.
b "Endowment" alternative test - enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed	27,680.	15,978.	14,093.	7,973.	65,724.
c "Support" alternative test - enter:					
(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)	3,762,000.	3,721,000.	3,704,000.	3,661,200.	14,848,200.
(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)					0.
(3) Largest amount of support from an exempt organization	3,762,000.	3,721,000.	3,704,000.	3,661,200.	14,848,200.
(4) Gross investment income					0.

Part XV Supplementary Information (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year-see instructions.)

1 Information Regarding Foundation Managers:

a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2).)

NONE

b List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest.

NONE

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:

Check here ☐ if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc. (see instructions) to individuals or organizations under other conditions, complete items 2a, b, c, and d.

a The name, address, and telephone number or e-mail address of the person to whom applications should be addressed:

SEE STATEMENT 6

b The form in which applications should be submitted and information and materials they should include:

SEE STATEMENT 6

c Any submission deadlines:

SEE STATEMENT 6

d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

SEE STATEMENT 6

THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE

Form 990-PF (2016)

41-1563321 Page 11

Part XV Supplementary Information (continued)

3 Grants and Contributions Paid During the Year or Approved for Future Payment				
Recipient	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
Name and address (home or business)				
a Paid during the year				
SEE STATEMENT 7	NONE		TO SUPPORT RESEARCH IN NEUROSCIENCE	3,149,388.
Total			3a	3,149,388.
b Approved for future payment				
SEE STATEMENT 7	NONE		TO SUPPORT RESEARCH IN NEUROSCIENCE	2,400,000.
Total			3b	2,400,000.

Form 990-PF (2016)

Part XVII Information Regarding Transfers To and Transactions and Relationships With Noncharitable Exempt Organizations

- | | | Yes | No |
|---|---|-------|----|
| 1 | Did the organization directly or indirectly engage in any of the following with any other organization described in section 501(c) of the Code (other than section 501(c)(3) organizations) or in section 527, relating to political organizations? | | |
| | a Transfers from the reporting foundation to a noncharitable exempt organization of: | | |
| | (1) Cash | 1a(1) | X |
| | (2) Other assets | 1a(2) | X |
| | b Other transactions. | | |
| | (1) Sales of assets to a noncharitable exempt organization | 1b(1) | X |
| | (2) Purchases of assets from a noncharitable exempt organization | 1b(2) | X |
| | (3) Rental of facilities, equipment, or other assets | 1b(3) | X |
| | (4) Reimbursement arrangements | 1b(4) | X |
| | (5) Loans or loan guarantees | 1b(5) | X |
| (6) Performance of services or membership or fundraising solicitations | 1b(6) | X | |
| c Sharing of facilities, equipment, mailing lists, other assets, or paid employees | 1c | X | |
| d If the answer to any of the above is "Yes," complete the following schedule. Column (b) should always show the fair market value of the goods, other assets, or services given by the reporting foundation. If the foundation received less than fair market value in any transaction or sharing arrangement, show in column (d) the value of the goods, other assets, or services received. | | | |

[illegible]

- 2a** Is the foundation directly or indirectly affiliated with, or related to, one or more tax-exempt organizations described in section 501(c) of the Code (other than section 501(c)(3)) or in section 527? ☐ Yes ☒ No
- b** If "Yes," complete the following schedule.

(a) Name of organization	(b) Type of organization	(c) Description of relationship
N/A		

**Sign
Here**

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 taxpayer) is based on all information of which preparer has any knowledge.

Signature of officer or trustee

15.12.17
Date

VP - Finance
Title

May the IRS discuss this return with the preparer shown below (see instr)?

☒ Yes ☐ No

**Paid
Preparer
Use Only**

Print/Type preparer's name

DAVID TRIMNER

Preparer's signature



Date _____

5-10-2017

Check ☐
self-employed

PTIN

P00444822

Firm's name ► CLIFTON LARSON ALLEN LLP

Firm's EIN ▶ 41-0746749

Firm's address ▶ 220 SOUTH SIXTH STREET, SUITE 300
MINNEAPOLIS, MN 55402

Phone no. 612-376-4500

Form **990-PF** (2016)

Schedule B
(Form 990, 990-EZ,
or 990-PF)
Department of the Treasury
Internal Revenue Service

Schedule of Contributors

▶ Attach to Form 990, Form 990-EZ, or Form 990-PF.
▶ Information about Schedule B (Form 990, 990-EZ, or 990-PF) and
its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2016

Name of the organization

THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE

Employer identification number

41-1563321

Organization type (check one)

Filers of:

Section:

Form 990 or 990-EZ

☐ 501(c)() (enter number) organization

☐ 4947(a)(1) nonexempt charitable trust **not** treated as a private foundation

☐ 527 political organization

Form 990-PF

☒ 501(c)(3) exempt private foundation

☐ 4947(a)(1) nonexempt charitable trust treated as a private foundation

☐ 501(c)(3) taxable private foundation

Check if your organization is covered by the **General Rule** or a **Special Rule**.

