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For the 2015 colondor year or tay year beginning 12 01 2015

DLN: 93493283014177

Form **990**

Department of the Treasury Internal Revenue Service

Return of Organization Exempt From Income Tax

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

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

and anding 11 20 2016

► Information about Form 990 and its instructions is at <u>www IRS gov/foim990</u>

2015

OMB No 1545-0047

Open to Public Inspection

| | | | C Name of organization | ming 12-01-2015 , and ending 11-30-2 | 010 | D Employ | er iden | tification number | | | |
|-----------------------------|--|---|--|---|-------------------------|---|----------------|----------------------------|--|--|--|
| _ | eck if app ddress ch | | VAN ANDEL RESEARCH INSTITUT | Ē | | | | | | | |
| _ | ame char | - | David hua | | | 52-20 | υυ 823 | | | | |
| | itial retur | - | Doing business as | | | | | | | | |
| Fi | nal /terminat | -od | Number and street (or P O box | If mail is not delivered to street address) Room/ | suite | E Telepho | ne numb | per | | | |
| _ | nended re | | 333 BOSTWICK AVENUE NE | <u> </u> | | (616) | 234-5 | 000 | | | |
| _ | plication | | | country, and ZIP or foreign postal code | | | | | | | |
| | | | GRAND RAPIDS, MI 49503 | | | G Gross re | eceipts \$ | 61,266,156 | | | |
| | | | F Name and address of prir | ncıpal officer | H(a) I | s this a group | return | for | | | |
| | | | TIMOTHY J MYERS 333 BOSTWICK AVENUE (| N F | 9 | subordinates? | | ☐ Yes 🗸 | | | |
| | | | GRAND RAPIDS, MI 4950 | | | No Are all subordıı | nates | | | | |
| I Ta | x-exemp | t status | ✓ 501(c)(3) | ◀ (insert no) 4947(a)(1) or 527 | | ncluded? | iaces | Yes No | | | |
| J W | ebsite: | ► ww | /W VAI ORG | | | f "No," attach | a list (| (see instructions) | | | |
| | | | | | | Group exempti | | | | | |
| K Forr | m of orga | nızatıon | Corporation Trust Ass | ociation Other > | L Year | of formation 199 | 96 M : | State of legal domicile MI | | | |
| Pa | rt I | Sum | mary | | | | ' | | | | |
| | | | scribe the organization's miss _ RESEARCH ORGANIZATIO | ion or most significant activities | | | | | | | |
| e) | ===================================== | DICAL | | | | | | | | | |
| <u>=</u> | | | | | | | | | | | |
| Ĕ | | | | | | | | | | | |
| Governance | 2 CI | neck th | nis box ▶ ☐ if the organization | n discontinued its operations or dispose | d of more tl | nan 25% of its | net as | sets | | | |
| | 3 Nı | ımher i | of voting members of the gove | erning body (Part VI, line 1a) | | 1 | з | 7 | | | |
| ₹ 0 | | | - | rs of the governing body (Part VI, line 1 | | | 4 | | | | |
| Ĕ | | | | in calendar year 2015 (Part V, line 2a) | • | | 5 | 424 | | | |
| Activities & | | | | if necessary) | | | 6 | 0 | | | |
| Q. | | | · | Part VIII, column (C), line 12 | | | 7a | 30,949 | | | |
| | b Net | t unrela | ated business taxable income | from Form 990-T, line 34 | | | 7b | -9,482 | | | |
| | | | | | | Prior Year | | Current Year | | | |
| | 8 | Contri | ibutions and grants (Part VIII | | 56,036,1 | 29 | 50,933,876 | | | | |
| ēΠ | 9 Program service revenue (Part VIII, line 2g) | | | | | | .32 | 1,303,818 | | | |
| Ravenue | 10 | Investment income (Part VIII, column (A), lines 3, 4, and 7d) | | | | 456,0 | 48 | 588,028 | | | |
| ď | 11 | Other | revenue (Part VIII, column (| A), lines 5, 6d, 8c, 9c, 10c, and 11e) | | 7,489,8 | 58 | 6,683,167 | | | |
| | 12 | Total 12) | revenue—add lines 8 through | 11 (must equal Part VIII, column (A), l | ine | 65,448,2 | 67 | 59,508,889 | | | |
| | 13 | Grants | s and sımılar amounts paıd (P | art IX, column (A), lines 1-3) | | 764,3 | 40 | 1,008,183 | | | |
| | 14 | Benefi | its paid to or for members (Pa | rt IX, column (A), line 4) | | | 0 | 0 | | | |
| 8 | 15 | Saları 5–10 | | oyee benefits (Part IX, column (A), lines | 5 | 32,131,2 | .59 | 35,314,051 | | | |
| ens | 16a | Profes | ssional fundraising fees (Part | IX, column (A), line 11e) | | | 0 | 0 | | | |
| Expenses | b | Total fu | undraising expenses (Part IX, column | n (D), line 25) ▶ <mark>800,315</mark> | | | | | | | |
| _ | 17 | Other | expenses (Part IX, column (A | A), lines 11a-11d, 11f-24e) | | 36,245,0 | 67 | 36,321,022 | | | |
| | 18 | Total | expenses Add lines 13-17 (| must equal Part IX, column (A), line 25) |) | 69,140,6 | 66 | 72,643,256 | | | |
| | 19 | Reven | nue less expenses Subtract li | ne 18 from line 12 | - | -3,692,3 | 99 | -13,134,367 | | | |
| Net Assets or Fund Balances | | | | | Beginn | ing of Current \ | 'ear | End of Year | | | |
| alar | 20 | Total | assets (Part X, line 16) . | | . — | 250,842,1 | 42 | 247,782,645 | | | |
| t As | 21 | | liabilities (Part X, line 26) | | | 338,375,4 | | 344,529,031 | | | |
| ŞŢ | 22 | | | act line 21 from line 20 | . | -87,533,2 | | -96,746,386 | | | |
| Pai | t II | Sign | ature Block | | | | ' | | | | |
| my ki | nowled <u>c</u> | ties of ge and | perjury, I declare that I have | examined this return, including accomp complete Declaration of preparer (other | , - | | | • | | | |
| | | <u> </u> | | | | 2017-10-10 | | | | | |
| Sign | | Signa | ature of officer | | | Date | | | | | |
| Here | e | | OTHY J MYERS VICE PRESIDENT & C | FO | | | | | | | |
| | | <u> </u> | e or print name and title | I Day was was as a second | D-1 | , , , , , , , , , , , , , , , , , , , | DTT | | | | |
| . | | | Print/Type preparer's name ANNE FULTON | Preparer's signature ANNE FULTON | Date | Check I if | PTIN P00941 | 863 | | | |
| Paid | | _ - | Firm's name DELOITTE TAX LLP | I | | self-employed Firm's EIN ► 86 | elf-employed | | | | |
| | parer | · - | Firm's address ► 200 RENAISSANCE | CENTER STE 3900 | Phone no (313) 396-3000 | | | | | | |
| use | Only | / | DETROIT, MI 4824 | 3 | ' ' | | | | | | |
| | | | , | | | 1 | | | | | |

| Par | t IV Checklist of Required Schedules | | | |
|-----|---|-------------|-----|----|
| | | | Yes | No |
| 1 | Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A 2 | 1 | Yes | |
| 2 | Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)? 🔰 | 2 | Yes | |
| 3 | Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I | 3 | | No |
| 4 | Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II | 4 | Yes | |
| 5 | Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III | 5 | | No |
| 6 | Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I | 6 | | No |
| 7 | Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II | 7 | | No |
| 8 | Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III | 8 | | No |
| 9 | Did the organization report an amount in Part X, line 21 for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV | 9 | | No |
| 10 | Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? If "Yes," complete Schedule D, Part V 🕏 | 10 | | No |
| 11 | If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable | | | |
| | Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI | 11a | Yes | |
| | Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII | 11b | | No |
| | Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII | 11 c | | No |
| | Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX | 11 d | Yes | l |
| е | Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X | 11e | Yes | |
| f | Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X | 11 f | Yes | |
| 12a | Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII | 12a | | No |
| b | Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional | 12 b | Yes | |
| 13 | Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E | 13 | | No |
| 14a | Did the organization maintain an office, employees, or agents outside of the United States? | 14a | Yes | |
| b | Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV | 14b | Yes | |
| 15 | Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV | 15 | Yes | |
| 16 | Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV | 16 | | No |
| 17 | Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions) | 17 | | No |
| 18 | Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II | 18 | Yes | |
| 19 | Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III | 19 | | No |
| 20a | Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H | 20a | | No |
| b | If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return? | 20b | | |

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

| Part V | Statements | Regarding | Other I | IRS Filinas | and Tax | Compliance |
|--------|------------|-----------|---------|-------------|---------|------------|
| | | | | | | |

| | | Statements Regarding Other IRS Filings and Tax Compliance Check if Schedule O contains a response or note to any line in this Part V | | <u></u> | | |
|----|------------------------------|---|-----------|------------|-----|----|
| | | | г | | Yes | No |
| | | the number reported in Box 3 of Form 1096 Enter -0 - if not applicable 1a | 112 | | | |
| | | the number of Forms W-2G included in line 1a Enter -0 - if not applicable | 0 | | | |
| С | | e organization comply with backup withholding rules for reportable payments to vendors and reportabl g (gambling) winnings to prize winners? | e • | 1c | | |
| | Enter t | he number of employees reported on Form W-3, Transmittal of Wage and atements, filed for the calendar year ending with or within the year covered return | 424 | | | |
| b | If at lea | ast one is reported on line 2a, did the organization file all required federal employment tax returns? If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions) | 727 | 2b | Yes | |
| 3a | | e organization have unrelated business gross income of \$1,000 or more during the year? | | 3a | Yes | |
| | | "has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O | . | 3b | Yes | |
| | over, a | time during the calendar year, did the organization have an interest in, or a signature or other author financial account in a foreign country (such as a bank account, securities account, or other financial at)? | | 4a | | No |
| b | If "Yes See ins (FBAR) | ;," enter the name of the foreign country ▶ | S | | | |
| 5a | Was th | e organization a party to a prohibited tax shelter transaction at any time during the tax year? | | 5a | | Νo |
| b | Did any | y taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction? | | 5b | | Νo |
| c | If"Yes | ," to line 5a or 5b, did the organization file Form 8886-T? | ļ | | | |
| | | he organization have annual gross receipts that are normally greater than \$100,000, and did the | - | 5c 6a | | No |
| | If"Yes | zation solicit any contributions that were not tax deductible as charitable contributions? | r gıfts | 6b | | |
| 7 | | zations that may receive deductible contributions under section 170(c). | ŀ | | | |
| а | Did the | e organization receive a payment in excess of \$75 made partly as a contribution and partly for goods es provided to the payor? | and | 7a | | No |
| b | If"Yes | ," did the organization notify the donor of the value of the goods or services provided? | | 7b | | |
| | | e organization sell, exchange, or otherwise dispose of tangible personal property for which it was required 8282? | red to | 7 c | | No |
| d | If"Yes | ," indicate the number of Forms 8282 filed during the year | | | | |
| e | Did the | e organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contrac | t? | 7e | | No |
| f | Did the | e organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? | [| 7f | | No |
| g | If the o | organization received a contribution of qualified intellectual property, did the organization file Form 88 | 99 as | 7 g | | |
| | Form 1 | organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization fi | le a • | 7h | | |
| 8 | Did a d | oring organizations maintaining donor advised funds. Ionor advised fund maintained by the sponsoring organization have excess business holdings at any t the year? | ime | 8 | | |
| 9a | Did the | e sponsoring organization make any taxable distributions under section 4966? | Ī | 9a | | |
| b | Did the | e sponsoring organization make a distribution to a donor, donor advisor, or related person? | | 9b | | |
| D | Section | n 501(c)(7) organizations. Enter | Ī | | | |
| а | Initiati | on fees and capital contributions included on Part VIII, line 12 10a | | | | |
| b | Gross i | receipts, included on Form 990, Part VIII, line 12, for public use of club | | | | |
| 1 | | n 501(c)(12) organizations. Enter | 1 | | | |
| а | Gross | income from members or shareholders | | | | |
| b | | income from other sources (Do not net amounts due or paid to other sources t amounts due or received from them) | | | | |
| 2a | Section | n 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041? | | 12a | | |
| | | ," enter the amount of tax-exempt interest received or accrued during the | - | | | |
| 3 | Section | n 501(c)(29) qualified nonprofit health insurance issuers. | | | | |
| а | | organization licensed to issue qualified health plans in more than one state? Note. See the instruction inal information the organization must report on Schedule O | s for | 13a | | |
| b | Entert | the amount of reserves the organization is required to maintain by the states have been been been been been been been be | • | | | |
| c | Entert | he amount of reserves on hand |] | | | |
| 4a | Did the | e organization receive any payments for indoor tanning services during the tax year? | | 14a | | No |
| ь | If "Yes | ," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O | Ī | 14b | | |

Part VI Governance, Management, and Disclosure

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

| | | | Yes | No |
|-----|---|-------------|-----|-------|
| | Enter the number of voting members of the governing body at the end of the tax year | | | |
| | If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O | | | |
| | Enter the number of voting members included in line 1a, above, who are independent 1b 5 | | | |
| | Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee? | 2 | Yes | |
| | Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person? | 3 | | No |
| | Did the organization make any significant changes to its governing documents since the prior Form 990 was filed? | 4 | | No. |
| 5 | Did the organization become aware during the year of a significant diversion of the organization's assets? | 5 | | No |
| 6 | Did the organization have members or stockholders? | 6 | | No No |
| | Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body? | 7a | Yes | |
| b | Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body? | 7b | | No |
| 8 | Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following | | | |
| | The governing body? | 8a | Yes | |
| | Each committee with authority to act on behalf of the governing body? | 8b | Yes | |
| | Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the | | | |
| | organization's mailing address? If "Yes," provide the names and addresses in Schedule O | 9 | | No |
| Sec | ction B. Policies (This Section B requests information about policies not required by the Internal R | evenu | | |
| | | | Yes | No |
| | Did the organization have local chapters, branches, or affiliates? | 10a | | No_ |
| | If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes? | 10b | | |
| 11a | Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing | 11a | Yes | |
| b | Describe in Schedule O the process, if any, used by the organization to review this Form 990 | | | |
| 12a | Did the organization have a written conflict of interest policy? If "No," go to line 13 | 12a | Yes | |
| | Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts? | 12b | Yes | |
| c | Did the organization regularly and consistently monitor and enforce compliance with the policy? <i>If "Yes," describe in Schedule O how this was done</i> | 12 c | Yes | |
| | Did the organization have a written whistleblower policy? | 13 | Yes | |
| | Did the organization have a written document retention and destruction policy? | 14 | Yes | |
| 15 | Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision? | | | |
| | The organization's CEO, Executive Director, or top management official | 15a | Yes | |
| b | Other officers or key employees of the organization | 15b | Yes | |
| | If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions) | | | |
| | Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year? | 16 a | | No |
| b | If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements? | 16 b | | |
| Sec | ction C. Disclosure | | ' | |
| 17 | List the States with which a copy of this Form 990 is required to be filed | | | |
| | MI Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c) (3)s only) available for public inspection. Indicate how you made these available. Check all that apply | | | |
| 19 | Own website Another's website Vipon request Other (explain in Schedule O) Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of | | | |
| 20 | interest policy, and financial statements available to the public during the tax year State the name, address, and telephone number of the person who possesses the organization's books and record ▶TIMOTHY J MYERS VP & CFO 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 (616) 234-5 | | | |

