

PUBLIC DISCLOSURE COPY

Return of Private Foundation

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

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OMB No. 1545-0047

2022

Open to Public Inspection

Form 990-PF

Department of the Treasury
Internal Revenue Service

For calendar year 2022 or tax year beginning

, 2022, and ending

, 20

Name of foundation

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

Number and street (or P.O. box number if mail is not delivered to street address)

710 S 2ND ST STE 400

City or town, state or province, country, and ZIP or foreign postal code

MINNEAPOLIS, MN 55401-2290

G Check all that apply: ☐ Initial return ☐ Initial return of a former public charity
☐ Final return ☐ Amended return
☐ Address change ☐ Name change

H Check type of organization: ☒ Section 501(c)(3) exempt private foundation
☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundation

I Fair market value of all assets at end of year (from Part II, col. (c), line 16) \$ 24,431
 J Accounting method: ☒ Cash ☐ Accrual
☐ Other (specify) _____
 (Part I, column (d), must be on cash basis.)

A Employer identification number

41-1563321

B Telephone number (see instructions)

(612) 333-4220

C If exemption application is pending, check here ☐D 1. Foreign organizations, check here ☐2. Foreign organizations meeting the 85% test, check here and attach computation ☐E If private foundation status was terminated under section 507(b)(1)(A), check here ☐F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

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) (see instructions).)

(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 (attach schedule)	3,766,000			
	2	Check ☐ 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	0			
	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	0			
Operating and Administrative Expenses	b	Less: Cost of goods sold	0			
	c	Gross profit or (loss) (attach schedule)	0			
	11	Other income (attach schedule)	0	0	0	
	12	Total. Add lines 1 through 11	3,766,000	0	0	
	13	Compensation of officers, directors, trustees, etc.	33,500			33,500
	14	Other employee salaries and wages				
	15	Pension plans, employee benefits				
	16a	Legal fees (attach schedule)	0	0	0	0
	b	Accounting fees (attach schedule)	9,570	0	0	9,570
	c	Other professional fees (attach schedule)	132,000	0	0	132,000
	17	Interest				
	18	Taxes (attach schedule) (see instructions)	0	0	0	0
	19	Depreciation (attach schedule) and depletion	0	0	0	
	20	Occupancy				
	21	Travel, conferences, and meetings	460,710			460,710
	22	Printing and publications				
	23	Other expenses (attach schedule)	16,565	0	0	16,565
	24	Total operating and administrative expenses. Add lines 13 through 23	652,345	0	0	652,345
	25	Contributions, gifts, grants paid	3,120,612			3,120,612
	26	Total expenses and disbursements. Add lines 24 and 25	3,772,957	0	0	3,772,957
	27	Subtract line 26 from line 12:				
	a	Excess of revenue over expenses and disbursements	(6,957)			
	b	Net investment income (if negative, enter -0-)		0		
	c	Adjusted net income (if negative, enter -0-)			0	

For Paperwork Reduction Act Notice, see instructions.

Cat. No. 11289X

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Part II Balance Sheets Attached schedules and amounts in the description column should be for end-of-year amounts only. (See instructions.)		Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash—non-interest-bearing	31,388	24,431	24,431
	2 Savings and temporary cash investments			
	3 Accounts receivable			
	Less: allowance for doubtful accounts	0	0	0
	4 Pledges receivable			
	Less: allowance for doubtful accounts	0	0	0
	5 Grants receivable			
	6 Receivables due from officers, directors, trustees, and other disqualified persons (attach schedule) (see instructions)	0	0	0
	7 Other notes and loans receivable (attach schedule)	0		
	Less: allowance for doubtful accounts	0	0	0
	8 Inventories for sale or use			
	9 Prepaid expenses and deferred charges			
	10a Investments—U.S. and state government obligations (attach schedule)	0	0	0
	b Investments—corporate stock (attach schedule)	0	0	0
	c Investments—corporate bonds (attach schedule)	0	0	0
Liabilities	11 Investments—land, buildings, and equipment: basis	0		
	Less: accumulated depreciation (attach schedule)	0	0	0
	12 Investments—mortgage loans			
	13 Investments—other (attach schedule)	0	0	0
	14 Land, buildings, and equipment: basis	0		
	Less: accumulated depreciation (attach schedule)	0	0	0
	15 Other assets (describe)	0	0	0
	16 Total assets (to be completed by all filers—see the instructions. Also, see page 1, item I)	31,388	24,431	24,431
	17 Accounts payable and accrued expenses			
	18 Grants payable			
Net Assets or Fund Balances	19 Deferred revenue			
	20 Loans from officers, directors, trustees, and other disqualified persons	0	0	
	21 Mortgages and other notes payable (attach schedule)	0	0	
	22 Other liabilities (describe)	0	0	
	23 Total liabilities (add lines 17 through 22)	0	0	
	Foundations that follow FASB ASC 958, check here and complete lines 24, 25, 29, and 30. ☐			
	24 Net assets without donor restrictions			
	25 Net assets with donor restrictions			
	Foundations that do not follow FASB ASC 958, check here and complete lines 26 through 30. ☒			
	26 Capital stock, trust principal, or current funds			
	27 Paid-in or capital surplus, or land, bldg., and equipment fund			
	28 Retained earnings, accumulated income, endowment, or other funds	31,388	24,431	
	29 Total net assets or fund balances (see instructions)	31,388	24,431	
	30 Total liabilities and net assets/fund balances (see instructions)	31,388	24,431	

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 29 (must agree with end-of-year figure reported on prior year's return)	1	31,388
2 Enter amount from Part I, line 27a	2	(6,957)
3 Other increases not included in line 2 (itemize)	3	0
4 Add lines 1, 2, and 3	4	24,431
5 Decreases not included in line 2 (itemize)	5	0
6 Total net assets or fund balances at end of year (line 4 minus line 5)—Part II, column (b), line 29	6	24,431

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Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (for example, 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				
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) FMV 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	0
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). See instructions. If (loss), enter -0- in Part I, line 8 }	3	0

Part V Excise Tax Based on Investment Income (Section 4940(a), 4940(b), or 4948—see instructions)

1a Exempt operating foundations described in section 4940(d)(2), check here ☐ and enter "N/A" on line 1. Date of ruling or determination letter: _____ (attach copy of letter if necessary—see instructions)	1	0
b All other domestic foundations enter 1.39% (0.0139) of line 27b. Exempt foreign organizations, enter 4% (0.04) 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	
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	
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-	5	0
6 Credits/Payments:		
a 2022 estimated tax payments and 2021 overpayment credited to 2022 6a		0
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 ☐ 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	0
11 Enter the amount of line 10 to be: Credited to 2023 estimated tax Refunded	11	0