Note: Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.

General Rule

- ☒ For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling \$5,000 or more (in money or property) from any one contributor. Complete Parts I and II. See instructions for determining a contributor's total contributions.

Special Rules

- ☐ For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of (1) \$5,000 or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h, or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year. ▶ \$ _____

Caution: An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2, of its Form 990, or check the box on line H of its Form 990-EZ or on its Form 990-PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990, 990-EZ, or 990-PF. Schedule B (Form 990, 990-EZ, or 990-PF) (2016)

Name of organization

**THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE**

Employer identification number

41-1563321**Part I Contributors** (See instructions). Use duplicate copies of Part I if additional space is needed

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1	THE MCKNIGHT FOUNDATION 710 SECOND STREET SO., SUITE 400 MINNEAPOLIS, MN 55401	\$ 3,762,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions)

Name of organization THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE	Employer identification number 41-1563321
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Part II Noncash Property (See instructions). Use duplicate copies of Part II if additional space is needed

(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	

Name of organization

THE MCKNIGHT ENDOWMENT FUND FOR
NEUROSCIENCE

Employer identification number

41-1563321

Part III Exclusively religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor. Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of exclusively religious, charitable, etc., contributions of \$1,000 or less for the year (Enter this info once) ▶ \$ _____

Use duplicate copies of Part III if additional space is needed

(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee

FORM 990-PF	ACCOUNTING FEES	STATEMENT	1
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
ACCOUNTING FEES	8,355.	0.	0.	8,355.
TO FORM 990-PF, PG 1, LN 16B	8,355.	0.	0.	8,355.

FORM 990-PF	OTHER PROFESSIONAL FEES	STATEMENT	2
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
ADMINISTRATIVE SERVICE FEES	100,000.	0.	0.	100,000.
COMMITTEE MEMBER FEES	51,000.	0.	0.	51,000.
TO FORM 990-PF, PG 1, LN 16C	151,000.	0.	0.	151,000.

FORM 990-PF	OTHER EXPENSES	STATEMENT	3
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
POSTAGE AND SHIPPING	2,118.	0.	0.	2,118.
COMMUNICATION EXPENSE	4,750.	0.	0.	4,750.
MISCELLANEOUS	475.	0.	0.	475.
TO FORM 990-PF, PG 1, LN 23	7,343.	0.	0.	7,343.

FORM 990-PF	PART VIII - LIST OF OFFICERS, DIRECTORS TRUSTEES AND FOUNDATION MANAGERS	STATEMENT	4
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NAME AND ADDRESS	TITLE AND AVRG HRS/WK	COMPEN- SATION	EMPLOYEE BEN PLAN CONTRIB	EXPENSE ACCOUNT
HUDA ZOGHBI, M.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	PRESIDENT 1.00	13,000.	0.	0.
THOMAS JESSELL, PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	VICE PRESIDENT 1.00	8,000.	0.	0.
ERIKA BINGER 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	SECRETARY/TREASURER 1.00	0.	0.	0.
NEAL CUTHBERT 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 1.00	0.	0.	0.
MICHAEL D. EHLERS, M.D. PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 1.00	0.	0.	0.
KELSEY MARTIN, M.D, PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 1.00	6,000.	0.	0.
MARCUS MEISTER, PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 1.00	5,500.	0.	0.
J. ANTHONY MOVSHON, PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 2.00	8,000.	0.	0.
CARLA J. SHATZ, PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 1.00	3,000.	0.	0.
WENDY SUZUKI, PH.D. 710 SECOND STREET SOUTH, SUITE 400 MINNEAPOLIS, MN 55401	DIRECTOR 2.00	7,000.	0.	0.
TOTALS INCLUDED ON 990-PF, PAGE 6, PART VIII		50,500.	0.	0.