Part VII

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

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

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

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

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

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

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

| (A) Name and Title | week (list any hours | verage Position (do not check more than one box, unless ek (list person is both an officer and a director/trustee) Reportable Re compensation com from the from the organization organizati | | | | | (E) Reportable compensation from related organizations | (F) Estimated amount of other compensation | | |
|---|--|--|-----------------------|---------|--------------|------------------------------|--|--|----------------------|--|
| | organizations below dotted line) | Individual trustee or director | Institutional Trustee | Officer | Key employee | Highest compensated employee | Former | (W- 2/1099- MISC) | (W- 2/1099- MISC) | from the organization and related organizations |
| (1) DAVID VAN ANDEL | 36 00 | × | | × | | | | 460,118 | 0 | 97,010 |
| CHAIRMAN / CEO | 17 00 | | | | | | _ | | | |
| (2) DR GEORGE VANDE WOUDE TRUSTEE/ INVESTIGATOR | 45 00 0 00 | x | | | | | | 314,025 | 0 | 22,903 |
| (3) DR JAMES FAHNER TRUSTEE | 1 00 | х | | | | | | 10,000 | 2,000 | 0 |
| (4) DR RALPH WEICHSELBAUM TRUSTEE | 1 00 | × | | | | | | 8,000 | 0 | 0 |
| (5) DR MAX WICHA | 1 00 | | | | | | | | | |
| TRUSTEE | 0 00 | × | | | | | | 5,000 | 0 | 0 |
| (6) DR MICHELLE LEBEAU TRUSTEE | 1 00 | x | | | | | | 0 | 0 | 0 |
| (7) DR TOM DEMEESTER TRUSTEE | 1 00 | x | | | | | | 0 | 0 | 0 |
| (8) DR JANA HALL | 0 00 52 00 | | | | | | | | | |
| CHIEF OPERATIONS OFFICER | 3 00 | | | х | | | | 376,331 | 0 | 88,423 |
| (9) DAVID WHITESCARVER SECRETARY/V P & CHIEF LEGAL OFFICER | 3 00 | | | x | | | | 368,119 | 0 | 93,443 |
| (10) TIMOTHY MYERS V P & CHIEF FINANCIAL OFFICER | 50 00 3 00 | | | × | | | | 296,165 | 0 | 78,374 |
| (11) DR PETER JONES CHIEF SCIENTIFIC OFFICER & RES DIR | 53 00 | | | | х | | | 718,385 | 0 | 162,112 |
| (12) KATHY VOGELSANG CHIEF INVESTMENT OFFICER | 0 00 45 00 0 00 | | | | | х | | 448,562 | 0 | 166,450 |
| (13) DR PATRIK BRUNDIN VARI ASSOCIATE DIRECTOR OF RESEARCH | 45 00 | | | | | х | | 496,115 | 0 | 81,487 |
| (14) DR GERALD CALLAHAN V P , INNOVATIONS & COLLABORATIONS | 45 00 | | | | | Х | | 353,343 | 0 | 108,630 |
| | 0.00 | | | | | | | | | Form 990 (2015) |

112 54TH ST SW GRAND RAPIDS, MI 49548

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

| | (A) Name and Title | (B) A verage hours per week (list any hours for related | m unle: | ore t ss pe | han erso cer | not one n is and | | | Repo compo fro organ (W- 2 | (D) ortable ensation in the nization /1099- | (E) Reportal compensa from rela organizati (W- 2/10 | tion ted ons 99- | Estin amou otl compe from | F) mated unt of her nsation i the |
|--------------|--|---|-----------------------------------|-----------------------|--------------------|---------------------------|------------------------------|--------|--|---|---|---------------------------|---------------------------------------|-----------------------------------|
| | | organizations below dotted line) | individual trustee or director | Institutional Trustee | Officer | key employee | Highest compensated employee | Former | M: | (SC) | MISC |) | and re | ization elated zations |
| | DR PETER LAIRD | 45 00 | | | | | х | | | 380,163 | | 0 | | 55,398 |
| (16) | itigator Dr Gerd Pfeifer Itigator | 0 00 45 00 0 00 | | | | | х | | | 345,252 | | 0 | | 37,145 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1b | Sub-Total | | | | <u> </u> | | | | | | | | | |
| c d | Total from continuation sheets to Part VII Total (add lines 1b and 1c) | • | • • | | <u> </u> | | | 4,57 | 79,578 | | 2,000 | | ı | 991,375 |
| 2 | Total number of individuals (including but r \$100,000 of reportable compensation from | | | | bove | e) wl | ho rec | eive | ed more | e than | | | | |
| 3 | Did the organization list any former officer, on line 1a? If "Yes," complete Schedule J for | | | y em | ploy | yee, | or hi | ghes | stcomp | ensated | employee | | Yes | No |
| 4 | For any individual listed on line 1a, is the sorganization and related organizations great | um of reportable ter than \$150,0 | comp | f "Yes | s," c | | | | | | n the | 3 | | No |
| 5 | Did any person listed on line 1a receive or services rendered to the organization? If "Y | accrue compens | | | any | | | | | ion or ind | ividual for | 5 | Yes | No |
| Se | ection B. Independent Contractors | | | | | | | | | | | | • | |
| 1 | Complete this table for your five highest co | | | | | | | | | | | | tax year | |
| PRES | (A) Name and busin IDIO INFRASTRUCTURE ILC | ess address | | | | - | | | | (E Description LTING SER\ | of services | | (C Comper | |
| DALLA | 0X 677638 LS, TX 752677638 ECURITY INC | | | | | | | | SECUR | ITY SERVIC | ES | | | 314,391 |
| 5160 KENT | FALCONVIEW AVE SE WOOD, MI 49512 | | | | | | | | | | | | | |
| РО ВО | RAL EXPRESS DX 371461 | | | | | | | | SHIPPII | NG | | | | 191,243 |
| | BURGH, PA 152512125 GMAN MILLER SCHWARTZ LLC | | | | | | | | LEGAL / | ' CONSULTI | NG | \dashv | | 184,580 |
| DETR | VOODWARD AVE OIT, MI 48226 RALARM SYSTEMS INC | | | | | | | | SECTION | ITY SERVIC | EC | | | 160 117 |

Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ► 14

| Part VIII | | Statement o | f Revenue | | | | | | | | |
|---|--------|---|---|-----------------------|-----------------------------|--|---|--|--|--|--|
| | | Check if Schedu | ıle O contaıns a respon | se or note to any lir | ne in this Part VIII | <u></u> | <u>.</u> | | | | |
| | | | | | (A) Total revenue | (B) Related or exempt function revenue | (C) Unrelated business revenue | (D) Revenue excluded from tax under sections 512-514 | | | |
| u B | 1a | Federated camp | paigns 1a | | | | | | | | |
| E E | ь | Membership du | es 1b | | | | | | | | |
| Gr. | c | Fundraising eve | ents 1c | 47,459 | | | | | | | |
| Ę. | d | Related organiz | | 33,586,093 | | | | | | | |
| Gil | | _ | | | | | | | | | |
| ns, Sirr | е | Government grants | | 13,308,015 | | | | | | | |
| er S | f | All other contribution similar amounts no | ons, gifts, grants, and 1f of included above | 3,992,309 | | | | | | | |
| Contributions, Giffs, Grants and Other Similar Amounts | g | | ons included in lines | 517,208 | | | | | | | |
| Conti | h | 1a-1f \$ Total. Add lines | 1 1 2 - 1 f | | 50,933,876 | | | | | | |
| <u>ة ت</u> | | Total. Add filles | , id-ii | • | 30,333,070 | | | | | | |
| - | | BEGEAR GU BY 155 | 2514 | Business Code | | | | | | | |
| Program Service Revenue | 2a | RESEARCH BILLED | KEV . | 541700 | 1,303,818 | 1,272,869 | 30,949 | | | | |
| a ž | b | | | | | | | | | | |
| AC É | C | | | | | | | | | | |
| ₹ | d | | | | | | | | | | |
| an | e | All other progra | m coruco rovonuo | | | | | | | | |
| rogr | f | All other progra | ım service revenue | | | | | | | | |
| <u>~</u> | g | Total. Add lines | s 2a-2f | • | 1,303,818 | | | | | | |
| | 3 | | ome (including dividend ar amounts) | | 608,563 | | | 608,563 | | | |
| | 4 | | tment of tax-exempt bond p | F | | | | | | | |
| | 5 | Royalties | | ▶ | 453,586 | | | 453,586 | | | |
| | | | (ı) Real | (II) Personal | | | | | | | |
| | 6a | Gross rents | 1,508,467 | | | | | | | | |
| | ь | Less rental | 1,493,552 | | | | | | | | |
| | _ ا | expenses Rental income | 14,915 | | | | | | | | |
| | ` | or (loss) | · | | 14,915 | | | 14,915 | | | |
| | " | Net rental incor | (i) Securities | ▶ (II) O ther | 11,513 | | | 11,313 | | | |
| | 7a | Gross amount from sales of assets other than inventory | 220,927 | (ii) o thei | | | | | | | |
| | ь | Less cost or other basis and sales expenses | 230,046 | 11,416 | | | | | | | |
| | C | Gain or (loss) | -9,119 | -11,416 | | | | | | | |
| | d | | s) | | -20,535 | | | -20,535 | | | |
| Other Revenue | 04 | Ψ | luding ,459 reported on line 1c) | | | | | | | | |
| her | | | a | 9,860 | | | | | | | |
| O T | | | penses b Toss)from fundraising e | 22,253 | -12,393 | | | -12,393 | | | |
| | 9a | | rom gaming activities | events ▶ | -12,353 | | | -12,333 | | | |
| | l | | a penses b loss) from gaming activ | vities | | | | | | | |
| | 10a | Gross sales of i returns and allo | wances . | > | | | | | | | |
| | b c | Less cost of go | a pods sold b loss) from sales of inve | entory ▶ | | | | | | | |
| | | Miscellaneous | | Business Code | | | | | | | |
| | 11a | ALLOCATED A | DMIN EXP | 561000 | 5,877,268 | | | 5,877,268 | | | |
| | b | REIMBURSED | EXPENSES | 900099 | 262,382 | | | 262,382 | | | |
| | C | | | | | | | | | | |
| | d | | ue [| | 87,409 | | | 87,409 | | | |
| | e | Total. Add lines | 3 11a-11d | • | 6,227,059 | | | | | | |
| | 12 | Total revenue. | See Instructions | · · · • | 59,508,889 | 1,272,869 | 30,949 | 7,271,195 | | | |

Part IX Statement of Functional Expenses
Section 501(c)(3) and 501(c)(4) organizations must complete all columns All other organizations must complete column (A)

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

| | ot include amounts reported on lines 6b, o, 9b, and 10b of Part VIII. | (A) Total expenses | (B) Program service expenses | (C) Management and general expenses | (D) Fundraising expenses |
|----------|--|-----------------------|------------------------------------|---|---------------------------------------|
| 1 | Grants and other assistance to domestic organizations and domestic governments See Part IV, line 21 | 526,007 | 526,007 | | |
| 2 | Grants and other assistance to domestic individuals See Part IV, line 22 | | | | |
| 3 | Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 | 328,146 | 328,146 | | |
| | and 16 | 154,030 | 154,030 | | |
| 4 | Benefits paid to or for members | | | | |
| 5 | Compensation of current officers, directors, trustees, and key employees | 2,728,257 | 1,058,584 | 1,669,673 | |
| 6 | Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B) | | | | |
| 7 | Other salaries and wages | 25,889,699 | 15,912,072 | 9,443,070 | 534,557 |
| 8 | Pension plan accruals and contributions (include section $401(k)$ and $403(b)$ employer contributions) | 2,000,471 | 1,200,333 | 754,214 | 45,924 |
| 9 | Other employee benefits | 3,058,443 | 1,835,144 | 1,152,883 | 70,416 |
| 10 | Payroll taxes | | | | |
| | | 1,637,181 | 982,349 | 618,093 | 36,739 |
| 11 | Fees for services (non-employees) | | | | |
| a | Management | 477.000 | | 400.051 | |
| b | Legal | 477,838 | 46,987 | 430,851 | |
| C | Accounting | 71,808 | | 71,808 | |
| d | Lobbying | 124,034 | | 124,034 | |
| e f | Investment management fees | | | | |
| g | Other (If line 11g amount exceeds 10% of line 25, column (A) | | | | |
| 9 | amount, list line 11g expenses on Schedule O) | 2,432,065 | 2,077,025 | 350,277 | 4,763 |
| 12 | Advertising and promotion | 676,578 | 58,708 | 543,136 | 74,734 |
| 13 | Office expenses | 97,220 | 56,675 | 40,487 | 58 |
| 14 | Information technology | 270,677 | 125,142 | 145,343 | 192 |
| 15 | Royalties | | | | |
| 16 | Occupancy | 2,397,521 | 2,186,723 | 209,847 | 951 |
| 17 | Travel | 644,792 | 429,145 | 205,200 | 10,447 |
| 18 | Payments of travel or entertainment expenses for any federal, state, or local public officials | | | | |
| 19 | Conferences, conventions, and meetings | 235,222 | 180,453 | 52,921 | 1,848 |
| 20 | Interest | 8,721,337 | 7,263,246 | 1,458,091 | |
| 21 | Payments to affiliates | | | | |
| 22 | Depreciation, depletion, and amortization | 9,688,993 | 8,333,054 | 1,355,939 | |
| 23 24 | Insurance | 447,507 | 275,622 | 171,885 | |
| | 10% of line 25, column (A) amount, list line 24e expenses on Schedule O) | | | | |
| а | LAB SUPPLIES & SERVICES | 3,546,204 | 3,546,204 | | |
| b | EQUIPMENT & SOFTWARE | 2,896,321 | 1,499,921 | 1,389,252 | 7,148 |
| c | OTHER SCIENTIFIC | 1,200,387 | 1,200,387 | | |
| d | ALLOCATED EXPENSES | 566,458 | 560,189 | | 6,269 |
| e | All other expenses | 1,826,060 | 540,438 | 1,279,353 | 6,269 |
| 25 | Total functional expenses. Add lines 1 through 24e | 72,643,256 | 50,376,584 | 21,466,357 | 800,315 |
| 26 | Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation Check here ► ☐ if following SOP 98-2 (ASC 958-720) | | | | |
| | | | <u> </u> | <u>I</u> Fo | orm 990 (2015) |