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Part VI-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?	1a	✓
b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes? See the 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.	1b	✓
c Did the foundation file Form 1120-POL for this year?	1c	✓
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. \$ _____ (2) On foundation managers. \$ _____		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. \$ _____		
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.	2	✓
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	3	✓
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?	4a	✓
b If "Yes," has it filed a tax return on Form 990-T for this year?	4b	
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If "Yes," attach the statement required by <i>General Instruction T</i> .	5	✓
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?	6	✓
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 XIV	7	✓
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 <i>General Instruction G</i> ? If "No," attach explanation	8b	✓
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 2022 or the tax year beginning in 2022? See the instructions for Part XIII. If "Yes," complete Part XIII	9	✓
10 Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses	10	✓
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	✓
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	✓
13 Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address <u>WWW.NEUROSCIENCE.MCKNIGHT.ORG</u>	13	✓
14 The books are in care of <u>NICHOL HIGDON</u> Telephone no. <u>(612) 333-4220</u> Located at <u>710 S 2ND ST STE 400, MINNEAPOLIS, MN</u> ZIP+4 <u>55401-2290</u>		
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		
16 At any time during calendar year 2022, 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	✓

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Part VI-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?	1a(1)	✓
(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person?	1a(2)	✓
(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person?	1a(3)	✓
(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person?	1a(4)	✓
(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)?	1a(5)	✓
(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.)	1a(6)	✓
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	1b	✓
c Organizations relying on a current notice regarding disaster assistance, check here ☐		
d 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 2022?	1d	✓
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 2022, did the foundation have any undistributed income (Part XII, lines 6d and 6e) for tax year(s) beginning before 2022?	2a	✓
If "Yes," list the years 20 ____ , 20 ____ , 20 ____ , 20 ____		
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.)	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. 20 ____ , 20 ____ , 20 ____ , 20 ____		
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year?	3a	✓
b If "Yes," did it have excess business holdings in 2022 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 Form 4720, Schedule C, to determine if the foundation had excess business holdings in 2022.)	3b	
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a	✓
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 2022?	4b	✓

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Part VI-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:		Yes	No
(1)	Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))?	5a(1)		✓
(2)	Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive?	5a(2)		✓
(3)	Provide a grant to an individual for travel, study, or other similar purposes?	5a(3)		✓
(4)	Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? See instructions	5a(4)		✓
(5)	Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals?	5a(5)		✓
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		
c	Organizations relying on a current notice regarding disaster assistance, check here ☐			
d	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? If "Yes," attach the statement required by Regulations section 53.4945-5(d).	5d		
6a	Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	6a		✓
b	Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract? If "Yes" to 6b, file Form 8870.	6b		✓
7a	At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?	7a		✓
b	If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?	7b		
8	Is the foundation subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year?	8		✓

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

(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
J ANTHONY MOVSHON, PH.D. 710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	PRESIDENT, 1.3	11,000	0	0
KELSEY MARTIN, MD, PH.D. 710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	VICE PRESIDENT, 1.1	8,500	0	0
ERIKA BINGER 710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	SECRETARY/TR EASURER, 0.9	0	0	0
(SEE STATEMENT)				

2 Compensation of five highest-paid employees (other than those included on line 1—see instructions). 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 VII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors (continued)**3 Five highest-paid independent contractors for professional services. See instructions. If none, enter "NONE."**

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
THE MCKNIGHT FOUNDATION 710 S 2ND ST STE 400, MINNEAPOLIS, MN 55401-2290	ADMINISTRATIVE SERVICES	100,000
Total number of others receiving over \$50,000 for professional services		1

Part VIII-A Summary of Direct Charitable Activities

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 SCHEDULE O	459,676
2	
3	
4	

Part VIII-B Summary of Program-Related Investments (see instructions)

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

	Amount
1 N/A	
2	
All other program-related investments. See instructions.	
3	
Total. Add lines 1 through 3	0

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Part IX 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	
b	Average of monthly cash balances	1b	1,131,667
c	Fair market value of all other assets (see instructions)	1c	
d	Total (add lines 1a, b, and c)	1d	1,131,667
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	
3	Subtract line 2 from line 1d	3	1,131,667
4	Cash deemed held for charitable activities. Enter 1.5% (0.015) of line 3 (for greater amount, see instructions)	4	16,975
5	Net value of noncharitable-use assets. Subtract line 4 from line 3	5	1,114,692
6	Minimum investment return. Enter 5% (0.05) of line 5	6	55,735

Part X 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 IX, line 6	1	
2a	Tax on investment income for 2022 from Part V, line 5	2a	
b	Income tax for 2022. (This does not include the tax from Part V.)	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 XII, line 1	7	

Part XI 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	3,772,957
b	Program-related investments—total from Part VIII-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	0
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part XII, line 4	4	3,772,957

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Part XII Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2021	(c) 2021	(d) 2022
1 Distributable amount for 2022 from Part X, line 7				
2 Undistributed income, if any, as of the end of 2022:				
a Enter amount for 2021 only				
b Total for prior years: 20 ____, 20 ____, 20 ____				
3 Excess distributions carryover, if any, to 2022:				
a From 2017				
b From 2018				
c From 2019				
d From 2020				
e From 2021				
f Total of lines 3a through e				
4 Qualifying distributions for 2022 from Part XI, line 4: \$ ____				
a Applied to 2021, 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 2022 distributable amount . .				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2022 (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 2021. Subtract line 4a from line 2a. Taxable amount—see instructions				
f Undistributed income for 2022. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2023				
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 2017 not applied on line 5 or line 7 (see instructions) .				
9 Excess distributions carryover to 2023. Subtract lines 7 and 8 from line 6a . . .				
10 Analysis of line 9:				
a Excess from 2018				
b Excess from 2019				
c Excess from 2020				
d Excess from 2021				
e Excess from 2022				

Part XIII Private Operating Foundations (see instructions and Part VI-A, question 9)

1a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2022, 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)

2a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part IX for each year listed

Tax year	Prior 3 years			(e) Total
(a) 2022	(b) 2021	(c) 2020	(d) 2019	
0	0	39	13,752	13,791
0	0	33	11,689	11,722
3,772,957	3,593,792	3,456,889	3,705,694	14,529,332
3,120,612	3,125,000	3,150,000	3,150,000	12,545,612
652,345	468,792	306,889	555,694	1,983,720

b 85% (0.85) of line 2a

c Qualifying distributions from Part XI, line 4, for each year listed

d Amounts included in line 2c not used directly for active conduct of exempt activities

e Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c

3 Complete 3a, b, or c for the alternative test relied upon:

a "Assets" alternative test—enter:

(1) Value of all assets

(2) Value of assets qualifying under section 4942(j)(3)(B)(i)

b "Endowment" alternative test—enter $\frac{2}{3}$ of minimum investment return shown in Part IX, line 6, for each year listed

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)

(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)

(3) Largest amount of support from an exempt organization

(4) Gross investment income

Part XIV 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., to individuals or organizations under other conditions, complete items 2a, b, c, and d. See instructions.