The McKnight Endowment Fund for Neuroscience
Identification No. 41-1563321
Supplementary Information
Form 990-PF IX-A, Line 1
2016

The 2016 McKnight Conference on Neuroscience was held from Friday evening, May 20 through Monday morning, May 23, 2016. The sessions were held at various locations throughout Minneapolis. The change of location to Minneapolis was to celebrate the 30th anniversary of the McKnight Endowment Fund for Neuroscience. One hundred and eighteen neuroscientists attended, including seven members of the board of directors of the McKnight Endowment Fund for Neuroscience, thirteen members of the awards selection committees, five Doupe Fellows, and six guest speakers. Seven current and 3 former McKnight Foundation board members attended a number of sessions; President Kate Wolford attended the Friday night session and two McKnight staff members attended all sessions.

Twenty-six McKnight award recipients, five McKnight Doupe Fellows, and six guest speakers presented the findings of their brain research projects over the course of the weekend. The special lecture topics were: "Order from Disorder: Representations of Olfactory Information in the Cortex," presented by Dr. Richard Axel, Nobel Laureate and "Dscams, DIPS, and Dprs: Wiring the Fly Brain," presented by Dr. Larry Zipursky, UCLA. The Brain Disease workshop was on "Memory Disorders," and featured renowned Alzheimer researchers Drs. David Holtzman, Joachim Herz, and Lennart Mucke. The sessions included:

- Award recipient scientific speaking presentations (three sessions)
- The technology workshop and technology demonstrations (one session)
- Award recipient scientific poster presentations (one session)

Since the conference program incorporates 10 minutes of question and answer following each presentation, the conference audience benefited from an open discussion of the research work presented. Additionally, the poster session and the Tech Demo session are interactive and include open discussions.

The McKnight Conference on Neuroscience provides a forum for: 1) sharing of research developments by and between McKnight awardees through the formal presentations; 2) sharing of research work in informal discussions; and 3) monitoring by the board of directors and review committee members of the research work being supported by the McKnight Endowment Fund for Neuroscience.

The next McKnight Conference on Neuroscience is scheduled to be held June 9-12, 2017 in Aspen, CO. Twelve recent recipients of a McKnight award; four former recipients of a McKnight award, and five guest speakers will present the findings of their brain research projects.

(2/17)

The McKnight Endowment Fund for Neuroscience
Identification No. 41-1563321
Supplementary Information
FORM 990-PF, PART XV, LINE 2
2016

THE McKNIGHT AWARDS IN NEUROSCIENCE

The McKnight Endowment Fund for Neuroscience is an independent charitable organization established by The McKnight Foundation to carry out the intention of its founder, William L. McKnight (1887-1979). Mr. McKnight, who led the 3M company for three decades, had a personal interest in memory and its diseases and set aside part of his legacy to bring hope to those suffering from brain injury or disease and cognitive impairment.

The Endowment Fund fulfills this mission by supporting innovative research in neuroscience through three competitive annual awards. The awards complement each other to support both young and established neuroscientists and to encourage interdisciplinary collaboration. Each in a different way, the three programs seek out investigators whose research shows promise in bringing society closer to preventions, treatments, and cures for many devastating diseases. Research supported by the Endowment Fund has furthered understanding of Alzheimer's disease, Parkinson's disease, spinal cord injuries, and many other cognitive impairments.

The Endowment Fund is led by a board of eminent neuroscientists, with administrative support from The McKnight Foundation. Each award has its own selection committee, also made up of prominent scientists. The committee recommends awardees, and the board has the final approval.

McKnight Scholar Awards

The McKnight Scholar Awards encourage neuroscientists in the early stages of their careers to focus on disorders of learning and memory. These awards support young scientists who hold the M.D. and/or Ph.D. degree, who have completed formal postdoctoral training, and who demonstrate a commitment to neuroscience. The Endowment Fund especially seeks applicants working on problems that, if solved at the basic level, would have immediate and significant impact on clinically relevant issues, especially those related to deficits of memory and cognition. For descriptions of previous awards, see www.neuroscience.mcknight.org/.

Each year up to six Scholars are selected to receive three years of support at \$75,000 per year. Funds may be used in any way that will facilitate development of the Scholar's research program, but not for indirect costs. Scholars must have authorization from the home institution to work in the U.S. and must hold tenured or tenure-track positions at their sponsoring institution. Employees of the Howard Hughes Medical Institute or scientists within the intramural program of the National Institutes of Health are not eligible.