Part X Balance Sheet

| Organizations that do not follow SFAS 117 (ASC 958), check here and complete lines 30 through 34. 30 Capital stock or trust principal, or current funds | Par | tΧ | Check if Schedule O contains a response or note to any lin | ne in this Dart V | | | _ |
|---|-------------|----|---|------------------------------------|-------------|-----|--------------|
| 1 | | | Check is Schedule of Contains a response of note to any in | Tellitilis Falt X | | · · | (B) |
| 2 Savings and temporary cash investments | | | | | | | • • |
| 3 Pledges and grants receivable, net 2,205,809 3 2,847,628 4 Accounts receivable, net 2,856,777 4 5,708,221 5 Loans and other receivables from current and former officers, cirectors, trustees, key employees, and highest compensated employees Complete Part II of Schedule L 5 6 Loans and other receivables from other disqualified persons (as defined under section 49,807(11)), persons described in section 49,931(12), persons described in evention 49,931(12), persons described in evention 49,931(12), and comprising employees and sponsoring grupmazous of section 50 IC(12) 6 7 Notes and loans receivable, net 1,516,6447 7 1,744,112 8 Inventiones for sale or use 1,140,525 9 1,072,577 9 Prepaid expenses and deferred charges 1,140,525 9 1,072,577 10a Land, buildings, and equipment cost or other basis 1,00 22,459,344 138,831 75 10c 118,842,888 11 Investments—publicy traded securities 1,140,424 12 1,481,372 12 Investments—other securities See Part IV, line 12 1,154,264 12 1,481,372 13 Investments—program related See Part IV, line 11 43,000,207 15 44,848,300 14 Intangible asset 1,197,971 17 55,730,005 16 Total assets Add lines 1 through 15 (must equal line 34) 200,000,000 20 220,000,000 17 Accounts payable and accrued expenses 51,117,971 17 55,730,005 18 Grents payable and accrued expenses 51,117,971 17 55,730,005 19 Deferred revenue 1,002,000 10 20 220,000,000 10 Total liabilities (including federal income tax, payables to related third parties 22 23 24 23 Secured mortgages and notes payable to urrelated third parties 24 24 24 24 Unrestricted net assets 2,748,300 27 -100,000,000 26 Total liabilities (including federal income tax, payables to related third parties 24 24 25 27 -100,000,000 26 Total liabilities (including federal income tax, payables to related third parties 27, | | 1 | Cash-non-interest-bearing | | | 1 | |
| 2 | | 2 | Savings and temporary cash investments | | 9,808,077 | 2 | 239,338 |
| Second and other receivables from current and former officers, circeters, trustees key employees, and highest compensated employees. Complete Part II of Schedule L. Second and Schrift Street S | | 3 | Pledges and grants receivable, net | | 2,205,839 | 3 | 2,847,628 |
| Second | | 4 | Accounts receivable, net | | 2,855,772 | 4 | 5,706,021 |
| Section 4958(f)(1)), persons described in section 4958(c)(3)(8), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions) Complete Part II of Schedule L | | 5 | key employees, and highest compensated employees Co | omplete Part II of | | 5 | |
| 8 | ets | 6 | section 4958(f)(1)), persons described in section 4958(contributing employers and sponsoring organizations of s voluntary employees' beneficiary organizations (see inst | c)(3)(B), and section 501(c)(9) | | | |
| 8 | SS | _ | Notes and leave accessible web | | 1 510 017 | | 1 744 140 |
| 9 | 4 | | ' | | 1,510,047 | | 1,744,112 |
| 10a | | _ | | | 1 460 500 | | 1,070,077 |
| 10 | | | Land, buildings, and equipment cost or other basis | 000 000 000 | 1,400,520 | 9 | 1,072,977 |
| 11 Investments—publicly traded securities 11 1,154,284 12 1,481,372 13 Investments—other securities See Part IV, line 11 1,154,284 12 1,481,372 13 Intangible assets 14 15 Other assets See Part IV, line 11 43,000,267 15 44,848,309 16 70tal assets. Add lines 1 through 15 (must equal line 34) 250,942,142 16 247,782,645 18 Grants payable and accrued expenses 51,117,987 17 55,795,065 18 Grants payable and accrued expenses 51,117,987 17 55,795,065 18 Grants payable 19 Deferred revenue 1,092,643 19 767,588 20 7ax-exempt bond liabilities 20 Tax-exempt bond liabilities 21 Escrow or custodial account liability Complete Part IV of Schedule D 21 Escrow or custodial account liability Complete Part IV of Schedule D 22 22 22 22 22 22 22 | | b | - Complete Full VI of Schedule B | 200 | 188 831 758 | 10c | 189 842 888 |
| 12 Investments—other securities See Part IV, line 11 1,154,268 12 1,481,372 13 Investments—program-related See Part IV, line 11 13 14 Intangible assets 14 14 15 Other assets See Part IV, line 11 43,009,267 15 44,848,309 16 Total assets.Add lines 1 through 15 (must equal line 34) 250,842,142 16 247,762,645 17 Accounts payable and accrued expenses 51,117,987 17 55,795,065 18 Grants payable 18 18 19 Deferred revenue 1,002,693 19 767,586 20 Tax-exempt bond liabilities 220,000,000 20 220,000,000 21 Escrow or custodial account liability Complete Part IV of Schedule D 21 22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons Complete Part II of Schedule L 22 23 Secured mortgages and notes payable to unrelated third parties 24 25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24 Complete Part X of Schedule D 66,184,723 25 67,966,380 26 Total liabilities.Add lines 17 through 25 338,375,403 26 344,520,031 27 Univestricted net assets 90,432,320 27 100,300,385 28 Temporarily restricted net assets 2,794,996 28 2,941,222 29 Permanently restricted net assets 2,794,996 28 2,941,222 30 Capital stock or trust principal, or current funds 30 31 2,941,991 31 29 612,777 31 Paid-in or capital surplus, or land, building or equipment fund 31 2,941,991 32 33 36,6746,386 34 36,746,386 34 36,746,386 34 37,533,261 33 36,6746,386 34 37,533,261 33 36,6746,386 34 37,533,261 33 37,674,386 34 37,533,261 | | | | | , | | |
| 13 Investments—program-related See Part IV, line 11 13 14 14 15 14 15 14 15 15 | | l | · | | 1 154 264 | | 1 481 372 |
| 14 | | | • | | 1,101,201 | | 1, 101,012 |
| 15 | | | · · | | | | |
| 16 | | | | | 43 000 257 | | 44 848 300 |
| 17 | | | | | | | |
| 18 Grants payable 18 1,092,693 19 767,586 19 767,586 20 Tax-exempt bond liabilities 220,000,000 20 220,000,000 20 2 | | | | | | | |
| 19 Deferred revenue 1,092,693 19 767,596 | | | • , | | 31,117,907 | | 33,793,003 |
| 20 | | | • • | | 1 002 603 | | 767 506 |
| Secure of the payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L | | | | | | | |
| 22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons Complete Part II of Schedule L | | | · | | 220,000,000 | | 220,000,000 |
| 24 Unsecured notes and loans payable to unrelated third parties | S | | · | | | 21 | |
| 24 Unsecured notes and loans payable to unrelated third parties | ilitie | 22 | key employees, highest compensated employees, and dis | squalified | | | |
| 24 Unsecured notes and loans payable to unrelated third parties | ар | | persons Complete Part II of Schedule L | | | | |
| Total liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24) Complete Part X of Schedule D 66,164,723 25 67,966,380 26 Total liabilities.Add lines 17 through 25 338,375,403 26 344,529,031 Organizations that follow SFAS 117 (ASC 958), check here ▶ and complete lines 27 through 29, and lines 33 and 34. 27 Unrestricted net assets 90,432,320 28 Temporarily restricted net assets 2,794,926 29 Permanently restricted net assets 104,133 29 Permanently restricted net assets 104,133 29 Gapital stock or trust principal, or current funds 30 30 Capital stock or trust principal, or current funds 31 Retained earnings, endowment, accumulated income, or other funds 32 Total net assets or fund balances 9,7533,261 33 Total net assets or fund balances 9,76746,386 | \equiv | 23 | Secured mortgages and notes payable to unrelated third | parties | | 23 | |
| and other liabilities not included on lines 17-24) Complete Part X of Schedule D Complete Part X of Schedule Part Advance P Complete Part X of Schedule Part Advance P Complete Part Advance P Comple | | 24 | Unsecured notes and loans payable to unrelated third pa | rties | | 24 | |
| 26 Total liabilities. Add lines 17 through 25 | | 25 | and other liabilities not included on lines 17-24) | o related third parties, | | | |
| Organizations that follow SFAS 117 (ASC 958), check here | | | | | 66,164,723 | 25 | 67,966,380 |
| Section Sect | | 26 | Total liabilities. Add lines 17 through 25 | | 338,375,403 | 26 | 344,529,031 |
| | ses | | - | re ▶ 🙀 and complete | | | |
| | lan | 27 | Unrestricted net assets | | -90,432,320 | 27 | -100,300,385 |
| | æ | 28 | Temporarily restricted net assets | | 2,794,926 | 28 | 2,941,222 |
| | ם | 29 | Permanently restricted net assets | | 104,133 | 29 | 612,777 |
| | or Fu | | | neck here 🕨 🦵 and | | | |
| | 2 | 30 | - | | | 30 | |
| | sse | | | | | | |
| | Ă | | | | | 32 | |
| | Şe t | | - · · · · · · · · · · · · · · · · · · · | | -87,533,261 | | -96,746,386 |
| | _ | | | | | | 247,782,645 |

| orm | 990 (2015) | | | 1 | Page 12 | |
|-----|---|----------|------------|-------|----------------|--|
| Par | t XI Reconcilliation of Net Assets | | | | | |
| | Check if Schedule O contains a response or note to any line in this Part XI | | | | 🗸 | |
| 1 | Total revenue (must equal Part VIII, column (A), line 12) | | | | | |
| | T. I | 1 | | 59,5 | 508,889 | |
| 2 | Total expenses (must equal Part IX, column (A), line 25) | 2 | | 72,6 | 543,256 | |
| 3 | Revenue less expenses Subtract line 2 from line 1 | 3 | | -13, | 134,367 | |
| 4 | Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A)) | | | | | |
| 5 | Net unrealized gains (losses) on investments | 4 | | -87,5 | 533,261 | |
| _ | Developed assumption of females as | 5 | | | 64,944 | |
| 6 | Donated services and use of facilities | 6 | | | | |
| 7 | Investment expenses | 7 | | | | |
| 8 | Prior period adjustments | 8 | | | | |
| 9 | Other changes in net assets or fund balances (explain in Schedule O) | 8 | | | | |
| | | | 3,856,298 | | | |
| 10 | Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B)) | | | | | |
| Par | t XII Financial Statements and Reporting | | | | | |
| | Check if Schedule O contains a response or note to any line in this Part XII | | | | | |
| | | | | Yes | No | |
| 1 | Accounting method used to prepare the Form 990 | _ | | | | |
| 2a | Were the organization's financial statements compiled or reviewed by an independent accountant? | | 2a | | No | |
| | If 'Yes,' check a box below to indicate whether the financial statements for the year were compiled or revalue a separate basis, consolidated basis, or both | riewed o | n | | | |
| | Separate basis Consolidated basis Both consolidated and separate basis | | | | | |
| b | Were the organization's financial statements audited by an independent accountant? | | 2b | Yes | | |
| | If Yes, 'check a box below to indicate whether the financial statements for the year were audited on a sebasis, consolidated basis, or both | parate | | | | |
| | Separate basis | | | | | |
| С | If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for overs of the audit, review, or compilation of its financial statements and selection of an independent accountai | _ | 2 c | Yes | | |
| | If the organization changed either its oversight process or selection process during the tax year, explain Schedule O | ı ın | | | | |

3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the

b If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits

Single Audit Act and OMB Circular A-133?

3a

3b

Yes

Yes

Additional Data

Software ID:

Software Version: EIN: 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

Form 990, Part III, Line 4a

4a (Code) (Expenses \$ 9,640.590 including grants of \$ 290.638

la (Code) (Expenses \$ 9,640,590 including grants of \$ 290,638) (Revenue \$ 604,010)

CENTER FOR CANCER AND CELL BIOLOGY SCHEDULE O PROVIDES FURTHER INFORMATION REGARDING THIS PROGRAM'S ACCOMPLISHMENTS

Form 990, Part III, Line 4b

) (Expenses \$

7.238,770 including grants of \$ CENTER FOR EPIGENETICSSCHEDULE O PROVIDES FURTHER INFORMATION REGARDING THIS PROGRAM'S ACCOMPLISHMENTS.

655.672) (Revenue \$ 16,619)

Form 990, Part III, Line 4c

(Code) (Expenses \$ 5,197,899 including grants of \$ 61,873) (Revenue \$ 342,945)

CENTER FOR NEURODEGENERATIVE SCIENCESEE SCHEDULE O FOR FURTHER INFORMATION ABOUT THIS PROGRAM'S ACCOMPLISHMENTS

CENT

Form 990, Part III - 4 Program Service Accomplishments (See the Instructions)

(Code) (Expenses \$ 28,299,325 including grants of \$) (Revenue \$ 340,244)

efile GRAPHIC print - DO NOT PROCESS

www.irs.gov/form990.

As Filed Data -

Public Charity Status and Public Support
Complete if the organization is a section 501(c)(3) organization or a section

4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ.