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

MEFN SELECTION COMMITTEE, 710 S 2ND ST STE 400, MINNEAPOLIS, MN 55401-2290, 612-333-4220, NEURO@MCKNIGHT.ORG

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

SEE SUPPLEMENTAL INFORMATION

- c** Any submission deadlines:

SEE SUPPLEMENTAL INFORMATION

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

SEE SUPPLEMENTAL INFORMATION

3 Grants and Contributions Paid During the Year or Approved for Future Payment

Form **990-PF** (2022)

Part XVI 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) (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)	✓
(2) Other assets	1a(2)	✓
b Other transactions:		
(1) Sales of assets to a noncharitable exempt organization	1b(1)	✓
(2) Purchases of assets from a noncharitable exempt organization	1b(2)	✓
(3) Rental of facilities, equipment, or other assets	1b(3)	✓
(4) Reimbursement arrangements	1b(4)	✓
(5) Loans or loan guarantees	1b(5)	✓
(6) Performance of services or membership or fundraising solicitations	1b(6)	✓
c Sharing of facilities, equipment, mailing lists, other assets, or paid employees	1c	✓
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) (other than section 501(c)(3)) or in section 527? ☐ Yes ☒ No

(a) Name of organization	(b) Type of organization	(c) Description of relationship

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.					May the IRS discuss this return with the preparer shown below? See instructions. ☒ Yes ☐ No	
	Signature of officer or trustee		Date		Title		
Paid Preparer Use Only	Print/Type preparer's name TOBY KERSLAKE		Preparer's signature TOBY KERSLAKE		Date 08/16/2023	Check ☐ if self-employed	PTIN P01875806
	Firm's name CROWE LLP				Firm's EIN 35-0921680		
	Firm's address 485 LEXINGTON AVENUE FLOOR 11, NEW YORK, NY 10017-2619				Phone no. (212) 572-5500		

**Schedule B
(Form 990)**

Department of the Treasury
Internal Revenue Service

Schedule of Contributors

Attach to Form 990 or Form 990-PF.
Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2022

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 $\frac{1}{3}$ % support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990), 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 (entering "N/A" in column (b) instead of the contributor name and address), 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), 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).

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 S 2ND ST STE 400 MINNEAPOLIS, MN 55401-2290	\$ 3,766,000	Person ☒ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)
		\$	Person ☐ Payroll ☐ Noncash ☐ (Complete Part II for noncash contributions.)

Name of organization

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

Employer identification number

41-1563321

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

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
	----- ----- -----	----- ----- -----	
(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
	----- ----- -----	----- ----- -----	
(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
	----- ----- -----	----- ----- -----	
(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
	----- ----- -----	----- ----- -----	

Return Reference - Identifier	Explanation
FORM 990-PF, PART VIII-A - ANNUAL CONFERENCE	THE 2022 MCKNIGHT CONFERENCE ON NEUROSCIENCE WAS HELD FROM FRIDAY EVENING, JUNE 10 THROUGH MONDAY MORNING, JUNE 13, 2022. NINETY-ONE NEUROSCIENTISTS ATTENDED, INCLUDING SEVEN MEMBERS OF THE BOARD OF DIRECTORS OF THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE, SEVEN MEMBERS OF THE AWARDS SELECTION COMMITTEES, THREE DOUPE FELLOWS, AND SIX GUEST SPEAKERS. MCKNIGHT FOUNDATION REPRESENTATIVES INCLUDED TONYA ALLEN, PRESIDENT; ERIKA BINGER, MCKNIGHT FOUNDATION BOARD MEMBER; DANA ANDERSON, MCKNIGHT FOUNDATION BOARD MEMBER; AND EILEEN MALER, MCKNIGHT PROGRAM MANAGER OF NEUROSCIENCE. DANA ANDERSON AND ERIKA BINGER ALSO SERVE ON THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE BOARD OF DIRECTORS. FOURTEEN MCKNIGHT AWARD RECIPIENTS AND SIX GUEST SPEAKERS PRESENTED THE FINDINGS OF THEIR BRAIN RESEARCH PROJECTS OVER THE COURSE OF THE WEEKEND. THE SPECIAL LECTURE TOPICS WERE: "SYNAPSES LOST AND FOUND IN DEVELOPMENT AND ALZHEIMER'S DISEASE," PRESENTED BY CARLA SHATZ; "DISCOVERING AND REGULATING BRAIN NETWORKS UNDERLYING EMOTION," PRESENTED BY KAFUI DZIRASA; AND "UPDATE ON THE NIH BRAIN INITIATIVE," PRESENTED BY NIH BRAIN INITIATIVE DIRECTOR JOHN NGAI. THE BRAIN DISEASE WORKSHOP WAS ON "AUTISM SPECTRUM DISORDERS" AND INCLUDED RESEARCHERS DRS. SHAFALI SPURLING JESTE (UNIVERSITY OF SOUTHERN CALIFORNIA), AMI KLIN (EMORY UNIVERSITY), AND LOREN FRANK (UNIVERSITY OF CALIFORNIA SAN FRANCISCO). THE OTHER SESSIONS INCLUDED: *AWARD RECIPIENT SCIENTIFIC SPEAKING PRESENTATIONS (THREE SESSIONS) *THE TECHNOLOGY WORKSHOP (ONE SESSION) *TECHNOLOGY DEMONSTRATIONS (ONE SESSION) SINCE THE CONFERENCE PROGRAM INCORPORATES 15 MINUTES OF QUESTION AND ANSWER FOLLOWING EACH PRESENTATION, THE CONFERENCE AUDIENCE BENEFITED FROM AN OPEN DISCUSSION OF THE RESEARCH WORK PRESENTED. ADDITIONALLY, THE TECH DEMO SESSION IS INTERACTIVE AND INCLUDES 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, 2023, IN ASPEN, CO. FOURTEEN RECENT RECIPIENTS OF A MCKNIGHT AWARD AND FIVE GUEST SPEAKERS WILL PRESENT THE FINDINGS OF THEIR BRAIN RESEARCH PROJECTS.