Application materials are available in September each year, and completed applications should be emailed to an email account set up for this purpose (neuro@mcknight.org) in early January of the following year. Each applicant must ensure that four letters of reference are submitted to the email account; these letters are an integral part of the application. Awards are announced in May and begin on July 1.

McKnight Technological Innovations in Neuroscience Awards

These awards support scientists working on new and unusual approaches to understanding brain function. The program seeks to advance and enlarge the range of technologies available to the neurosciences and does not support research based primarily on existing techniques. The Fund is especially interested in how technology may be used or adapted to monitor, manipulate, analyze, or model brain function at any level, from the molecular to the entire organism. Collaborative and cross-disciplinary projects are encouraged. For descriptions of previous awards, see www.neuroscience.mcknight.org/.

The first step is to submit a two-page letter of intent describing the project and how the technology involved will enrich the neurosciences and become accessible to other research in the field. Investigators must have authorization from the home institution to work in the U.S. and must hold tenured or tenure-track positions at their sponsoring institution. Funds may be used toward a variety of research activities, but not the recipient's salary. Employees of the Howard Hughes Medical Institute or scientists within the intramural program of the National Institutes of Health are not eligible.

The selection committee will invite a few applicants to send detailed proposals, from which up to three awards will be made. Each award provides \$100,000 annually for two years. Letters of intent are due in early December and should be emailed to an email account set up for this purpose (neuro@mcknight.org) for consideration. Awards are announced in late June and begin on August 1.

McKnight Memory and Cognitive Disorders Awards

The Memory and Cognitive Disorders Awards support neuroscientists who are working to apply the knowledge achieved through basic or clinical research to human brain disorders that affect memory or cognition, e.g. Alzheimer's Disease. They are designed to stimulate innovative approaches that might lead to therapies and cures. Collaborative and cross-disciplinary projects are encouraged. For descriptions of previous awards, see www.neuroscience.mcknight.org/.

The first step is to submit a two-page letter of intent describing the project and how the research will be applied to improving the understanding of a brain disorder or disease, especially diseases related to memory or cognitive disorders. The letter should clearly describe how the proposed research will uncover mechanisms of brain injury or disease and how it will translate to diagnosis, prevention, treatment, or cure. Investigators must have authorization from the home institution to work in the U.S. and must hold tenured or tenure-track positions at their sponsoring institution. Funds may be used toward a variety of research activities but not the recipient's salary. Employees of the Howard Hughes Medical Institute or scientists within the intramural program of the National Institutes of Health are not eligible.

The selection committee will invite a few applicants to submit detailed proposals, from which up to four awards will be selected. Each provides \$100,000 annually for three years. Letters of intent are due in late March/early April and should be emailed to an email account set up for this purpose (neuro@mcknight.org) for consideration. Awards are announced in December and begin February 1 of the following year.

(2/17)

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

SCHEDULE OF APPROPRIATIONS AND PAYMENTS - 2016

<u>Awardee/Institution</u>	<u>Research Project</u>	<u>Tax Status</u>	<u>Foundation Status Code</u>	<u>Unpaid Balance 12/31/15</u>	<u>Approved 2016</u>	<u>Paid 2016</u>	<u>Unpaid Balance 12/31/16</u>
<u>Memory & Cognitive Disorders Awards 2014-2016</u>							
Nicole Calakos/Henry Yin Duke University Durham, NC	From good habit to bad Examining the relationship between habit learning and compulsivity	Nonprofit 501(c)3	PC	100,000	0	100,000	0
Edward Chang University of California, San Francisco San Francisco, CA	How we learn words the neurophysiology of verbal memory	Government Agency	GOV	100,000	0	100,000	0
Adam Kepecs Cold Spring Harbor Laboratory Cold Spring Harbor, NY	Cell-type specific cognitive broadcast signals from the nucleus basalis	Nonprofit 501(c)3	PC	100,000	0	100,000	0
John Wixted/Larry Squire University of California, San Diego San Diego, CA	The representation of episodic and semantic memory in single neurons of the human hippocampus	Government Agency	GOV	100,000	0	100,000	0
<u>Memory & Cognitive Disorders Awards 2015-2017</u>							
Jacqueline Gottlieb Columbia University New York, NY	Population dynamics encoding uncertainty and reward in the fronto parietal cortex	Nonprofit 501(c)3	PC	200,000	0	100,000	100,000
Michael Grecius Stanford University Palo Alto, CA	Elucidating the interaction between sex and APOE on Alzheimer's disease risk	Nonprofit 501(c)3	PC	200,000	0	100,000	100,000
Stephen Maren Texas A&M University College Station, TX	Prefrontal-hippocampal interplay in contextual memory retrieval	Government Agency	GOV	200,000	0	100,000	100,000
Philip Wong/Liam Chen Johns Hopkins University Baltimore, MD	Characterization and validation of a new therapeutic target in TDP-43 animal models of frontotemporal dementia	Nonprofit 501(c)3	PC	200,000	0	100,000	100,000
<u>Memory & Cognitive Disorders Awards 2016-2018</u>							
David Foster Johns Hopkins School of Medicine Baltimore, MD	The Dual Role of Hippocampal Place-cell Sequences in Learning and Memory	Nonprofit 501(c)3	PC	300,000	0	100,000	200,000
Ueli Rutishauser & Adam Mamelak Cedars-Sinai Medical Center Los Angeles, CA	Hippocampal Theta Rhythm-mediated coordination of Neural Activity in Human Memory	Nonprofit 501(c)3	PC	300,000	0	100,000	200,000
Daphna Shohamy Columbia University New York, NY	How Episodic Memory Guides Decisions Neural Mechanisms and Implications for Memory Loss	Nonprofit 501(c)3	PC	300,000	0	100,000	200,000