▶ Information about Schedule A (Form 990 or 990-EZ) and its instructions is at

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

2015

OMB No 1545-0047

DLN: 93493283014177

Open to Public Inspection

Department of the Treasury Internal Revenue Service

SCHEDULE A

(Form 990 or

990EZ)

Part I

Total

Name of the organization VAN ANDEL RESEARCH INSTITUTE

Employer identification number

52-2000823

| The | organı | zation is not a private fo | oundation beca | ause it is (For lines 1 | through 11, ch | eck only one b | ox) | | |
|------|----------|--|------------------|--------------------------|-------------------|--------------------------|---------------------------------|-------------------------------|--|
| 1 | | A church, convention | of churches, o | r association of churc | hes described i | n section 170(I | b)(1)(A)(i). | | |
| 2 | | A school described in section 170(b)(1)(A)(ii). (Attach Schedule E (Form 990 or 990-EZ)) | | | | | | | |
| 3 | Ė | A hospital or a cooperative hospital service organization described in section 170(b)(1)(A)(iii). | | | | | | | |
| 4 | ~ | A medical research or | ganızatıon ope | erated in conjunction v | vith a hospital d | lescribed in se c | ction 170(b)(1)(A)(iii |). Enter the | |
| | | hospital's name, city, | and state | | | | | | |
| SPEC | CTRUN | M HEALTH, | | | | | | | |
| GRA | ND RA | APIDS, MI | | | | | | | |
| 5 | | • | ited for the be | nefit of a college or un | iversity owned | or operated by | a governmental unit o | lescribed in section | |
| _ | | 170(b)(1)(A)(iv). (Co | | | | | | | |
| 6 | | A federal, state, or loc | _ | _ | | . , , | ,, ,, , | | |
| 7 | | An organization that n described in section 1 | , | • | | om a governme | ental unit or from the <u>c</u> | jeneral public | |
| 8 | | A community trust des | | | | tII) | | | |
| 9 | <u>'</u> | An organization that r | | | • • | • | ıbutıons, membershıp | fees, and gross | |
| | ı | receipts from activitie | es related to it | s exempt functions—s | subject to certa | ın exceptions, | and (2) no more than | 331/3% of its support | |
| | | from gross investmen | | | | | 1 tax) from businesse | es acquired by the | |
| 10 | _ | An organization after Jun | | eesection 509(a)(2). | | | n 509(a)(4) | | |
| 11 | | An organization organ | | , | | • | | ut the nurnoses of | |
| | l | one or more publicly s | | | | | | | |
| | | the box in lines 11a th | | | | | | | |
| а | | Type I. A supporting o | | | | | | | |
| | | supported organization organization | | | | ty of the direct | ors or trustees or the | supporting | |
| b | | Type II. A supporting | | | | with its suppo | rted organization(s), l | y having control or | |
| | ' | management of the su | | | same persons t | hat control or r | nanage the supported | organization(s) You | |
| _ | _ | must complete Part IN Type III functionally i | | | n aparated in c | onnoction with | and functionally into | grated with lite | |
| C | | supported organization | | | | | | grated with, its | |
| d | | Type III non-function | | | | | | anızatıon(s) that ıs | |
| | , | not functionally integr | | | | | ement and an attentiv | eness requirement | |
| e | _ | (see instructions) Yo o Check this box if the o | | | | | s a Tyne I Tyne II T | vne III functionally | |
| - | | integrated, or Type III | | | | | 3 a 1 ypc 1, 1 ypc 11, 1 | ype III functionally | |
| f | Ente | r the number of support | | | | | <u></u> | | |
| g | | Provide the following i | nformation abo | out the supported orga | inization(s) | | | | |
| | | | | | | | | | |
| | , | (i) | (ii)EIN | _ (iii) | (iv) | | (v) | (vi) | |
| wan | ne or s | supported organization | | Type of organization | Is the organ | | A mount of monetary support | A mount of other support (see | |
| | | | | (described on lines | docume | | (see instructions) | instructions) | |
| | | | | `1-9 above (see | | | ` | ' | |
| | | | | ınstructions)) | | | | | |
| | | | | | — | | | | |
| | | | | | Yes | No | | | |
| | | | | | | | | | |
| | | | | i e | 1 | i | I | i | |

| Pa | rt II Support Schedule for (Complete only if you Part III. If the organize | checked the bo | ox on line 5, 7, o | or 8 of Part I o | r if the organiza | ition failed to | qualify under |
|-----|---|--|---------------------|--------------------|---------------------|----------------------|-------------------|
| Se | ection A. Public Support | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | , | | | p. 0 0 0 1 0 1 0 1 1 | / |
| | Calendar year | (a)2011 | (b) 2012 | (c)2013 | (d)2014 | (e) 2015 | (f)Total |
| | fiscal year beginning in) | (a)2011 | (0)2012 | (0)2013 | (u)2014 | (e) 2013 | (1)1 Otal |
| 1 | Gifts, grants, contributions, and membership fees received (Do not include any unusual grants) | | | | | | |
| 2 | Tax revenues levied for the | | | | | | |
| _ | organization's benefit and either paid to or expended on its behalf | | | | | | |
| 3 | The value of services or facilities | | | | | | |
| | furnished by a governmental unit to the organization without charge | | | | | | |
| 4 | Total. Add lines 1 through 3 | | | | | | |
| 5 | The portion of total contributions by each person (other than a governmental unit or publicly | | | | | | |
| | supported organization) included | | | | | | |
| | on line 1 that exceeds 2% of the | | | | | | |
| | amount shown on line 11, column | | | | | | |
| 6 | (f) Public support. Subtract line 5 from line 4 | | | | | | |
| Se | ection B. Total Support | | | 1 | | | |
| | Calendar year | (a)2011 | (b) 2012 | (c) 2013 | (d)2014 | (e) 2015 | (f) Total |
| (or | fiscal year beginning in) 🟲 | (a)2011 | (0)2012 | (0)2013 | (u)2014 | (e)2013 | (1)1 Otal |
| 7 | Amounts from line 4 | | | | | | |
| 8 | Gross income from interest, dividends, payments received on | | | | | | |
| | securities loans, rents, royalties | | | | | | |
| | and income from similar sources | | | | | | |
| 9 | Net income from unrelated | | | | | | |
| | business activities, whether or not the business is regularly | | | | | | |
| | carried on | | | | | | |
| 10 | Other income Do not include gain or loss from the sale of | | | | | | |
| | capital assets (Explain in Part | | | | | | |
| 11 | Total support. Add lines 7 | | | | | | |
| 12 | through 10 Gross receipts from related activit | Les. etc. (see inst | tructions) | | | 12 | |
| 13 | First five years.If the Form 990 is | | | third fourth or i | fifth tax vear as a | |)(3) organization |
| | check this box and stop here | _ | | | · | | - - |
| Se | ection C. Computation of Pul | blic Support F | Percentage | | | | |
| 14 | Public support percentage for 201 | 5 (line 6, column | (f) divided by line | 11, column (f)) | | 14 | |
| 15 | Public support percentage for 2014 | 4 Schedule A, Pa | rt II, line 14 | | | 15 | |
| 16a | 33 1/3% support test—2015. If the | organization did | not check the box | on line 13, and | line 14 is 33 1/3% | or more, chec | k this box |
| b | and stop here. The organization qualifies as a publicly supported organization 33 1/3% support test—2014. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this | | | | | | |
| 17a | box and stop here. The organization qualifies as a publicly supported organization 10%-facts-and-circumstances test—2015. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the facts-and-circumstances test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported. | | | | | | |
| b | organization 10%-facts-and-circumstances test 15 is 10% or more, and if the orga Explain in Part VI how the organiza | nızatıon meets th | e "facts-and-circ | umstances" test | , check this box ar | nd stop here. | |
| 18 | supported organization Private foundation. If the organizat | ion did not check | a box on line 13, | . 16a, 16b, 17a, i | or 17b, check this | box and see | ▶┌ |
| | instructions | | | | | | ▶□ |

Part III Support Schedule for Organizations Described in Section 509(a)(2)
(Complete only if you checked the box on line 9 of Part I or if the organization failed to qualify under Part

| | II. If the organization | 1 fails to qualify | y under the tes | ts listed below | <u>, piease compie</u> | ete Part . | .1.) | |
|---------|---|--------------------------|---------------------|---------------------|------------------------|------------|---------|---------------------------------------|
| _Se | ction A. Public Support | T | 1 | 1 | 1 | | | _ |
| / a = 6 | Calendar year | (a)2011 | (b) 2012 | (c)2013 | (d)2014 | (e)20 | 15 | (f) ⊤otal |
| (OF 1 | iscal year beginning in) ► Gifts, grants, contributions, and | | | | | | | |
| - | membership fees received (Do | | | | | | | |
| | not include any "unusual grants ") | | | | | | | |
| 2 | Gross receipts from admissions, | | | | | | | |
| | merchandise sold or services | | | | | | | |
| | performed, or facilities furnished | | | | | | | |
| | in any activity that is related to | | | | | | | |
| | the organization's tax-exempt purpose | | | | | | | |
| 3 | Gross receipts from activities | | | | | | | |
| - | that are not an unrelated trade or | | | | | | | |
| | business under section 513 | | | | | | | |
| 4 | Tax revenues levied for the | | | | | | | |
| | organization's benefit and either | | | | | | | |
| 5 | paid to or expended on its behalf The value of services or facilities | | | | | | | |
| 5 | furnished by a governmental unit | | | | | | | |
| | to the organization without charge | | | | | | | |
| 6 | Total. Add lines 1 through 5 | | | | | | | |
| 7a | Amounts included on lines 1, 2, | | | | | | | |
| | and 3 received from disqualified | | | | | | | |
| | persons | | | | | | | |
| b | Amounts included on lines 2 and 3 received from other than | | | | | | | |
| | disqualified persons that exceed | | | | | | | |
| | the greater of \$5,000 or 1% of | | | | | | | |
| | the amount on line 13 for the year | | | | | | | |
| С | Add lines 7a and 7b | | | | | | | |
| 8 | Public support. (Subtract line 7c | | | | | | | |
| _ | from line 6) | | | | | | | |
| | ction B. Total Support | | | | | | | |
| | Calendar year | (a)2011 | (b) 2012 | (c)2013 | (d)2014 | (e)20 | 15 | (f) Total |
| 9 | iscal year beginning in) ► A mounts from line 6 | | | | | | | |
| 10a | Gross income from interest, | | | | | | | |
| 10a | dividends, payments received on | | | | | | | |
| | securities loans, rents, royalties | | | | | | | |
| | and income from similar sources | | | | | | | |
| b | Unrelated business taxable | | | | | | | |
| | income (less section 511 taxes) | | | | | | | |
| | from businesses acquired after June 30, 1975 | | | | | | | |
| С | Add lines 10a and 10b | | | | | | | |
| 11 | Net income from unrelated | | | | | | | |
| | business activities not included | | | | | | | |
| | ın lıne 10b, whether or not the | | | | | | | |
| | business is regularly carried on | | | | | | | |
| 12 | Other income Do not include | | | | | | | |
| | gain or loss from the sale of capital assets (Explain in Part | | | | | | | |
| | VI) | | | | | | | |
| 13 | Total support. (Add lines 9, 10c, | | | | | | | |
| | 11, and 12) | ion the commit | l nia fir-t - ' | threat formal | 64h +a | | 017.30 | |
| 14 | First five years.If the Form 990 is f | or the organization | on's first, second | , tnira, fourth, or | ππ tax year as a | section | 01(c)(. | · · · · · · · · · · · · · · · · · · · |
| | check this box and stop here | lia Cummant D | | | | | | <u>▶</u> |
| | ction C. Computation of Pub | | | 4.2 1 (0) | | | | |
| 15 | Public support percentage for 2015 | | | 13, column (f)) | | 15 | | |
| 16 | Public support percentage from 20: | 14 Schedule A, P | art III, line 15 | | | 16 | | |
| Se | ction D. Computation of Inv | estment Inco | me Percenta | ge | | | | |
| 17 | Investment income percentage for | 2015 (line 10c, c | olumn (f) dıvıded | by line 13, colur | mn (f)) | 17 | | |
| 18 | Investment income percentage from | n 2014 Schedule | A, Part III, line 1 | ١7 | | 18 | | |
| | 33 1/3% support tests—2015. If the | | | | t line 15 is more t | | 3% and | line 17 is not |
| 1 7 a | more than 33 1/3%, check this box | • | | • | | | • | ↑ IIIIe 17 is not |
| h | 33 1/3% support tests—2014. If the | | | | | | | • |
| | 18 is not more than 33 1/3%, check | - | | | | | | |
| 20 | Private foundation. If the organization | | - | · · | | • | _ | ▶ □ |

Part IV Supporting Organizations

(Complete only if you checked a box on line 11 of Part I If you checked 11a of Part I, complete Sections A and B If you checked 11b of Part I, complete Sections A, D, and E If you checked 11d of Part I, complete Sections A, D, and E If you checked 11d of Part I, complete Sections A, D, and D, and complete Part V.)

| I, complete Sections A and D, and complete Part V) | | | | | | | | |
|---|---|------------|-----|-----|--|--|--|--|
| 56 | ection A. All Supporting Organizations | 1 | Voc | No. | | | | |
| 1 | Are all of the organization's supported organizations listed by name in the organization's governing documents? If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain | 1 | Yes | No | | | | |
| 2 | Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2) | 2 | | | | | | |
| 3а | Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below | 3a | | | | | | |
| b | Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in Part VI when and how the organization made the determination | 3b | | | | | | |
| c | Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? | 3 c | | | | | | |
| | If "Yes," explain in Part VI what controls the organization put in place to ensure such use | 1 | ı | | | | | |
| | Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you checked 11a or 11b in Part I, answer (b) and (c) below | 4a | | | | | | |
| D | Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? | | | | | | | |
| | If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations | 4b | | | | | | |
| c | Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported | 4c | | | | | | |
| 5a | organization was used exclusively for section 170(c)(2)(B) purposes Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer (b) and (c) below (if applicable) Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed, (ii) the reasons for each such action, (iii) the authority under the organization's organizing document authorizing such action, and (iv) how the action was accomplished (such as by amendment to the organizing document) | 5a | | | | | | |
| b | Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document? | 5b | | | | | | |
| c | Substitutions only. Was the substitution the result of an event beyond the organization's control? | 5c | | | | | | |
| 6 | Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (a) its supported organizations, (b) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (c) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in Part VI . | 6 | | | | | | |
| 7 | Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in IRC 4958(c)(3)(C)), a family member of a substantial contributor, or a 35-percent controlled entity with regard to a substantial contributor? If "Yes," complete Part I of Schedule L (Form 990) | 7 | | | | | | |
| 8 | Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part II of Schedule L (Form 990) | 8 | | | | | | |
| 9a | Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509 (a)(1) or (2))? If "Yes," provide detail in Part VI . | 9a | | | | | | |
| b | Did one or more disqualified persons (as defined in line 9(a)) hold a controlling interest in any entity in which the supporting organization had an interest? If "Yes," provide detail in Part VI . | 9b | | | | | | |
| c | Did a disqualified person (as defined in line 9(a)) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? If "Yes," provide detail in Part VI . | 9 c | | | | | | |
| | Was the organization subject to the excess business holdings rules of IRC 4943 because of IRC 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes," answer b below | 10a | | | | | | |
| b | Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings) | 10b | | | | | | |
| .1 | Has the organization accepted a gift or contribution from any of the following persons? | | | | | | | |
| а | A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization? | 11a | | | | | | |
| h | A family member of a person described in (a) above? | 11b | | | | | | |

c A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI

11c

| Par | rt IV Supporting Organizations (continued) | | | |
|--------|--|-----------|-----|----|
| Se | ection B. Type I Supporting Organizations | | | |
| | | | Yes | No |
| 1 | Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions restrictions, if any, applied to such powers during the tax year | | | |
| 2 | Did the organization operate for the benefit of any supported organization other than the supported organization that operated, supervised, or controlled the supporting organization? If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) to operated, supervised or controlled the supporting organization | | | |
| Se | ection C. Type II Supporting Organizations | | | |
| | | | Yes | No |
| 1 | Were a majority of the organization's directors or trustees during the tax year also a majority of the directors of trustees of each of the organization's supported organization(s)? If "No," describe in Part VI how control or management of the supporting organization was vested in the same per that controlled or managed the supported organization(s) | | | |
| Se | ection D. All Type III Supporting Organizations | | | |
| | · | | Yes | No |
| 1 | Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (1) a written notice describing the type and amount of support provided during the prictax year, (2) a copy of the Form 990 that was most recently filed as of the date of notification, and (3) copies the organization's governing documents in effect on the date of notification, to the extent not previously provided. | of | | |
| 2 | Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s) | 2 | | |
| 3 | By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets all times during the tax year? If "Yes," describe in Part VI the role the organization's supported organizations played in this regard | | | |
| | | | | |
| | ection E. Type III Functionally-Integrated Supporting Organizations | | | |
| 1 b | The organization is the parent of each of its supported organizations. Complete line 3 below | | | |
| 2 | Activities Test Answer (a) and (b) below. | | Yes | No |
| а | a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of supported organization(s) to which the organization was responsive? If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how to organization determined that these activities constituted substantially all of its activities | | | |
| Ь | Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more the organization's supported organization(s) would have been engaged in? If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement | | | |
| 3 | Parent of Supported Organizations Answer (a) and (b) below. | | | |
| а | a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or truster each of the supported organizations? <i>Provide details in Part VI</i> | es of 3a | | |
| ь | • Did the organization exercise a substantial degree of direction over the policies, programs and activities of ear of its supported organizations? If "Yes," describe in Part VI the role played by the organization in this regard | 3b | | |