Return Reference - Identifier	Explanation
FORM 990-PF, PART XIV, LINE 2B - AWARDS	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. IN 2021, THE ENDOWMENT FUND CREATED A FELLOWSHIP FOR MCKNIGHT AWARDEES TO HIRE AN UNDERGRADUATE STUDENT FROM A COMMUNITY UNDERREPRESENTED IN NEUROSCIENCE. 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 CRITICAL PROBLEMS IN BRAIN SCIENCE. 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 WHO DEMONSTRATE AN INTEREST IN SOLVING IMPORTANT PROBLEMS IN RELEVANT AREAS OF NEUROSCIENCE, INCLUDING THE TRANSLATION OF BASIC RESEARCH TO CLINICAL NEUROSCIENCE. FOR DESCRIPTIONS OF PREVIOUS AWARDS, PLEASE GO TO THE ENDOWMENT FUND WEBSITE. EACH YEAR UP TO SIX SCHOLARS ARE SELECTED TO RECEIVE THREE YEARS OF SUPPORT AT \$75,000 PER YEAR. AT TIMES THE ENDOWMENT FUND BOARD APPROVES A SEVENTH AWARD. 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 FULL TIME APPOINTMENTS AT THE RANK OF ASSISTANT PROFESSOR AT THEIR SPONSORING INSTITUTION (FOR NO MORE THAN FOUR YEARS; ALLOWANCES ARE MADE FOR PARENTAL LEAVE); SCIENTISTS HOLDING OTHER TITLES SUCH AS RESEARCH ASSISTANT PROFESSOR, ADJUNCT ASSISTANT PROFESSOR, ASSISTANT PROFESSOR RESEARCH TRACK, VISITING PROFESSOR OR INSTRUCTOR ARE NOT ELIGIBLE. IF THE HOST INSTITUTION DOES NOT USE PROFESSORIAL TITLES, A LETTER FROM A SENIOR INSTITUTIONAL OFFICIAL (E.G., DEAN OR DIRECTOR OF RESEARCH) MUST CONFIRM THAT THE APPLICANT HAS HIS/HER OWN DEDICATED INSTITUTIONAL RESOURCES, LABORATORY SPACE, AND/OR FACILITIES. EMPLOYEES OF THE INTRAMURAL PROGRAM OF THE NATIONAL INSTITUTES OF HEALTH ARE NOT ELIGIBLE. APPLICATION MATERIALS ARE DUE IN EARLY JANUARY AND CAN BE UPLOADED BY ACCESSING THE ONLINE URL SET UP FOR THIS PURPOSE. EACH APPLICANT MUST ENSURE THAT FOUR LETTERS OF REFERENCE ARE SUBMITTED TO AN EMAIL ACCOUNT; THESE LETTERS ARE AN INTEGRAL PART OF THE APPLICATION. AWARDS ARE ANNOUNCED IN JUNE AND BEGIN ON JULY 1. MCKNIGHT TECHNOLOGICAL INNOVATIONS IN NEUROSCIENCE AWARDS THESE AWARDS ENCOURAGE AND SUPPORT SCIENTISTS WORKING ON THE DEVELOPMENT OF NOVEL AND CREATIVE APPROACHES TO UNDERSTANDING BRAIN FUNCTION. THE ENDOWMENT FUND IS INTERESTED IN HOW A NEW TECHNOLOGY MAY BE USED TO MONITOR, MANIPULATE, ANALYZE, OR MODEL BRAIN FUNCTION AT ANY LEVEL, FROM THE MOLECULAR TO THE ENTIRE ORGANISM. THE TECHNOLOGY MAY TAKE ANY FORM, FROM BIOCHEMICAL TOOLS TO INSTRUMENTS TO SOFTWARE AND MATHEMATICAL APPROACHES. BECAUSE THE PROGRAM SEEKS TO ADVANCE AND ENLARGE THE RANGE OF TECHNOLOGIES AVAILABLE TO THE NEUROSCIENCES, RESEARCH BASED PRIMARILY ON EXISTING TECHNIQUES WILL NOT BE CONSIDERED. COLLABORATIVE AND CROSS-DISCIPLINARY APPLICATIONS ARE ENCOURAGED. FOR DESCRIPTIONS OF PREVIOUS AWARDS, PLEASE GO TO THE ENDOWMENT FUND WEBSITE. 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 FULL TIME APPOINTMENTS AT THE RANK OF ASSISTANT PROFESSOR OR HIGHER AT THE SPONSORING INSTITUTION; SCIENTISTS HOLDING OTHER TITLES SUCH AS RESEARCH PROFESSOR, ADJUNCT PROFESSOR, PROFESSOR RESEARCH TRACK, VISITING PROFESSOR, OR INSTRUCTOR ARE NOT ELIGIBLE. IF THE HOST INSTITUTION DOES NOT USE PROFESSORIAL TITLES, A LETTER FROM A SENIOR INSTITUTIONAL OFFICIAL (E.G., DEAN OR DIRECTOR OF RESEARCH) MUST CONFIRM THAT THE APPLICANT HAS HIS/HER OWN DEDICATED INSTITUTIONAL RESOURCES, LABORATORY SPACE, AND/OR FACILITIES. EMPLOYEES OF THE INTRAMURAL PROGRAM OF THE NATIONAL INSTITUTES OF HEALTH ARE NOT ELIGIBLE. FUNDS MAY BE USED TOWARD A VARIETY OF RESEARCH ACTIVITIES, BUT NOT THE RECIPIENT'S SALARY. 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 CAN BE UPLOADED BY ACCESSING THE ONLINE URL SET UP FOR THIS PURPOSE. AWARDS ARE ANNOUNCED IN JULY AND BEGIN ON AUGUST 1. MCKNIGHT NEUROBIOLOGY OF BRAIN DISORDERS AWARD THE NEUROBIOLOGY OF BRAIN DISORDER AWARDS, DEVELOPED IN 2021 TO REPLACE THE MCKNIGHT MEMORY AND COGNITIVE DISORDERS AWARD, SUPPORT NEUROSCIENTISTS WHO ARE WORKING TO APPLY THE KNOWLEDGE ACHIEVED THROUGH BASIC OR CLINICAL RESEARCH TO HUMAN BRAIN DISORDERS AND WHO ADDRESS THE BIOLOGY AND MECHANISMS OF NEUROLOGICAL AND PSYCHIATRIC DISORDERS. THEY ARE DESIGNED TO STIMULATE INNOVATIVE APPROACHES THAT MIGHT LEAD TO THERAPIES AND CURES. COMPETITIVE PROJECTS WOULD INCLUDE THOSE THAT PROVIDE MECHANISTIC INSIGHTS INTO