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

SCHEDULE OF APPROPRIATIONS AND PAYMENTS - 2016

<u>Awardee/Institution</u>	<u>Research Project</u>	<u>Tax Status</u>	<u>Foundation Status Code</u>	<u>Unpaid Balance 12/31/15</u>	<u>Approved 2016</u>	<u>Paid 2016</u>	<u>Unpaid Balance 12/31/16</u>
Kimberley Tolias/Andreas Tolias Baylor College of Medicine Houston, TX	Studying Global Memory Traces at Single Synapse Resolution	Nonprofit 501(c)3	PC	300,000	0	100,000	200,000
Memory & Cognitive Disorders Awards 2017-2019							
Donna J Calu University of Maryland Baltimore, MD	Individual Differences in Attention Signalling in Amygdala Circuits	Government Agency	GOV	0	300,000	0	300,000
Fred Gage, Salk Institute/Matthew Shtrahman, UCSD San Diego, CA San Diego, CA	Using Deep In Vivo Two-Photon Ca2+ Imaging to Study Temporal Pattern Separation	Nonprofit 501(c)3	PC	0	300,000	0	300,000
Gabriel Kreiman Children's Hospital Boston/Harvard Medical School Boston, MA	Behavioral, Physiological and Computational Mechanisms Underlying Episodic Memory Formation in the Human Brain	Nonprofit 501(c)3	PC	0	300,000	0	300,000
Boris Zemelman/Daniel Johnston University of Texas, Austin Austin, Texas	Prefrontal Dysfunction in Fragile X Syndrome	Government Agency	GOV	0	300,000	0	300,000
Technological Innovation Awards 2015-2016							
Long Cai California Institute of Technology Pasadena, CA	Deciphering Molecular Basis of Cell Identity in the Brain by Sequencing FISH	Nonprofit 501(c)3	PC	100,000	0	100,000	0
Cynthia Chestek University of Michigan Ann Arbor, MI	High-density 90 um Pitch Carbon Microthread Array to Record Every Neuron in Layer 5	Government Agency	GOV	100,000	0	100,000	0
Spencer Smith University of North Carolina, Chapel Hill Chapel Hill, NC	Multiphoton Imaging for Large Brain Volumes	Government Agency	GOV	100,000	0	100,000	0
Technological Innovation Awards 2016-2017							
Kwanghun Chung Massachusetts Institute of Technology Cambridge, MA	Multi-scale Proteomic Reconstruction of Cells and their Brain-wide Connectivity	Nonprofit 501(c)3	PC	0	200,000	100,000	100,000
Narayanan (Bobby) Kasthun University of Chicago/Argonne National Labs Chicago, IL	Brain-X Nanoscale Maps of Entire Brains Using Synchrotron-based high-energy X-Rays	Nonprofit 501(c)3	PC	0	200,000	100,000	100,000