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

| . С | heck here if the organization satisfied the Integral Part Test as a qualifying t | rust on N | ov 20,1970 See inst | ructions. All other |
|-----|--|------------|----------------------------|-------------------------------|
| Т | ype III non-functionally integrated supporting organizations must complete : | Sections | A through E | Г |
| | | | | (B) C |
| | Section A - Adjusted Net Income | | (A) Prior Year | (B) Current Yea (optional) |
| | Net short-term capital gain | 1 | | |
| | Recoveries of prior-year distributions | 2 | | |
| | Other gross income (see instructions) | 3 | | |
| | Add lines 1 through 3 | 4 | | |
| | Depreciation and depletion | 5 | | |
| | Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions) | 6 | | |
| | Other expenses (see instructions) | 7 | | |
| | Adjusted Net Income (subtract lines 5, 6 and 7 from line 4) | 8 | | |
| | | | | |
| | Section B - Minimum Asset Amount | | (A) Prior Year | (B) Current Yea (optional) |
| | Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year) | 1 | | |
| а | Average monthly value of securities | 1a | | |
| b | Average monthly cash balances | 1b | | |
| c | Fair market value of other non-exempt-use assets | 1c | | |
| d | Total (add lines 1a, 1b, and 1c) | 1 d | | |
| e | Discount claimed for blockage or other factors (explain in detail in Part VI) | | | |
| | Acquisition indebtedness applicable to non-exempt use assets | 2 | | |
| | Subtract line 2 from line 1d | 3 | | |
| | Cash deemed held for exempt use Enter 1-1/2% of line 3 (for greater amount, see instructions) | 4 | | |
| | Net value of non-exempt-use assets (subtract line 4 from line 3) | 5 | | |
| | Multiply line 5 by 035 | 6 | | |
| | Recoveries of prior-year distributions | 7 | | |
| | Minimum Asset Amount (add line 7 to line 6) | 8 | | |
| | Coultry C. Dist III, table Annual | T | | |
| | Section C - Distributable Amount | | | Current Year |
| | A djusted net income for prior year (from Section A, line 8, Column A) | 1 | | |
| | Enter 85% of line 1 | 2 | | |
| | Minimum asset amount for prior year (from Section B, line 8, Column A) | 3 | | |
| | Enter greater of line 2 or line 3 | 4 | | |
| | Income tax imposed in prior year | 5 | | |
| | Distributable A mount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions) | 6 | | |
| | heck here if the current year is the organization's first as a non-functionally- structions) | ıntegrate | d Type III supporting o | organization (see |

| Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued) | | | | | | | |
|---|-------------------------------|--|---|--|--|--|--|
| Section D - Distributions | | | Current Year | | | | |
| 1 Amounts paid to supported organizations to accom | plish exempt purposes | | | | | | |
| 2 Amounts paid to perform activity that directly furth excess of income from activity | ers exempt purposes of supp | ported organizations, in | | | | | |
| 3 Administrative expenses paid to accomplish exemp | ot purposes of supported org | anızatıons | | | | | |
| 4 Amounts paid to acquire exempt-use assets | | | | | | | |
| 5 Qualified set-aside amounts (prior IRS approval rec | auıred) | | | | | | |
| 6 Other distributions (describe in Part VI) See instru | . , | | | | | | |
| <u> </u> | 30013 | | | | | | |
| 7 Total annual distributions. Add lines 1 through 6 | | | | | | | |
| 8 Distributions to attentive supported organizations t details in Part VI) See instructions | o which the organization is r | esponsive (provide | | | | | |
| 9 Distributable amount for 2015 from Section C, line | 6 | | | | | | |
| 10 Line 8 amount divided by Line 9 amount | | | | | | | |
| Section E - Distribution Allocations (see instructions) | (i) Excess Distributions | (ii) Underdistributions Pre-2015 | (iii) Distributable Amount for 2015 | | | | |
| Distributable amount for 2015 from Section C, line 6 | | | | | | | |
| 2 Underdistributions, if any, for years prior to 2015 (reasonable cause requiredsee instructions) | | | | | | | |
| 3 Excess distributions carryover, if any, to 2015 | | | | | | | |
| a | | | | | | | |
| b | | | | | | | |
| d From 2013 | | | | | | | |
| e From 2014 | | | | | | | |
| f Total of lines 3a through e | | | | | | | |
| g Applied to underdistributions of prior years | | | | | | | |
| h Applied to 2015 distributable amount | | | | | | | |
| i Carryover from 2010 not applied (see instructions) | | | | | | | |
| j Remainder Subtract lines 3g, 3h, and 3i from 3f | | | | | | | |
| 4 Distributions for 2015 from Section D, line 7 | | | | | | | |
| \$ | | | | | | | |
| a Applied to underdistributions of prior years | | | | | | | |
| b Applied to 2015 distributable amount | | | | | | | |
| c Remainder Subtract lines 4a and 4b from 4 | | | | | | | |
| 5 Remaining underdistributions for years prior to 2015, if any Subtract lines 3g and 4a from line 2 (if amount greater than zero, see instructions) | | | | | | | |
| 6 Remaining underdistributions for 2015 Subtract lines 3h and 4b from line 1 (if amount greater than zero, see instructions) | | | | | | | |
| 7 Excess distributions carryover to 2016. Add lines 31 and 4c | | | | | | | |
| 8 Breakdown of line 7 | | | | | | | |
| a | | | | | | | |
| c Excess from 2013 | | | | | | | |
| d From 2014 | | | | | | | |
| e From 2015 | | | | | | | |

DLN: 93493283014177

SCHEDULE C (Form 990 or 990-EZ)

Department of the Treasury Internal Revenue Service

Political Campaign and Lobbying Activities

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

OMB No 1545-0047

Open to Public Inspection

If the organization answered "Yes" on Form 990, Part IV, Line 3, or Form 990-区, Part V, line 46 (Political Campaign Activities), then

- Section 501(c)(3) organizations Complete Parts I-A and B Do not complete Part I-C
- Section 501(c) (other than section 501(c)(3)) organizations Complete Parts I-A and C below Do not complete Part I-B
- Section 527 organizations Complete Part I-A only

If the organization answered "Yes" on Form 990, Part IV, Line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)). Complete Part II-A. Do not complete Part II-B.

| f th | Section e orga 35c (P | n 501(c)(3) organizations th inization answered "Yes roxy Tax) (see separate | | under section 50 | 1(h)) Complete Part II-B Do | not complete Part II-A |
|------|-----------------------------|--|--|---|--|---|
| Na | me of t | 1 501(c)(4), (5), or (6) orga the organization | nizations Complete Part III | | Employer ident | tification number |
| VAI | N ANDEL | RESEARCH INSTITUTE | | | 52-2000823 | |
| Par | t I-A | Complete if the or | ganization is exempt under : | section 501(c |) or is a section 527 | organization. |
| 1 | Provi | ide a description of the org | ganization's direct and indirect politic | al campaign activ | vities in Part IV | |
| 2 | Politi | ical expenditures | | | > | \$ |
| 3 | V olur | nteer hours | | | | |
| Par | t I-B | Complete if the or | ganization is exempt under | section 501 (c |)(3). | |
| 1 | Enter | r the amount of any excise | e tax incurred by the organization und | ler section 4955 | > | \$ |
| 2 | Enter | r the amount of any excise | e tax incurred by organization manage | ers under section | 4955 | \$ |
| 3 | If the | e organization incurred a s | ection 4955 tax, did it file Form 472 | O for this year? | | ☐ Yes ☐ No |
| 4a | Was | a correction made? | | | | ☐ Yes ☐ No |
| b | | es," describe in Part IV | | | | |
| Par | t I-C | Complete if the or | ganization is exempt under : | section 501(c |), except section 50 | 1(c)(3). |
| 1 | Enter | r the amount directly expe | ended by the filing organization for se | ction 527 exempt | function activities 🕨 | \$ |
| 2 | | r the amount of the filing o npt function activities | rganızatıon's funds contributed to otl | ner organizations | for section 527 ▶ | \$ |
| 3 | Total | exempt function expendit | tures Add lines 1 and 2 Enter here a | and on Form 1120 | -POL, line 17b ► | \$ |
| 4 | Dıd t | he filing organization file F o | orm 1120-POL for this year? | | | Yes No |
| 5 | orgar amou | nization made payments F int of political contribution | nd employer identification number (EI For each organization listed, enter the ns received that were promptly and di political action committee (PAC) If a | e amount paid fror rectly delivered to | n the filing organization's f o a separate political orga | unds Also enter the nızatıon, such as a |
| | | (a) Name | (b) Address | (c) EIN | (d) A mount paid from filing organization's funds If none, enter -0- | (e) A mount of political contributions received and promptly and directly delivered to a separate political organization If none, enter -0- |
| | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 1 | | | | | | |
| 5 | | | | | | |
| 5 | | | | | | |

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

| A | Check | > | Γ | - If the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, |
|---|-------|-------------|---|--|
| | | | | expenses, and share of excess lobbying expenditures) |

| | expenses, and share of excess | lobbying expenditures) | | |
|----|--|---|--|--------------------------------|
| В | Check ► If the filing organization checked | ed box A and "limited control" provisions apply | | |
| | | bbying Expenditures " means amounts paid or incurred.) | (a) Filing organization's totals | (b) Affiliated group totals |
| 1a | Total lobbying expenditures to influence publiobbying) | olic opinion (grass roots | | |
| b | Total lobbying expenditures to influence a le | egislative body (direct lobbying) | 238,376 | 5 |
| c | Total lobbying expenditures (add lines 1a ar | nd 1b) | 238,376 | |
| d | Other exempt purpose expenditures | 72,404,880 | | |
| е | Total exempt purpose expenditures (add line | 72,643,256 | | |
| f | Lobbying nontaxable amount Enter the amo | 1,000,000 | | |
| | If the amount on line 1e, column (a) or (b) is: | The lobbying nontaxable amount is: | | |
| | Not over \$500,000 | 20% of the amount on line 1e | | |
| | Over \$500,000 but not over \$1,000,000 | \$100,000 plus 15% of the excess over \$500,000 | | |
| | Over \$1,000,000 but not over \$1,500,000 | \$175,000 plus 10% of the excess over \$1,000,000 | | |
| | Over \$1,500,000 but not over \$17,000,000 | \$225,000 plus 5% of the excess over \$1,500,000 | | |

| Over \$17,000,000 | \$1,000,000 | |
|---|-------------|---------|
| | | |
| Grassroots nontaxable amount (enter 25% of line | 1f) | 250,000 |

| Subtract line 1g from line 1a If zero or less, enter -0- | o | |
|--|---|--|
| Subtract line 1f from line 1c If zero or less, enter -0- | 0 | |

| | Y | е | s | Г | No |
|--|---|---|---|---|----|
|--|---|---|---|---|----|

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

| | Lobbying Expenditures During 4-Year Averaging Period | | | | | | | |
|----|--|-----------------|-----------------|-----------------|-----------------|-----------|--|--|
| | Calendar year (or fiscal year beginning in) | (a) 2012 | (b) 2013 | (c) 2014 | (d) 2015 | (e) Total | | |
| 2a | Lobbying nontaxable amount | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 4,000,000 | | |
| b | Lobbying ceiling amount (150% of line 2a, column(e)) | | | | | 6,000,000 | | |
| _с | Total lobbying expenditures | 85,680 | 367,563 | 165,579 | 238,376 | 857,198 | | |
| d | Grassroots nontaxable amount | 250,000 | 250,000 | 250,000 | 250,000 | 1,000,000 | | |
| е | Grassroots ceiling amount (150% of line 2d, column (e)) | | | | | 1,500,000 | | |
| f | Grassroots lobbying expenditures | | | | | | | |

If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?

Return Reference

| During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of Volunteers? Paid staff or management (include compensation in expenses reported on lines 1c through 1i)? Media advertisements? Mailings to members, legislators, or the public? Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? Total Add lines 1c through 1i | Yes | No | | (b) | nt |
|--|-------|-------|------|--------|----------|
| During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of Volunteers? Paid staff or management (include compensation in expenses reported on lines 1c through 1i)? Media advertisements? Mailings to members, legislators, or the public? Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | Yes | No | | A moun | <u></u> |
| During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of Volunteers? Paid staff or management (include compensation in expenses reported on lines 1c through 1i)? Media advertisements? Mailings to members, legislators, or the public? Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | Yes | | | | |
| Paid staff or management (include compensation in expenses reported on lines 1c through 1i)? Media advertisements? Mailings to members, legislators, or the public? Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | _ | | |
| Media advertisements? Mailings to members, legislators, or the public? Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | | | |
| Mailings to members, legislators, or the public? Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | | | |
| Publications, or published or broadcast statements? Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | | | |
| Grants to other organizations for lobbying purposes? Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | | | |
| Direct contact with legislators, their staffs, government officials, or a legislative body? Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | | | |
| Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? Other activities? | | | | | |
| Other activities? | | | | | |
| <u></u> | I | | | | |
| Total Add lines 1c through 1i | | | | | |
| 5 | | | | | |
| Did the activities in line 1 cause the organization to be not described in section 501(c)(3)? | | | | | |
| If "Yes," enter the amount of any tax incurred under section 4912 | | | | | |
| If "Yes," enter the amount of any tax incurred by organization managers under section 4912 | | | | | |
| If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year? | | | | | |
| rt III-A Complete if the organization is exempt under section 501(c)(4), section 50 501(c)(6). |)1(c) |)(5), | or s | ectio | n |
| | | - | | Yes | N |
| Were substantially all (90% or more) dues received nondeductible by members? | | | 1 | | <u> </u> |
| Did the organization make only in-house lobbying expenditures of \$2,000 or less? | | L | 2 | | <u> </u> |
| Did the organization agree to carry over lobbying and political expenditures from the prior year? | | | 3 | | |
| rt III-B Complete if the organization is exempt under section 501(c)(4), section 50 501(c)(6) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No line 3, is answered "Yes." | | | | | |
| Dues, assessments and similar amounts from members | 1 | | | | |
| Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid). | | | | | |
| Current year | 2a | | | | |
| Carryover from last year | 2b | | | | |
| Total | 2c | | | | |
| Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues | 3 | | | | |
| If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year? | 4 | | | | |
| Taxable amount of lobbying and political expenditures (see instructions) | 5 | | | | |
| Part IV Supplemental Information | - | | | | |

Explanation

SCHEDULE D

(Form 990)

Department of the Treasury

Internal Revenue Service

DLN: 93493283014177

Supplemental Financial Statements

▶ Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b. ▶ Attach to Form 990.