Return Reference - Identifier	Explanation
	NEUROLOGICAL FUNCTIONS AT THE SYNAPTIC, CELLULAR, MOLECULAR, GENETIC, OR BEHAVIORAL LEVEL ACROSS DIFFERENT SPECIES, INCLUDING HUMANS AND VERTEBRATE AND INVERTEBRATE MODEL ORGANISMS, AND THAT INCORPORATE FUNDAMENTALLY NEW APPROACHES THAT PROVIDE POTENTIAL PATHS FOR THERAPEUTIC INTERVENTIONS. COLLABORATIVE AND CROSS-DISCIPLINARY APPLICATIONS ARE ENCOURAGED. FOR DESCRIPTIONS OF PREVIOUS AWARDS, PLEASE GO TO THE ENDOWMENT FUND WEBSITE. 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. INVESTIGATORS MUST HAVE AUTHORIZATION FROM THE HOME INSTITUTION TO WORK IN THE U.S. AND MUST HOLD FULL TIME APPOINTMENTS AT THE RANK OF ASSISTANT PROFESSOR OR HIGHER AT THE SPONSORING INSTITUTION; SCIENTISTS HOLDING OTHER TITLES SUCH AS RESEARCH PROFESSOR, ADJUNCT PROFESSOR, PROFESSOR RESEARCH TRACK, VISITING PROFESSOR, OR INSTRUCTOR ARE NOT ELIGIBLE. IF THE HOST INSTITUTION DOES NOT USE PROFESSORIAL TITLES, A LETTER FROM A SENIOR INSTITUTIONAL OFFICIAL (E.G., DEAN OR DIRECTOR OF RESEARCH) MUST CONFIRM THAT THE APPLICANT HAS HIS/HER OWN DEDICATED INSTITUTIONAL RESOURCES, LABORATORY SPACE, AND/OR FACILITIES. EMPLOYEES OF THE INTRAMURAL PROGRAM OF THE NATIONAL INSTITUTES OF HEALTH ARE NOT ELIGIBLE. FUNDS MAY BE USED TOWARD A VARIETY OF RESEARCH ACTIVITIES, BUT NOT THE RECIPIENT'S SALARY. SINCE THE MEMORY AND COGNITIVE DISORDERS AWARD IS A THREE-YEAR AWARD, IN 2022 PAYMENTS WERE MADE TO 2020 MEMORY AND COGNITIVE DISORDERS AWARD RECIPIENTS. 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 CAN BE UPLOADED BY ACCESSING THE ONLINE URL SET UP FOR THIS PURPOSE. AWARDS ARE ANNOUNCED IN DECEMBER AND BEGIN FEBRUARY 1 OF THE FOLLOWING YEAR. MCKNIGHT MATTHEW PECOT FELLOWSHIP THE MCKNIGHT PECOT FELLOWSHIP, CREATED IN 2021, IS NAMED IN HONOR OF MCKNIGHT SCHOLAR AWARDEE MATTHEW PECOT, WHO DIED IN 2019. MATTHEW WAS A BRILLIANT BIPOC NEUROSCIENTIST AT HARVARD MEDICAL SCHOOL AND A 2017 MCKNIGHT SCHOLAR AWARDEE. HE RECEIVED HIS MCKNIGHT AWARD FOR HIS WORK ON IDENTIFYING MOLECULAR PRINCIPLES UNDERLYING SYNAPTIC SPECIFICITY. MATTHEW'S MCKNIGHT WORK HAS CONTRIBUTED TO IDENTIFYING DEFECTS IN NEURAL CONNECTIVITY, WHICH UNDERLIE MANY NEURAL PSYCHIATRIC DISEASES. UP TO SIX MCKNIGHT ENDOWMENT FUND CURRENT AWARDEES ARE SELECTED TO RECEIVE \$16,500 TO HIRE AN UNDERREPRESENTED COLLEGE STUDENT TO PERFORM RESEARCH IN THE MCKNIGHT AWARDEE'S LAB.
FORM 990-PF, PART XIV, LINE 2B - AWARDS - CONTINUED	FOR THE PURPOSES OF THIS FELLOWSHIP, UNDERREPRESENTED INCLUDES, BUT IS NOT LIMITED TO, PERSONS OF ANY ETHNIC OR RACIAL GROUP UNDERREPRESENTED IN THE SCIENCES, FOR EXAMPLE, ANY INDIVIDUAL IDENTIFYING AS HISPANIC, BLACK, NATIVE HAWAIIAN/PACIFIC ISLANDER, OR AMERICAN INDIAN/ALASKA NATIVE. IN ADDITION TO SUPERVISING THE FELLOW'S RESEARCH ACTIVITIES, THE MCKNIGHT AWARDEE WILL PROVIDE MENTORSHIP AND NETWORKING OPPORTUNITIES FOR THE FELLOW. ADDITIONALLY, THE FELLOW WILL BE INVITED TO THE MCKNIGHT ENDOWMENT FUND ANNUAL CONFERENCE. THE PECOT FELLOWSHIP IS OPEN TO ALL CURRENT MCKNIGHT NEUROSCIENTISTS (INCLUDING THOSE IN NO-COST-EXTENSION). THE NOMINATION APPLICATION INCLUDES A RECOMMENDATION FROM THE MCKNIGHT AWARDEE; AN ESSAY ON A SCIENTIFIC TOPIC BY THE UNDERGRADUATE WHO IS BEING NOMINATED; AND THE UNDERGRADUATE'S RESUME. NOMINATIONS ARE SUBMITTED IN FEBRUARY/MARCH AND AWARDEES ARE NOTIFIED IN APRIL/MAY. A SUBCOMMITTEE OF MCKNIGHT ENDOWMENT FOR NEUROSCIENCE BOARD MEMBERS SELECTS THE AWARDS.