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

SCHEDULE OF APPROPRIATIONS AND PAYMENTS - 2016

Awardee/Institution	Research Project	Tax Status	Foundation Status Code	Unpaid Balance 12/31/15	Approved 2016	Paid 2016	Unpaid Balance 12/31/16
Stephen Miller University of Massachusetts Medical School Worcester, MA	Overcoming Barriers to Imaging in the Brain	Government Agency	GOV	0	200,000	100,000	100,000
Scholar Awards 2014-2016							
Jessica Cardin Yale University New Haven, CT	Mechanisms of state-dependent cortical regulation	Nonprofit 501(c)3	PC	75,000	0	75,000	0
Robert Froemke NYU School of Medicine New York, NY	Neural circuitry and plasticity for control of mammalian social behavior	Nonprofit 501(c)3	PC	75,000	0	75,000	0
Ryan Hibbs UT Southwestern Medical Center Dallas, TX	Structure and mechanism of neuronal acetylcholine receptors	Government Agency	GOV	75,000	0	75,000	0
Jeremy Kay Duke University Durham, NC	Assembly of retinal direction-selective circuitry	Nonprofit 501(c)3	PC	75,000	0	75,000	0
Takaki Komiyama UC San Diego San Diego, CA	The circuit mechanism of lateral septum mediated aggression modulation	Government Agency	GOV	75,000	0	75,000	0
Ilana Witten Princeton University Princeton, NJ	Deconstructing working memory dopamine neurons and their target circuits	Nonprofit 501(c)3	PC	75,000	0	75,000	0
Scholar Awards 2015-2017							
Susanne Ahmani University of Pittsburgh Pittsburgh, PA	Identifying Neural Circuit Changes Underlying OCD related behaviors	Government Agency	GOV	150,000	0	75,000	75,000
Marlene Cohen University of Pittsburgh Pittsburgh, PA	Causal and Correlative Tests of the Hypothesis that the Neuronal Mechanisms Underlying Attention Involve Interactions between Cortical	Government Agency	GOV	150,000	0	75,000	75,000
Daniel Dombeck Northwestern University Evanston, IL	Functional Dynamics, Organization and the Plasticity of Place Cell Dendritic Spines	Nonprofit 501(c)3	PC	150,000	0	75,000	75,000
Surya Ganguli Stanford University Palo Alto, CA	From Neural Data to Neurobiological Understanding through High Dimensional Statistics and Theory	Nonprofit 501(c)3	PC	150,000	0	75,000	75,000

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SCHEDULE OF APPROPRIATIONS AND PAYMENTS - 2016

Awardee/Institution	Research Project	Tax Status	Foundation Status Code	Unpaid Balance 12/31/15	Approved 2016	Paid 2016	Unpaid Balance 12/31/16
Gaby Maimon Rockefeller University New York, NY	Neuronal Basis for the Internal Initiation of Action	Nonprofit 501(c)3	PC	150,000	0	75,000	75,000
Kay Tye Massachusetts Institute of Technology Cambridge, MA	Deconstructing the Distributed Neural Mechanisms in Emotional Valence Processing	Nonprofit 501(c)3	PC	150,000	0	75,000	75,000
Scholar Awards 2016-2018							
Mark Andermann Beth Israel/Harvard Medical School Boston, MA	A Pathway for Hunger Modulation of Learned Food Cue Responses in Insular Cortex	Nonprofit 501(c)3	PC	0	225,000	75,000	150,000
John Cunningham Columbia University New York, NY	The Computational Structure of Populations of Neurons in the Motor Cortex	Nonprofit 501(c)3	PC	0	225,000	75,000	150,000
Roosbeh Kiani New York University New York, NY	Hierarchical Decision Processes that Operate Over Distinct Time Scales Underlie Choice and Changes in Strategy	Nonprofit 501(c)3	PC	0	225,000	75,000	150,000
Yuki Oka California Institute of Technology Pasadena, CA	Peripheral and Central Mechanisms of Body Fluid Regulation	Nonprofit 501(c)3	PC	0	225,000	75,000	150,000
Abigail Person University of Colorado, Denver Aurora, CO	Circuit Mechanisms of Cerebellar Motor Correction	Government Agency	GOV	0	225,000	75,000	150,000
Wei Wei University of Chicago Chicago, IL	Dendritic Processing of Visual Motion in the Retina	Nonprofit 501(c)3	PC	0	225,000	75,000	150,000
Returned Award Funds				(612)	(612)		
Totals				4,050,000	3,149,388	3,149,388	4,050,000

* Total approved in current year for payment in future years - \$2,400,000