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

OMB No 1545-0047

Open to Public Inspection

| | me of the organization I ANDEL RESEARCH INSTITUTE | Employer identification number | | | | |
|-----|---|--------------------------------|--|--------------|--------------------------------|--|
| VAI | I WINDER VEDEWICH TIMPITIOLE | | | 52-20 | 000823 | |
| Pa | rt I Organizations Maintaining Donor Complete if the organization answere | | | | | |
| | | (a) Donor advised fun | ds | (b) F | unds and other accounts | |
| 1 | Total number at end of year | | | | | |
| 2 | Aggregate value of contributions to (during year) | | | | | |
| 3 | Aggregate value of grants from (during year) | | | | | |
| 4 | Aggregate value at end of year | | | | | |
| 5 | Did the organization inform all donors and donor a funds are the organization's property, subject to t | _ | | or advis | ed Yes No | |
| 6 | Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit? Yes No | | | | | |
| Pa | rt III Conservation Easements. Comple | ete if the organization | n answered "Yes" o | n Form | 990, Part IV, line 7. | |
| 1 | Purpose(s) of conservation easements held by th | , | ll that apply) | | | |
| | Preservation of land for public use (e.g., recreeducation) | eation or 「 | Preservation of an | histori | cally important land area | |
| | Protection of natural habitat | , [| | | historic structure | |
| | Preservation of open space | · | | | | |
| 2 | Complete lines 2a through 2d if the organization leasement on the last day of the tax year | held a qualified conserv | ation contribution in th | ne form | of a conservation | |
| | | | | | Held at the End of the Year | |
| а | Total number of conservation easements | | | 2a | | |
| b | Total acreage restricted by conservation easeme | | | 2b | | |
| c | Number of conservation easements on a certified | | ` ′ | 2 c | | |
| d | Number of conservation easements included in (c historic structure listed in the National Register | | | 2d | | |
| 3 | Number of conservation easements modified, tran | nsferred, released, extin | guished, or terminated | d by the | organization during the | |
| | tax year ▶ | | | | | |
| 4 | Number of states where property subject to conse | ervation easement is lo | ated ▶ | _ | | |
| 5 | Does the organization have a written policy regard violations, and enforcement of the conservation e | · . | oring, inspection, hand | ling of | ☐ Yes ☐ No | |
| 6 | Staff and volunteer hours devoted to monitoring, i year | inspecting, handling of v | riolations, and enforcing | ng cons | ervation easements during the | |
| | > | | | | | |
| 7 | A mount of expenses incurred in monitoring, inspe | ecting, handling of violat | ions, and enforcing co | nservat | tion easements during the year | |
| 8 | Does each conservation easement reported on Iir (B)(i) and section $170(h)(4)(B)(ii)$? | ne 2(d) above satisfy th | e requirements of sect | tion 17(| O(h)(4) | |
| 9 | In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements | | | | | |
| Par | t III Organizations Maintaining Collect | | rical Treasures, o | or Oth | er Similar Assets. | |
| | Complete if the organization answere | | | | | |
| 1a | If the organization elected, as permitted under SF works of art, historical treasures, or other similar service, provide, in Part XIII, the text of the footr | assets held for public e | xhibition, education, o | or resea | rch in furtherance of public | |
| b | If the organization elected, as permitted under SF works of art, historical treasures, or other similar service, provide the following amounts relating to | assets held for public e | | | | |
| (| i) Revenue included on Form 990, Part VIII, line 1 | 1 | | ▶ \$ | | |
| (i | i) Assets included in Form 990, Part X | | • | | | |
| 2 | If the organization received or held works of art, h | | | | | |

Revenue included on Form 990, Part VIII, line 1

Assets included in Form 990, Part X

| | (continued) | | | | | | | | | | |
|------------|---|-------------------------|--------------|------------------------|------------|---------------------|---------------------|--------------------------|-----------------|-------------------|---------------|
| 3 | Using the organization's acquisition, acce collection items (check all that apply) | ssion, and other reco | rds, c | heck a | ny of t | he following t | hat ar | e a significan | t use o | fıts | |
| а | Public exhibition | | d | Г | Loan | or exchange | progra | ams | | | |
| b | Scholarly research | | e | Γ | Othe | r | | | | | |
| c | Preservation for future generations | | | | | | | | | | |
| 4 | Provide a description of the organization's Part XIII | collections and expla | aın ho | w they | furthe | r the organiza | atıon's | exempt purp | ose in | | |
| 5 | During the year, did the organization solic assets to be sold to raise funds rather tha | | | | | | | | Yes | ∏ No | , |
| Par | t IV Escrow and Custodial Arrai Complete if the organization a Part X, line 21. | | -orm | 990, | Part I' | V, line 9, or | repo | orted an am | ount o | n Forr | n 990, |
| 1a | Is the organization an agent, trustee, custincluded on Form 990, Part X? | todian or other interm | ediary | y for co | ontribut | tions or othe | r asse [.] | | Yes | ┌ No | • |
| b | If "Yes," explain the arrangement in Pa | rt XIII and complete | the fo | llowing | ı table | | | | A mour | nt | |
| c | Beginning balance | me XIII and complete | | 711 0 11 1119 | , cabic | | 1c | | | | |
| d | Additions during the year | | | | | | 1d | | | | |
| e | Distributions during the year | | | | | | 1e | | | | |
| f | Ending balance | | | | | | 1f | | | | |
| 2 a | Did the organization include an amount or | n Form 990, Part X, lir | ne 21, | , for es | crow o | ı r custodıal ad | count | : liability? 🔽 | Voc | | |
| b Pa | If "Yes," explain the arrangement in Part rt V Endowment Funds. Complet | e if the organization | n ans | swere | d "Yes | s" to Form 🤉 | 990, F | Part IV, line | 10. | | |
| 4- | Danier of war halana | (a)Current year | (b) P | rior yea | r b | (c)Two years b | oack (| d) Three years be | ack (e |)Four ye | ars back |
| 1a b | Beginning of year balance | 596,343 | | | | | | | | | |
| ь | · · · · · · · | 390,313 | | | | | | | | | |
| c | Net investment earnings, gains, and losses | 18,408 | | | | | | | | | |
| d | Grants or scholarships | | | | | | | | | | |
| e | Other expenditures for facilities and programs | 1,974 | | | | | | | | | |
| f | Administrative expenses | | | | | | | | | | |
| g | End of year balance | 612,777 | | | | | | | | | |
| 2 | Provide the estimated percentage of the c | urrent year end balan | ice (lii | ne 1g, | columi | n (a)) held as | | | | | |
| а | Board designated or quasi-endowment > | | | | | | | | | | |
| b | Permanent endowment ► 100 000 % | | | | | | | | | | |
| c | Temporarily restricted endowment ► The percentages on lines 2a, 2b, and 2c s | should equal 100% | | | | | | | | | |
| За | Are there endowment funds not in the pos | · | zation | that a | re held | and adminis | tered : | for the | | _ | |
| | organization by | | | | | | | | | Yes | No |
| | (i) unrelated organizations | | | | | | | | 3a(i) 3a(ii) | Yes | No |
| b | (ii) related organizations | | | | | | | | 3b | Yes | |
| 4 | Describe in Part XIII the intended uses o | · | | | | | | | | | |
| Par | t VI Land, Buildings, and Equip | | | | | | | | | | |
| | Complete if the organization a Description of property | nswered 'Yes' to Fo | orm 9 | 990, P (a | | , line 11a.S (ь) | ee Fo | orm 990, Pa Accumulat | | ne 10. (d)Bool | |
| | bescription of property | | | ost or oth (investr | ner basıs | | | (c)depreciati | | (4)500 | · · · · · · · |
| | Land | | + | (mivesti | nent) | <u> </u> |) !88,315 | | -+ | ı | 5,288,315 |
| | Buildings | | \vdash | | | 1 3,2 | .50,515 | | | • | 2,200,313 |
| _ | | | | | | 224,7 | 16,844 | 55,003 | 3,310 | 169 | 9,713,534 |
| c | Leasehold improvements | | | | | | | | | | |
| | Equipment | | <u> </u> | | | 48,0 | 68,135 | 37,439 | 9,932 | 10 | 0,628,203 |
| е | Other | | | | | 4 2 | 35,938 | 23 | 3,102 | | 4,212,836 |
| Tota | I. Add lines 1a through 1e (Column (d) mus | | X, colu | ımn (B) |), line 1 | 0()) | | | | | 9,842,888 |
| | | | | | | | | | | | |

| | (Form 990) 2015 | | | Page 3 |
|---------------|---|---------------------|------------------------|--|
| Part VII | Investments—Other Securities. Comp See Form 990, Part X, line 12. | plete if the organi | zation answered 'Ye | es' on Form 990, Part IV, line 11b. |
| | (a) Description of security or category (including name of security) | | (b)Book value | (c)Method of valuation Cost or end-of-year market value |
| (1)Financia | al derivatives | | | Cost of end-of-year market value |
| | -held equity interests | | | |
| (3)0 ther | | | | |
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| | | | | |
| | | | | |
| Total. (Colun | nn (b) must equal Form 990, Part X, col (B) line 12) | > | | |
| | Investments—Program Related. | /aal aa 5ama 000 | David IV June 44 a | |
| | Complete if the organization answered 'Y (a) Description of investment | es on Form 990, | (b) Book value | ee Form 990, Part X, line 13. (c) Method of valuation |
| | (a) Description of investment | | (b) Book Value | Cost or end-of-year market value |
| | | | | |
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| | | | | |
| | | | | |
| | nn (b) must equal Form 990, Part X, col (B) line 13) | • | | |
| Part IX | Other Assets. Complete if the organization a (a) Descript | | orm 990, Part IV, line | (b) Book value |
| | ISSUANCE COSTS NET OF ACCUMULATED AM | | | 288,309 |
| (Z) PLEDGI | ED SECURITIES | | | 44,560,000 |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |
| Tatal (Calu | man (h) must sould form 000 Port V sol (P) line 15 | . | | 14 040 200 |
| Part X | other Liabilities. Complete if the organi | | 'Yes' on Form 990, | |
| | See Form 990, Part X, line 25. (a) Description of liability | (b) Book value | | |
| 1. | (a) Description of Hashier | (B) Book value | | |
| Federal inc | ome taxes | | | |
| ACCRUED | POSTRETIREMENT BENEFIT OBLIGATION | 2,046,2 | 258 | |
| UNREALIZ | ED LOSS ON INTEREST RATE SWAP | 60,218,3 | 375 | |
| | | | | |
| CAPITALL | LEASE | 25,9 | 741 | |
| RELATED- | PARTY PAYABLE | 5,675,8 | 306 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total. (Colun | mn (b) must equal Form 990, Part X, col (B) line 25) | 67,966,3 | 380 | |

| Par | t XI Reconciliation of Revenue per Audited Financial Statements With Reven Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a. | ue per Ret | urn |
|-------|---|------------|----------------|
| 1 | Total revenue, gains, and other support per audited financial statements | 1 | 55,212,370 |
| 2 | Amounts included on line 1 but not on Form 990, Part VIII, line 12 | | |
| а | Net unrealized gains (losses) on investments 2a 64,5 | 944 | |
| b | Donated services and use of facilities | | |
| c | Recoveries of prior year grants | | |
| d | Other (Describe in Part XIII) | | |
| | | | |
| е | Add lines 2a through 2d | 2e | 1,580,749 |
| 3 | Subtract line 2e from line 1 | 3 | 53,631,621 |
| 4 | Amounts included on Form 990, Part VIII, line 12, but not on line 1 | | |
| а | Investment expenses not included on Form 990, Part VIII, line 7b . 4a | | |
| b | Other (Describe in Part XIII) | 268 | |
| c | Add lines 4a and 4b | 4c | 5,877,268 |
| 5 | Total revenue Add lines 3 and 4c. (This must equal Form 990, Part I, line 12) | | 59,508,889 |
| Part | Reconciliation of Expenses per Audited Financial Statements With Expe Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a. | nses per R | eturn. |
| 1 | Total expenses and losses per audited financial statements | 1 | 64,425,495 |
| 2 | Amounts included on line 1 but not on Form 990, Part IX, line 25 | | |
| а | Donated services and use of facilities | | |
| b | Prior year adjustments | | |
| c | Other losses | | |
| d | Other (Describe in Part XIII) | 493 | |
| e | Add lines 2a through 2d | 2e | -2,340,493 |
| 3 | Subtract line 2e from line 1 | 3 | 66,765,988 |
| 4 | Amounts included on Form 990, Part IX, line 25, but not on line 1: | | |
| а | Investment expenses not included on Form 990, Part VIII, line 7b 4a | | |
| b | Other (Describe in Part XIII) | 268 | |
| c | Add lines 4a and 4b | 4c | 5,877,268 |
| 5 | Total expenses Add lines 3 and 4c. (This must equal Form 990, Part I, line 18) | . 5 | 72,643,256 |
| | | | |
| Pari | t XIII Supplemental Information | | |
| Part | vide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4, Part IV, lines 1b a : V, line 4, Part X, line 2, Part XI, lines 2d and 4b, and Part XII, lines 2d and 4b Also complete this p. rmation | • | any additional |
| | Return Reference Explanation | | |
| See A | Additional Data Table | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Page 5 | nedule D (Form 990) 2015 | | |
|---------------|--------------------------|----------------------------|-----------|
| | ormation (continued) | art XIII Supplemental Info | Part XIII |
| | Explanation | Return Reference | Ref |
| | | | |
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Additional Data

Software ID: Software Version:

EIN: 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

| Supplemental Information | |
|--------------------------|-------------|
| Return Reference | Explanation |