Description	(a) Revenue and expenses	(b) Net investment income	(c) Adjusted net income	(d) Charitable disbursements
(1) PROFESSIONAL FEES	9,570			9,570
TOTAL	9,570	0	0	9,570

Description	(a) Revenue and expenses	(b) Net investment income	(c) Adjusted net income	(d) Charitable disbursements
(1) ADMINISTRATIVE SERVICE FEES	100,000			100,000
(2) COMMITTEE FEES	32,000			32,000
TOTAL	132,000	0	0	132,000

Description	(a) Revenue and expenses	(b) Net investment income	(c) Adjusted net income	(d) Charitable disbursements
(1) GIFTS/RECOGNITION EXPENSE	62			62
(2) POSTAGE AND SHIPPING	628			628
(3) COMMUNICATION EXPENSE	3,985			3,985
(4) COMPUTER SERVICES	11,890			11,890
TOTAL	16,565	0	0	16,565

Name	Address	Title, and average hours per week devoted to position	Compensation (If not paid, enter -0-)	Contributions to employee benefit plans and deferred compensation	Expense account, other allowances
CATHERINE DULAC	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 0.2	500	0	0
DANA ANDERSON	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 0.2	0	0	0
KARA CARLISLE	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 0.2	0	0	0
LESLIE VOSSHALL	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 0.2	1,000	0	0
MARKUS MEISTER	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 1.1	4,500	0	0
MICHAEL D EHLERS, MD, PH.D	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 0.2	0	0	0
MING GUO, MD, PH.D	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2290	DIRECTOR, 0.5	2,000	0	0
RICHARD MOONEY	710 SECOND STREET SOUTH, SUITE 400, MINNEAPOLIS, MN 55401-2291	DIRECTOR, 2.0	6,000	0	0

Name and Address	Relationship	Foundation status	Purpose	Amount
BAYLOR COLLEGE OF MEDICINE ONE BAYLOR PLAZA T632 HOUSTON, TX 77030	NONE	PC	CEREBELLAR COMPUTATIONS DURING MOTOR PLANNING. PRINCIPAL INVESTIGATOR: NUO LI	75,000
BOSTON UNIVERSITY PSYCHOLOGICAL AND BRAIN SCIENCES 610 COMMONWEALTH AVE BOSTON, MA 02215	NONE	PC	LINKING NEURAL CIRCUITS AND FLUID DYNAMICS IN THE SLEEPING BRAIN. PRINCIPAL INVESTIGATOR: LAURA LEWIS	75,000
CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BLVD PASADENA, CA 91125	NONE	PC	CIRCUIT DYNAMICS AND COGNITIVE CONSEQUENCES OF GENERAL ANESTHESIA. PRINCIPAL INVESTIGATOR: THANOS SIAPAS	100,000
COLD SPRING HARBOR LABORATORY 1 BUNGTON ROAD BECKMAN ROOM 319 COLD SPRING HARBOR, NY 11724	NONE	PC	UNCOVERING THE MOLECULAR BASIS OF MICROGLIAL FUNCTION IN THE STIMULATED BRAIN. PRINCIPAL INVESTIGATOR: LUCAS CHEADLE	75,000
COLUMBIA UNIVERSITY 3227 BROADWAY NEW YORK, NY 10027	NONE	PC	THE EVOLUTION OF GENE MODULES AND CIRCUIT MOTIFS FOR CORTICAL INHIBITION. PRINCIPAL INVESTIGATOR: MARIA ANTOINETTA TOSCHES	75,000
COLUMBIA UNIVERSITY 3227 BROADWAY NEW YORK, NY 10027	NONE	PC	CONNECTOME-CONSTRAINED MODELS OF ADAPTIVE BEHAVIOR. PRINCIPAL INVESTIGATOR: ASHOK LITWIN-KUMAR	75,000
DUKE UNIVERSITY 324 BLACKWELL ST., WASHINGTON BUILD SUITE 850 DRUHAN, NC 27701	NONE	PC	MULTI-SCALE THREE DIMENSIONAL BEHAVIORAL QUANTIFICATION IN INDIVIDUALS AND SOCIAL GROUPS. PRINCIPAL INVESTIGATOR: TIMOTHY DUNN	100,000
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI ONE GUSTAVE L. LEVY PLACE NEW YORK, NY 10029	NONE	PC	ACCELERATING DRUG DISCOVERY FOR COGNITIVE DISORDERS THROUGH STRUCTURAL STUDIES OF A SEROTONIN RECEPTOR. PRINCIPAL INVESTIGATOR: DANIEL WACKER	75,000
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI ONE GUSTAVE L. LEVY PLACE NEW YORK, NY 10029	NONE	PC	MULTISCALE NEURAL NETWORK MODELS TO INFER FUNCTIONAL MOTIFS IN THE BRAIN. PRINCIPAL INVESTIGATOR: KANAKA RAJAN, PH.D.	75,000
JOHNS HOPKINS UNIVERSITY 3400 NORTH CHARLES STREET BALTIMORE, MD 21218	NONE	PC	DISCOVERING MOLECULAR IDENTIFY AND FUNCTION OF NOVEL CHLORIDE CHANNELS IN THE NERVOUS SYSTEM. PRINCIPAL INVESTIGATOR: ZHAOZHU QUI	70,612
MASSACHUSETTS GENERAL HOSPITAL/HARVARD MEDICAL SCHOOL 125 NASHUA STREET SUITE 540 BOSTON, MA 02114	NONE	PC	DEVELOPMENT, FUNCTION, AND DYSFUNCTION OF SOMATOSENSORY AND VISCEROSENSORY SYSTEMS IN AUTISM SPECTRUM DISORDER. PRINCIPAL INVESTIGATOR: LAUREN OREFICE, PH.D.	75,000
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVE CAMBRIDGE, MA 02139	NONE	PC	ELUCIDATING FUNDAMENTAL MECHANISMS OF GUT-BRAIN SIGNALING IN C. ELEGANS. PRINCIPAL INVESTIGATOR: STEVEN FLAVELL	75,000
NEW YORK UNIVERSITY 4 WASHINGTON PLACE ROOM 621 NEW YORK, NY 10003	NONE	PC	COORDINATE TRANSFORMS IN THE MOUSE CORTEX. PRINCIPAL INVESTIGATOR: DAVID SCHNEIDER	75,000
NEW YORK UNIVERSITY 4 WASHINGTON PLACE ROOM 621 NEW YORK, NY 10003	NONE	PC	NEURAL CIRCUIT MECHANISMS OF INFERENCE. PRINCIPAL INVESTIGATOR: CHRISTINE CONSTANTINOPOLE, PH.D	75,000
NORTHWESTERN UNIVERSITY FEINBERG SCHOOL OF	NONE	PC	DISSECTING THE GUT-BRAIN DYNAMICS UNDERLYING	100,000