PART X, LINE

PART X, LINE 1(1) AND LINE 2 THERE ARE NO UNCERTAIN TAX POSITIONS RELATED TO VARI

| Supplemental Information | | | | |
|--|--|--|--|--|
| Return Reference | Explanation | | | |
| PART XI, LINE 2D - OTHER ADJUSTMENTS | RENTAL EXPENSES 1,493,552 FUNDRAISING EVENT EXPENSE 22,253 | | | |

| Supplemental Information | |
|--|-------------------------|
| Return Reference | Explanation |
| PART XI, LINE 4B - OTHER ADJUSTMENTS | NET ALLOCATED 5,877,268 |

| Supplemental Information | |
|--|---|
| Return Reference | Explanation |
| PART XII, LINE 2D - OTHER ADJUSTMENTS | RENTAL EXPENSES 1,493,552 FUNDRAISING EVENT EXPENSE 22,253 GAIN ON INTEREST RATE SWAP - 3,856,298 |

| Supplemental Information | |
|--|-------------------------|
| Return Reference | Explanation |
| PART XII, LINE 4B - OTHER ADJUSTMENTS | NET ALLOCATED 5,877,268 |

| Supplemental Information | |
|--------------------------|---|
| Return Reference | Explanation |
| PART V | VAN ANDEL INSTITUTE (A RELATED ORGANIZATION) MAINTAINS ENDOWED FUNDS FOR THE BENEFIT OF BO TH VARI AND VAN ANDEL EDUCATION INSTITUTE (A RELATED ORGANIZATION) TO FUND OPERATING EXPEN SES |

| Supplemental Information | |
|-----------------------------|--|
| Return Reference | Explanation |
| PART XI AND XII, LINE 4B | EXPENSE ALLOCATIONS PRESENTED WITHIN REVENUE |

| efile GRAPHIC print - DO NOT | PROCESS | As Filed Da | 93493283014177 | | |
|---|-------------------------------------|--|--|--|--|
| SCHEDULE F State | tement of | ted States | OMB No 1545-0047 | | |
| Negaritment of the Transury | | Part IV, line: ► Attach t | n answered "Yes" to Forn 14b, 15, or 16. o Form 990. and its instructions is at v | | 2015 Open to Public Inspection |
| lame of the organization 'AN ANDEL RESEARCH INSTITUTE | | | | Employer identi | ification number |
| Part I General Informatio Complete if the organ | | | | 14b. | |
| For grantmakers. Does the and other assistance, the grants or used to award the grants or | antees' eligibil | | | _ | √ Yes No |
| For grantmakers. Describe I assistance outside the Unite | | ʻganızatıon's p | rocedures for monito | ring the use of its grant | s and other |
| Activites per Region (The follow | ving Part I, line | 3 table can be d | uplicated if additional sp | pace is needed) | |
| (a) Region | (b) Number of offices in the region | (c) Number of employees, agents, and independent contractors in region | (d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for and investments in region |
| (1) EAST ASIA & THE PACIFIC | 0 | 0 | PROGRAM SERVICES | RESEARCH COLLABORATION - RESEARCH SERVICES | 138,582 |
| (2) EUROPE | 0 | | GENERAL EXPENSES | SOFTWARE LICENSING FEES | 1,065 |
| (3) EUROPE | 0 | 0 | PROGRAM SERVICES | RESEARCH COLLABORATION - RESEARCH SERVICES | 12,882 |
| (4) EUROPE | 0 | 0 | RESEARCH SERVICES | LICENSING FEES | |
| (5) | | | | | |
| Sa Sub-total D Total from continuation sheets to Part I | 0 | 0 | | | 152,529 |
| c Totals (add lines 3a and 3b) For Paperwork Reduction Act Notice, see | 0 | 0 | | No 50082W Schedu | 152,529 lle F (Form 990) 2015 |

| Schedule F (Form 990) | 2015 | | | | | | | Page 2 |
|----------------------------|---|--------------------|---|-------------------------------------|---------------------------------------|------------------------------------|--|---|
| Complete | | zation answered "\ | Inizations or Entitie 'es" to Form 990, Par | | | eved more than \$5, | .000. Part II can be | duplicated if |
| 1 (a) Name of organization | (b) IRS code section and EIN (if applicable) | (c) Region | (d) Purpose of grant | (e) A mount of cash grant | (f) Manner of cash disbursement | (g) A mount of non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
| (1) | | EUROPE | RESEARCH COLLABORATION | 154,507 | WIRE TRANSFER | | | |
| (2) | | | | | | | | |
| (3) | | | | | | | | |

(4) Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as

tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter

| | ther Assistance duplicated if addit | | | ed States. Complete | if the organization a | nswered "Yes" to Form | 990, Part IV, line 16. |
|---------------------------------|--|--------------------------|------------------------------|------------------------------------|--|--|--|
| (a) Type of grant or assistance | (b) Region | (c) Number of recipients | (d) A mount of cash grant | (e) Manner of cash disbursement | (f) A mount of non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
| (1) | | | | | | | |
| (2) | | | | | | | |
| (3) | | | | | | | |
| (4) | | | | | | | |
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| (2) | | | | |
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| (4) | | | | |
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| (10) | | | | |
| (11) | | | | |
| (12) | | | | |
| (42) | | | | |

| (4) | | | | |
|-------|--|--|--------|-----------------------|
| (5) | | | | |
| (6) | | | | |
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| (15) | | | | |
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| (17) | | | | |
| (18) | | | | |
| | | | Schedu | lle F (Form 990) 2015 |

| (9) | | | | |
|-------|--|--|--------|-----------------------|
| (10) | | | | |
| (11) | | | | |
| (12) | | | | |
| (13) | | | | |
| (14) | | | | |
| (15) | | | | |
| (16) | | | | , |
| (17) | | | | |
| (18) | | | | |
| | | | Schedu | ıle F (Form 990) 2015 |

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

| Jou Schedule 1, 3 | applemental information |
|------------------------------|--|
| Return Reference | Explanation |
| PART I, LINE 2 | GRANT FUNDS ARE MONITORED BY QUARTERLY EXPENDITURE REPORTS BEFORE DISBURSING INCREMENTAL F UNDING PROGRESS REPORTS ARE REQUIRED ANNUALLY AND REVIEWED BY VAN ANDEL RESEARCH INSTITUT E AND A THIRD PARTY |

990 Schedule F, Supplemental Information

Return Reference Explanation

SCHEDULE F. PART II. LINE 1 ORGANIZATION PROVIDED ASSISTANCE IS MONITORED WITH QUARTERLY EXPENDITURE REPORTING

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DLN: 93493283014177

OMB No 1545-0047

2015

SCHEDULE G (Form 990 or 990-EZ)

Department of the Treasury

Name of the organization

Internal Revenue Service

Supplemental Information Regarding Fundraising or Gaming Activities

Complete if the organization answered "Yes" on Form 990, Part IV, lines 17, 18, or 19, or if the organization entered more than \$15,000 on Form 990-EZ, line 6a

Attach to Form 990 or Form 990-EZ

▶ Information about Schedule G (Form 990 or 990-EZ) and its instructions is at www irs gov/form990

Open to Public Inspection

Employer identification number

| 'AN ANDEL RESEARCH INST | ITUTE | | | | | 52-2000823 | . |
|---|-----------------------|---------------------------|---|--------------------------------------|-------------------|---|--|
| Part I Fundraising Ac Form 990-EZ file | · | | _ | ation answered "Yes" his part. | on Form | 990, Part IV | , line 17. |
| 1 Indicate whether the orga | nızatıon raised fund | ds through | n any of th | ne following activities C | heck all ti | hat apply | |
| a Mail solicitations | | | | e Solicitation of n | on-goverr | nment grants | |
| b Internet and email so | licitations | | | f Solicitation of g | overnmen | t grants | |
| c Phone solicitations | | | | g | sing event | s | |
| d In-person solicitation | is | | | · | | | |
| 2a Did the organization have or key employees listed in services? | | | | | | | es No |
| b If "Yes," list the ten high to be compensated at lea | | | | isers) pursuant to agree | ements un | der which the f | undraiser is |
| (i) Name and address of individual or entity (fundraiser) | (ii) Activity | fundrais custo cont | Did ser have ody or rol of outions? | (iv) Gross receipts from activity | (or re fundrai | nount paid to stained by) ser listed in sol (i) | (vi) A mount paid to (or retained by) organization |
| | | Yes | No | | | | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
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| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| otal | | | • | | | | |
| 3 List all states in which the or registration or licensing | organization is regis | stered or | licensed t | o solicit contributions o | or has bee | n notified it is e | exempt from |
| | | | | | | | |

Complete if the organization answered "Yes" on Form 990, Part IV, line 18, or reported more than \$15,000 of fundraising event contributions and gross income on Form 990-EZ, lines 1 and 6b. List events with gross receipts greater than \$5,000

| | | (a) Event #1 | (b) Event #2 | (c)O ther events | (d) Total events | |
|------------------|---|---|---|--------------------|--|--|
| | | 5K RACE (event type) | GRIFFINS (event type) | (total number) | (add col (a) through col (c)) | |
| KIE | | | | | | |
| Revernie | 1 Gross receipts | 30,770 | 26,549 | | 57,319 | |
| _ | 2 Less Contributions | 22,210 | 25,249 | | 47,459 | |
| | Gross income (line 1 minus | 8,560 | 1,300 | | 9,860 | |
| | 4 Cash prizes | | | | | |
| | 5 Noncash prizes | | | | | |
| S O | 6 Rent/facility costs | | | | | |
| Expenses | 7 Food and beverages | | | | | |
| | 8 Entertainment | | | | | |
| Direct Direct | 9 Other direct expenses | 9,193 | 13,060 | | 22,253 | |
| ā | 10 Direct expense summary Add lines | 4 through 9 in column (d |) | • | 22,253 | |
| | 11 Net income summary Subtract line | 10 from line 3, column (d |) | • | -12,393 | |
| Par | Complete if the organization Form 990-EZ, line 6a. | ı answered "Yes" on F | orm 990, Part IV, line | 19, or reported mo | re than \$15,000 on | |
| Revenue | | (a)Bıngo | (b)Pull tabs/Instant bingo/progressive bingo | (c)O ther gaming | (d) Total gaming (add col (a) through col (c)) | |
| <u>~</u> | 1 Gross revenue | | | | | |
| Expenses | 2 Cash prizes | | | | | |
| ğ | 3 Noncash prizes | | | | | |
| ă | | | <u> </u> | | | |
| | 4 Rent/facility costs | | | | | |
| | 4 Rent/facility costs | | | | | |
| ਸ਼ੂ ਹਵਾਰ | | ☐ Yes % | ┌ Yes%_ | | | |
| | | ☐ Yes% | · | Г Yes%_ Г No | | |
| | 5 Other direct expenses | No No | ☐ No | • | | |
| | 5 Other direct expenses 6 Volunteer labor 7 Direct expense summary Add lines | No 2 through 5 in column (d |) | ▶ | | |
| | 5 Other direct expenses 6 Volunteer labor 7 Direct expense summary Add lines 8 Net gaming income summary Subtra | 2 through 5 in column (d |) | ▶ | | |
| | 5 Other direct expenses 6 Volunteer labor 7 Direct expense summary Add lines | No 2 through 5 in column (d act line 7 from line 1, column action conducts gaming action conducts. | No | ▶ | Yes | |
| | 5 Other direct expenses 6 Volunteer labor 7 Direct expense summary Add lines 8 Net gaming income summary Subtractions. Enter the state(s) in which the organizations. | No 2 through 5 in column (d act line 7 from line 1, column ation conducts gaming act gaming act gaming activities in eact | No | ▶ | Yes | |
| bein | 5 Other direct expenses 6 Volunteer labor 7 Direct expense summary Add lines 8 Net gaming income summary Subtraction Enter the state(s) in which the organization licensed to conduct | No 2 through 5 in column (d act line 7 from line 1, column ation conducts gaming act gaming act gaming activities in eact | No | ▶ | Yes No | |
| perio | 5 Other direct expenses 6 Volunteer labor 7 Direct expense summary Add lines 8 Net gaming income summary Subtraction Enter the state(s) in which the organization licensed to conduct | No 2 through 5 in column (defect line 7 from line 1, column action conducts gaming activities in eactivities in eactivities. | No in the selection of these states? | No | Yes No Tyes No Tyes No | |

| SCHE | dule G (Form 990 or 990-EZ) 2 | 015 | | Page |
|------|----------------------------------|--|---|-------------------|
| 11 | Does the organization conduct | gaming activities with nonmem | bers? | Yes No |
| 12 | Is the organization a grantor, b | peneficiary or trustee of a trust o | or a member of a partnership or other | entity |
| | formed to administer charitable | e gamıng? | | Yes No |
| 13 | Indicate the percentage of gam | ning activity conducted in | | |
| а | The organization's facility | | | 13a 9 |
| b | An outside facility | | | 13b |
| 14 | Enter the name and address of | the person who prepares the or | ganızatıon's gamıng/specıal events l | books and records |
| | Name ▶ | | | |
| | Address ► | | | |
| 15a | | | hom the organization receives gami | |
| | revenue? | | | Yes No |
| b | If "Yes," enter the amount of g | aming revenue received by the | organization 🕨 \$ | and the |
| | amount of gaming revenue reta | nined by the third party $ hildsymbol{	hinspace}$ \$ | | |
| c | If "Yes," enter name and addre | ess of the third party | | |
| | Name ▶ | | | |
| | Address ▶ | | | |
| 16 | Gaming manager information | | | |
| | Name ▶ | | | |
| | Gaming manager compensation | n ▶ \$ | | |
| | Description of services provide | ed | | |
| | Director/officer | Employee | ☐ Independent contracto | r |
| 17 | Mandatory distributions | | | |
| а | Is the organization required un | ider state law to make charitable | e distributions from the gaming proce | eeds to |
| | retain the state gaming license | e? | | □Yes □No |
| b | Enter the amount of distributio | ns required under state law dist | ributed to other exempt organization | · · · |
| | in the organization's own exem | pt activities during the tax year | > \$ | |
| Par | | 10b, 15b, 15c, 16, and 17b, | anations required by Part I, line as applicable. Also complete th | |
| | | (5555557. | | |

efile GRAPHIC print - DO NOT PROCESS As Filed Data -Schedule I (Form 990) Department of the Treasury Internal Revenue Service Name of the organization

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

Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.

► Attach to Form 990. ▶ Information about Schedule I (Form 990) and its instructions is at www.irs.gov/form990. OMB No 1545-0047

Employer identification number

2015

DLN: 93493283014177

Open to Public Inspection

| VAN ANDEL RESEARCH INSTITUTE | | | | | | 52-2000823 | |
|--|--|--------------------------------------|----------------------------|---|---|--|---------------------------------------|
| Part I General Informatio | n on Grants an | d Assistance | | | | <u> </u> | |
| Does the organization maintain the selection criteria used to aw Describe in Part IV the organization | ward the grants or a ation's procedures | ssistance? for monitoring the use | of grant funds in the Ur | ited States | | | √ Yes No |
| Part II Grants and Other Assistation that received more than s | | | | iplete if the organization | answered "Yes" on F | orm 990, Part IV, line 21 | , for any recipient |
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) A mount of cash grant | (e) A mount of non- cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| See Additional Data Table | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 2 Enter total number of section 50 | D1(c)(3) and govern | nment organizations lis | sted in the line 1 table . | | | | 3 |
| 3 Enter total number of other orga | ınızatıons lısted ın t | the line 1 table | <u></u> | <u> </u> | <u></u> . | <u> ▶ </u> <u> </u> | 0 |
| For Paperwork Reduction Act Notice, see | the Instructions for | Form 990. | | Cat No 50055P | | Schedu | le I (Form 990) 2015 |

Page **2**

Schedule I (Form 990) 2015

Schedule I (Form 990) 2015

| | TATE UNIVERSITY | 7 | 100,302 | | |
|----------------|---|---|---------|--|--|
| | DENT STIPENDS VAN TE GRADUATE SCHOOL | 3 | 69,320 | | |
| (3) FOREIGN NA | TIONAL STIPENDS | 6 | 77,924 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Supplemental Information. Provide the information required in Part I, line 2, Part III, column (b), and any other additional information. Return Reference Explanation STUDENTS RECEIVE A STIPEND FOR LIVING EXPENSE AND INSURANCE. GRANT FUNDS TO INSTITUTIONS ARE MONITORED BY PART I, LINE 2

Additional Data

(a) Name and address of

organization

(b) EIN

Software ID: Software Version:

(c) IRC section

ıf applıcable

EIN: 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

(d) A mount of cash

grant

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

| or government | | парриодале | grani | assistance | other) | There each acceptation | |
|--|------------|------------|---------|------------|--------|------------------------|---------------------------|
| JOHNS HOPKINS UNIVERSITY 3400 N CHARLES STREET BALTIMORE, MD 21218 | 52-0595110 | 501C3 | 154,309 | | | | RESEARCH COLLABORATION |
| UNIVERSITY OF SOUTHERN CALIFORNIA 1450 BIGGY STREET LOS ANGELES,CA 90089 | 95-1642394 | 501C3 | 172,898 | | | | RESEARCH COLLABORATION |
| MEMORIAL SLOAN- KETTERING CANCER CENTER 1275 YORK AVENUE NEW YORK,NY 10065 | 13-1924236 | 501C3 | 198,388 | | | | RESEARCH COLLABORATION |

(e) A mount of non- (f) Method of valuation

cash

(book, FMV, appraisal,

(g) Description of

non-cash assistance

(h) Purpose of grant

or assistance

DLN: 93493283014177

OMB No 1545-0047

Schedule J

(Form 990)

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest **Compensated Employees**

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23. ► Attach to Form 990.