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MEDICINE 633 CLARK ST EVANSTON, IL 60208			ANOREXIA. PRINCIPAL INVESTIGATOR: LISA BEUTLER	
PRINCETON UNIVERSITY P.O. BOX 430 PRINCETON, NJ 08542	NONE	PC	PROPORTIONAL-INTEGRAL FEEDBACK IN A BIOLOGICAL 'GYROSCOPE'. PRINCIPAL INVESTIGATOR: BRADLEY DICKERSON, PH.D.	75,000
ST. JUDE'S RESEARCH HOSPITAL 262 DANNY THOMAS PLACE MEMPHIS, TN 38105	NONE	PC	IDENTIFYING BRAIN CIRCUITS THAT CONNECT RESPIRATION AND COGNITIVE STATE. PRINCIPAL INVESTIGATOR: LINDSEY SCHWARZ	100,000
STANFORD UNIVERSITY 450 SERRA MALL STANFORD, CA 94305	NONE	PC	NEURONAL BASIS OF PARENTAL ENGRAMS IN THE INFANT BRAIN. PRINCIPAL INVESTIGATOR: LAUREN O'CONNELL	75,000
STANFORD UNIVERSITY 450 SERRA MALL STANFORD, CA 94305	NONE	PC	HOW DOES THE BRAIN COMPUTE USING ACTIVITY DISTRIBUTED ACROSS POPULATIONS AND BRAIN AREAS? PRINCIPAL INVESTIGATOR: SHAUL DRUCKMANN	75,000
SYRACUSE UNINVERSTY 640 SKYTOP ROAD SYRACUSE, NY 13244	NONE	PC	TWO-PHOTON TRACKING TECHNOLOGY TO READ AND MANIPULATE NEURAL PATTERNS IN FREELY MOVING ANIMALS. PRINCIPAL INVESTIGATOR: MIRNA MIHOVILOVIC SKANATA	100,000
TEXAS STATE UNIVERSITY & NORTHWESTERN UNIVERSITY 601 UNIVERSITY DRIVE SAN MARCOS, TX 78666	NONE	GOV	DOES SUPERIOR SLEEP PHYSIOLOGY CONTRIBUTE TO SUPERIOR MEMORY FUNCTION? IMPLICATIONS FOR COUNTERACTING FORGETTING. PRINCIPAL INVESTIGATOR: CARMEN WESTERBERG & KEN PALLER	100,000
UNIVERSITY OF ALABAMA & MOUNT SINAI MEDICAL SCHOOLS 500 UNIVERSITY BOULEVARD EAST TUSCALOOSA, AL 35401	NONE	GOV	LEVERAGING SINGLE-CELL EPIGENOMICS FOR TARGETED MANIPULATION OF DRUG-ACTIVATED ENSEMBLE. PRINCIPAL INVESTIGATOR: JEREMY DAY & IAN MAZE	100,000
UC BERKELEY & NYU 175 LI KA SHING CENTER MC #3370 BERKELEY, CA 94720	NONE	GOV	PHOTO-ACTIVATION OF DOPAMINE RECEPTORS IN MODELS OF PARKINSON'S DISEASE. PRINCIPAL INVESTIGATOR: EHUD ISACOFF & DIRK TRAUNER	100,000
UC SAN FRANCISCO 675 NELSON RISING LANE ROOM 514D SAN FRANCISCO, CA 94158	NONE	GOV	NEW MYELIN FORMATION IN SYSTEMS CONSOLIDATION AND RETRIEVAL OF REMOTE MEMORIES. PRINCIPAL INVESTIGATOR: MAZEN KHEIRBEK & JONAH CHAN	100,000
UNC CHAPEL HILL MARY ELLEN JONES BLDG, RM 6008B 116 MANNING DRIVE CHAPEL HILL, NC 27599	NONE	PC	ELUCIDATING THE NEURAL BASIS OF PAIN UNPLEASANTNESS: CIRCUITS AND NEW THERAPEUTICS TO END THE DUAL EPIDEMIC OF CHRONIC PAIN AND OPIOID ADDICTION. PRINCIPAL INVESTIGATOR: GREGORY SCHERRER	100,000
UNIVERSITY OF CALIFORNIA, BERKELEY 175 LI KA SHING CENTER MC #3370 BERKELEY, CA 94720	NONE	GOV	ILLUMINATING OXYTOCIN SIGNALING IN THE BRAIN WITH NEAR-INFRARED FLUORESCENT NANOSENSORS. PRINCIPAL INVESTIGATOR: MARKITA LANDRY, PH.D.	75,000
UNIVERSITY OF CALIFORNIA, BERKELEY 175 LI KA SHING CENTER MC #3370 BERKELEY, CA 94720	NONE	GOV	NEUROTENSIN MEDIATED REGULATION OF HEDONIC FEEDING BEHAVIOR AND OBESITY. PRINCIPAL INVESTIGATOR: STEPHAN LAMMEL	100,000
UNIVERSITY OF COLORADO SCHOOL OF MEDICINE BMG, MAIL STOP 8101	NONE	PC	A NEW TECHNOLOGY TO CONTROL THE TRANSCRIPTOME. PRINCIPAL	100,000

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12801 EAST 17TH AVE. ROOM L18-9100 AURORA, CO 80045			INVESTIGATOR: JEFFREY KIEFT	
UNIVERSITY OF ILLINOIS AT CHICAGO 1200 W HARRISON ST CHICAGO, IL 60607	NONE	GOV	SUB-10 NM SPATIAL PROFILING OF SYNAPTIC PROTEINS AND RNA TRANSCRIPTS WITH HIGH-ISOTROPY EXPANSION MICROSCOPY USING A HIGHLY HOMOGENOUS HYDROGEL CONSTRUCTED FROM TETRAHEDRON-LIKE MONOMERS. PRINCIPAL INVESTIGATOR: RUIXUAN GAO, PH.D.	100,000
UNIVERSITY OF IOWA SCHOOL OF MEDICINE 169 NEWTON RD. 2400 PBDB IOWA CITY, IA 52242	NONE	PC	BRAIN-WIDE ELECTRICAL CONNECTIVITY IN MIGRAINE: TOWARD THE DEVELOPMENT OF NETWORK BASED THERAPEUTICS. PRINCIPAL INVESTIGATOR: RAINBO HULTMAN	100,000
UNIVERSITY OF MICHIGAN 1105 NORTH UNIVERSITY ROOM 4218 ANN ARBOR, MI 48109	NONE	PC	A FEMINIST FRAMING OF FRUITLESS: MALENESS AS A SUPPRESSION OF FEMALE NEURAL PROGRAMS. PRINCIPAL INVESTIGATOR: E. JOSIE CLOWNEY	75,000
UNIVERSITY OF MICHIGAN 1105 NORTH UNIVERSITY ROOM 4218 ANN ARBOR, MI 48109	NONE	PC	CELLULAR MECHANISMS CONTROLLING CIRCADIAN RYTHMS. PRINCIPAL INVESTIGATOR: SWATHI YADLAPALLI	75,000
UNIVERSITY OF MINNESOTA 117 PLEASANT ST SE MINNEAPOLIS, MN 55455	NONE	PC	ROBOT-ASSISTED BRAIN-WIDE RECORDINGS IN FREELY BEHAVING MICE. PRINCIPAL INVESTIGATOR: SUHASA KODANDARAMAIAH	100,000
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER 5323 HARRY HINES BLVD DALLAS, TX 75390	NONE	GOV	UNDERSTANDING THE CONSTRUCTION AND FUNCTION OF GLYCINERGIC POST-SYNAPTIC ASSEMBLIES. PRINCIPAL INVESTIGATOR: WEIWEI WANG, PH.D.	75,000
UNIVERSITY OF WASHINGTON 400 S UNIVERSITY DR WEST BEND, WI 53095	NONE	GOV	MASSIVELY PARALLEL, HIGH THROUGHPUT ENGINEERING OF OPTOGENETIC BIOSENSORS FOR NEURONAL SIGNALING. PRINCIPAL INVESTIGATOR: ANDRE BERNDT, PH.D.	100,000
YALE UNIVERSITY SCHOOL OF MEDICINE 333 CEDAR ST NEW HAVEN, CT 06510	NONE	PC	FROM GUT TO BRAIN: UNDERSTANDING THE PROPAGATION OF PARKINSON'S DISEASE. PRINCIPAL INVESTIGATOR: RUI CHANG & SREEGANGA CHANDRA	100,000

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BOSTON UNIVERSITY PSYCHOLOGICAL AND BRAIN SCIENCES 610 COMMONWEALTH AVE BOSTON, MA 02215	NONE	PC	MCKNIGHT PECOT FELLOWSHIP 2022. PRINCIPAL INVESTIGATOR: DR. STEVE RAMIREZ	16,500
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI ONE GUSTAVE L. LEVY PLACE NEW YORK, NY 10029	NONE	PC	MULTISCALE NEURAL NETWORK MODELS TO INFER FUNCTIONAL MOTIFS IN THE BRAIN. PRINCIPAL INVESTIGATOR: KANAKA RAJAN, PH.D.	225,000
MASSACHUSETTS GENERAL HOSPITAL/HARVARD MEDICAL SCHOOL 125 NASHUA STREET SUITE 540 BOSTON, MA 02114	NONE	PC	DEVELOPMENT, FUNCTION, AND DYSFUNCTION OF SOMATOSENSORY AND VISCEROSENSORY SYSTEMS IN AUTISM SPECTRUM DISORDER. PRINCIPAL INVESTIGATOR: LAUREN OREFICE, PH.D.	225,000
NEW YORK UNIVERSITY 4 WASHINGTON PLACE ROOM 621 NEW YORK, NY 10003	NONE	PC	NEURAL CIRCUIT MECHANISMS OF INFERENCE. PRINCIPAL INVESTIGATOR: CHRISTINE CONSTANTINOPLE, PH.D.	225,000
NEW YORK UNIVERSITY 4 WASHINGTON PLACE ROOM 621 NEW YORK, NY 10003	NONE	PC	MCKNIGHT PECOT FELLOWSHIP 2022. PRINCIPAL INVESTIGATOR: DR. DAVID SCHNEIDER	16,500
PRINCETON UNIVERSITY P.O. BOX 430 PRINCETON, NJ 08542	NONE		PROPORTIONAL-INTEGRAL FEEDBACK IN A BIOLOGICAL 'GYROSCOPE'. PRINCIPAL INVESTIGATOR: BRADLEY DICKERSON, PH.D.	225,000
SYRACUSE UNINVERSTY 640 SKYTOP ROAD SYRACUSE, NY 13244	NONE	PC	TWO-PHOTON TRACKING TECHNOLOGY TO READ AND MANIPULATE NEURAL PATTERNS IN FREELY MOVING ANIMALS. PRINCIPAL INVESTIGATOR: MIRNA MIHOVILOVIC SKANATA	200,000
THE REGENTS OF THE UNIVERSITY OF MICHIGAN 500 S. STATE STREET ANN ARBOR, MI 48109	NONE	PC	MCKNIGHT PECOT FELLOWSHIP 2022. PRINCIPAL INVESTIGATOR: DR. ELEANOR CLOWNEY	16,500
UNIVERSITY OF CALIFORNIA, BERKELEY 175 LI KA SHING CENTER MC #3370 BERKELEY, CA 94720	NONE	GOV	ILLUMINATING OXYTOCIN SIGNALING IN THE BRAIN WITH NEAR-INFRARED FLUORESCENT NANOSENSORS. PRINCIPAL INVESTIGATOR: MARKITA LANDRY, PH.D.	225,000
UNIVERSITY OF GEORGIA 1120 15TH ST AUGUSTA, GA 30912	NONE	PC	MCKNIGHT PECOT FELLOWSHIP 2022. PRINCIPAL INVESTIGATOR: DR. RACHEL ROBERTS - GALBRAITH	16,500
UNIVERSITY OF ILLINOIS AT CHICAGO 1200 W HARRISON ST CHICAGO, IL 60607	NONE	GOV	SUB-10 NM SPATIAL PROFILING OF SYNAPTIC PROTEINS AND RNA TRANSCRIPTS WITH HIGH-ISOTROPY EXPANSION MICROSCOPY USING A HIGHLY HOMOGENOUS HYDROGEL CONSTRUCTED FROM TETRAHEDRON-LIKE MONOMERS. PRINCIPAL INVESTIGATOR: RUIXUAN GAO, PH.D.	200,000
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER 5323 HARRY HINES BLVD DALLAS, TX 75390	NONE	GOV	UNDERSTANDING THE CONSTRUCTION AND FUNCTION OF GLYCINERGIC POST-SYNAPTIC ASSEMBLIES. PRINCIPAL INVESTIGATOR: WEIWEI WANG, PH.D.	225,000
UNIVERSITY OF WASHINGTON 400 S UNIVERSITY DR WEST BEND, WI 53095	NONE	GOV	MASSIVELY PARALLEL, HIGH THROUGHPUT ENGINEERING OF OPTOGENETIC BIOSENSORS FOR NEURONAL SIGNALING. PRINCIPAL INVESTIGATOR: ANDRE BERNDT, PH.D.	200,000
UNIVERSITY OF WASHINGTON 400 S UNIVERSITY DR WEST BEND, WI 53095	NONE	GOV	MCKNIGHT PECOT FELLOWSHIP 2022. PRINCIPAL INVESTIGATOR: DR. JOHN TUTHILL	16,500