2015

Open to Public

Department of the Treasury Internal Revenue Service ▶ Information about Schedule J (Form 990) and its instructions is at www.irs.gov/form990.

Employer identification number Name of the organization VAN ANDEL RESEARCH INSTITUTE 52-2000823 **Questions Regarding Compensation** No Yes Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items First-class or charter travel Housing allowance or residence for personal use Travel for companions Payments for business use of personal residence Tax idemnification and gross-up payments Health or social club dues or initiation fees Discretionary spending account Personal services (e.g., maid, chauffeur, chef) If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain 1b Yes Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked in line 1a? 2 Yes Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director Check all that apply Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III ✓ Compensation committee ✓ Written employment contract Independent compensation consultant Compensation survey or study Form 990 of other organizations Approval by the board or compensation committee During the year, did any person listed on Form 990, Part VII, Section A, line 1a with respect to the filing organization or a related organization Receive a severance payment or change-of-control payment? 4a Nο 4b Participate in, or receive payment from, a supplemental nonqualified retirement plan? Νo 4c Participate in, or receive payment from, an equity-based compensation arrangement? Νo If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9. For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of The organization? **5**a Νo Any related organization? 5b Νo If "Yes," on line 5a or 5b, describe in Part III For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of The organization? 6a Νo Any related organization? 6b Νo If "Yes," on line 6a or 6b, describe in Part III For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III 7 Νo Were any amounts reported on Form 990, Part VII, paid or accured pursuant to a contract that was subject to the initial contract exception described in Regulations section 53 4958-4(a)(3)? If "Yes," describe ın Part III 8 Νo If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53 4958-6(c)?

| rage Z | | | | | | | | | |
|---|--|--------------------|----------------|----------------------|---------------------|--|--|--|--|
| Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed. | | | | | | | | | |
| For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii) Do not list any individuals that are not listed on Form 990, Part VII Note. The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual | | | | | | | | | |
| (A) Name and Title | (B) Breakdown of W-2 and/or 1099-MISC compensation | (C) Retirement and | (D) Nontaxable | (E) Total of columns | (F) Compensation in | | | | |

Page 2

Schedule J (Form 990) 2015

| (A) Name and Title | (B) Breakdown o | f W-2 and/or 1099-MIS | SC compensation | (C) Retirement and | (D) Nontaxable | (E) Total of columns | (F) Compensation in |
|--------------------|-----------------------|-----------------------|------------------|--------------------|------------------------|----------------------|----------------------|
| | B | (ii) | (ii) (iii) | | benefits | (B)(ı)-(D) | column(B) reported |
| | Base (1) compensation | Bonus & incentive | Other reportable | compensation | | | as deferred on prior |
| | (1) compensation | compensation | compensation | | | | Form 990 |

Schedule 1 (Form 990) 2015

See Additional Data Table

| Schedule J (Form 990) 2015 | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|
| Part IIII Supplemental Inform | Supplemental Information | | | | | | | | | |
| Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II Also complete this part for any additional information | | | | | | | | | | |
| Return Reference Explanation | | | | | | | | | | |
| PART I, LINE 1A | VARI ALLOWS FOR FIRST-CLASS OR CHARTER TRAVEL FOR OFFICERS AND TRUSTEES | | | | | | | | | |

Schedule J (Form 990) 2015

6-1-4-1-1 (5---- 000) 2015

Software ID: Software Version:

EIN: 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

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

| Form 990, Schedule J, F | rart I | | | | | | | |
|--|--------|-----------------------------|---|--|--|-----------------------------------|------------------------------------|--|
| (A) Name and Title | | (i) Base Compensation | W-2 and/or 1099-MIS (ii) Bonus & Incentive compensation | C compensation (iii) Other reportable compensation | (C) Retirement and other deferred compensation | (D) Nontaxable benefits | (E) Total of columns (B)(i)-(D) | (F) Compensation in column (B) reported as deferred on prior Form 990 |
| 1DAVID VAN ANDEL CHAIRMAN / CEO | (1) | 327,115 | 110,250 | 22,753 | 96,150 | 860 | 557,128 | 110,250 |
| 1DR GEORGE VANDE WOUDE | | 202.552 | - | U | · · | 0 | 0 | |
| TRUSTEE/ INVESTIGATOR | (1) | 293,553 | 0 | 20,472 | 21,200 | 1,703 | 336,928 | 0 |
| | (11) | 0 | 0 | 0 | 0 | -0 | - 0 | 0 |
| 2DR JANA HALL CHIEF OPERATIONS OFFICER | (1) | 314,424 | 58,343 | 3,564 | 77,711 | 10,712 | 464,754 | 58,343 |
| | (11) | 0 | 0 | 0 | 0 | 0 | | 0 |
| 3DAVID WHITESCARVER SECRETARY/V P & CHIEF | (1) | 290,393 | 57,422 | 20,304 | 82,731 | 10,712 | 461,562 | 57,422 |
| LEGAL OFFICER | (11) | 0 | 0 | 0 | 0 | - | _ _ 0 | 0 |
| 4TIMOTHY MYERS V P & CHIEF FINANCIAL | (1) | 253,080 | 42,300 | 785 | 67,662 | 10,712 | 374,539 | 42,300 |
| OFFICER | (11) | 0 | 0 | 0 | 0 | -0 | - 0 | 0 |
| 5 DR PETER JONES CHIEF SCIENTIFIC OFFICER | (1) | 546,027 | 147,500 | 24,858 | 151,400 | 10,712 | 880,497 | 147,500 |
| & RES DIR | (11) | 0 | 0 | 0 | 0 | | | 0 |
| 6 KATHY VOGELSANG CHIEF INVESTMENT OFFICER | (1) | 242,938 | 185,400 | 20,224 | 155,739 | 10,712 | 615,013 | 185,400 |
| | (11) | 0 | 0 | 0 | 0 | - | - 0 | 0 |
| 7DR PATRIK BRUNDIN VARI ASSOCIATE DIRECTOR | (1) | 427,161 | 58,000 | 10,954 | 70,775 | 10,712 | 577,602 | 58,000 |
| OF RESEARCH | (11) | 0 | 0 | 0 | 0 | - | _ 0 | 0 |
| 8DR GERALD CALLAHAN VP, INNOVATIONS & | (1) | 257,557 | 78,107 | 17,679 | 97,919 | 10,712 | 461,974 | 78,107 |
| COLLABORATIONS | (11) | 0 | 0 | 0 | 0 | -0 | - 0 | 0 |
| 9DR PETER LAIRD INVESTIGATOR | (1) | 371,424 | 6,417 | 2,322 | 44,686 | 10,712 | 435,561 | 0 |
| | (11) | 0 | 0 | 0 | 0 | | _ 0 | 0 |
| 10DR GERD PFEIFER INVESTIGATOR | (1) | 342,930 | 0 | 2,322 | 26,434 | 10,712 | 382,398 | 0 |
| | (11) | 0 | 0 | 0 | 0 | | - 0 | 0 |

efile GRAPHIC print - DO NOT PROCESS As Filed Data -Schedule K

Supplemental Information on Tax Exempt Bonds

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 24a. Provide descriptions, explanations, and any additional information in Part VI.

▶ Attach to Form 990.

OMB No 1545-0047

Employer identification number

2015

DLN: 93493283014177

Open to Public Inspection

Name of the organization

Department of the Treasury

(Form 990)

VAN ANDEL RESEARCH INSTITUTE

▶Information about Schedule K (Form 990) and its instructions is at www.irs.gov/form990. Internal Revenue Service

52-2000823 Part I **Bond Issues** (a) Issuer name (b) Issuer EIN (c) CUSIP # (d) Date issued (e) Issue price (f) Description of purpose (g) Defeased **(h)** On (i) Pool behalf of financing ıssuer Yes No Yes No Yes No MICHIGAN STRATEGIC FUND 52-1417332 04-01-2013 220,000,000 REFUND BOND ISSUE Х Χ Х 4/10/08 **Proceeds** Part II Α С 2 Total proceeds of issue 220,000,000 Gross proceeds in reserve funds 5 8 9 10 11 220,000,000 12 13 Yes No Yes No Yes Yes No Were the bonds issued as part of a current refunding issue? Х 14 Were the bonds issued as part of an advance refunding issue? Х 15 Х 16 Does the organization maintain adequate books and records to support the final 17 Х allocation of proceeds?

Are there any lease arrangements that may result in private business use of bond-

Was the organization a partner in a partnership, or a member of an LLC, which owned

.

Private Business Use

В

No

Yes

Α

No

Х

Х

Yes

Yes

D

No

С

No

Yes

| | | | A | | В | | С | | D | |
|-------|---|--------------|-----|---------|-----|----|-----|----|-----|--|
| | | | Yes | No | Yes | No | Yes | No | Yes | No |
| 3a | Are there any management or service contracts that may result in private both bond-financed property? | ousiness use | × | | | | | | | |
| b | If "Yes" to line 3a, does the organization routinely engage bond counsel or counsel to review any management or service contracts relating to the final | | X | | | | | | | |
| prope | Are there any research agreements that may result in private business use | of bond- | | | | | | + | + | |
| С | financed property? | | Х | | | | | | | |
| d | If "Yes" to line 3c, does the organization routinely engage bond counsel or counsel to review any research agreements relating to the financed propert | | X | | | | | | | |
| 4 | Enter the percentage of financed property used in a private business use by other than a section 501(c)(3) organization or a state or local government. | | | | | | | | | |
| 5 | Enter the percentage of financed property used in a private business use as unrelated trade or business activity carried on by your organization, anothe 501(c)(3) organization, or a state or local government | rsection | | 0 660 % | | | | | | |
| 6 | Total of lines 4 and 5 | | | 0 660 % | | | | | | |
| 7 | Does the bond issue meet the private security or payment test? | | | Х | | | | | | |
| 8a | Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were issued? | | | × | | | | | | |
| b | If "Yes" to line 8a, enter the percentage of bond-financed property sold or c | | | | | | | | | |
| С | If "Yes" to line 8a, was any remedial action taken pursuant to Regulations s | sections | | | | | | | | |
| 9 | Has the organization established written procedures to ensure that all nonq bonds of the issue are remediated in accordance with the requirements und Regulations sections 1 141-12 and 1 145-2? | | Х | | | | | | | |
| Par | t IV Arbitrage | | | | | | | | | |
| | | A | | | В | | С | | D | |
| | | Yes | No | Yes | No | Ye | :S | No | Yes | No |
| 1 | Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate? | | × | | | | | | | |
| 2 | If "No" to line 1, did the following apply? | | | | | | | | | |
| а | Rebate not due yet? | | Х | | | | | | | |
| b | Exception to rebate? | | Х | | | | | | | |
| С | No rebate due? | Х | | | | | | | | |
| | If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed. | | | | • | | | | | |
| 3 | Is the bond issue a variable rate issue? | X | | | | | | | | |
| 4a | Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue? | | Х | | | | | | | |
| b | Name of provider | | | | • | | • | | • | |
| С | Term of hedge | | | | | | | | | |
| d | Was the hedge superintegrated? | | | | | | | | | |
| е | Was the hedge terminated? | | | | | | | | | |
| | | | | | | | | | | |

Page 3

| 6 Were any gross proceeds invested beyond an available temporary period? | | | Х | | | | | | |
|---|--|-----|----|-----|----|-----|----|-----|----|
| 7 Has the organization established written procedures to monitor the requirements of section 148? | | x | | | | | | | |
| Part V Procedures To Undertake Corrective Action | | | | | | | | | |
| · | | Α | | В | | С | | D | |
| | | Yes | No | Yes | No | Yes | No | Yes | No |
| Has the organization established written procedures to ensure | | 1 | | | | | | | |

that violations of federal tax requirements are timely identified Х and corrected through the voluntary closing agreement program if self-remediation is not available under applicable regulations? Part VI

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

Return Reference **Explanation**

DATE REBATE

Schedule K (Form 990) 2015

ISSUER NAME MICHIGAN STRATEGIC FUND DATE THE REBATE COMPUTATION WAS PERFORMED

COMPUTATION PERFORMED 11/30/2014

efile GRAPHIC print - DO NOT PROCESS | As Filed Data -

▶ Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.

DLN: 93493283014177

OMB No 1545-0047

Open to Public Inspection

SCHEDULE M (Form 990)

Noncash Contributions

► Attach to Form 990.

Department of the Treasury Internal Revenue Service

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

Employer identification number Name of the organization VAN ANDEL RESEARCH INSTITUTE 52-2000823 Types of Property (d) (a) (b) (c) Check Number of contributions Noncash contribution Method of determining ıf or items contributed amounts reported on noncash contribution amounts applicable Form 990, Part VIII, line 1 g 1 Art—Works of art **2** Art—Historical treasures **3** Art—Fractional interests Books and publications Clothing and household goods Cars and other vehicles Boats and planes . . . Intellectual property . . . Securities-Publicly traded . 3 510,684 FMV **10** Securities—Closely held stock Securities—Partnership, LLC, or trust interests 12 Securities—Miscellaneous . . Qualified conservation contribution—Historic structures **14** Qualified conservation contribution—Other . . . 15 Real estate—Residential . 16 Real estate—Commercial . . 17 Real estate—Other . . . 18 Collectibles **19** Food inventory . . . Х 3 5,124 COST 20 Drugs and medical supplies . **21** Taxidermy 22 Historical artifacts Scientific specimens . . 24 Archeological artifacts . . . **25** Other ▶ (1,400 COST 3 VARIOUS) 26 Other ▶ (**27** Other ▶ (28 Other ▶ (Number of Forms 8283 received by the organization during the tax year for contributions 29 0 for which the organization completed Form 8283, Part IV, Donee Acknowledgement Yes

No 30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which is not required to be used for exempt purposes for the entire holding period? 30a Νo **b** If "Yes," describe the arrangement in Part II 31 Does the organization have a gift acceptance policy that requires the review of any non-standard contributions? 31 Νo 32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash 32a Νo **b** If "Yes," describe in Part II If the organization did not report an amount in column (c) for a type of property for which column (a) is checked,

PART I, COLUMN (B) VARI IS REPORTING THE NUMBER OF CONTRIBUTIONS RECEIVED DURING THE TAX YEAR Schedule M (Form 990) (2015)

| efile GRAPHIC print - DO NOT PROCESS As Filed Data - | | | | DLN: 9 | 3493283014177 |
|---|---|--|-----------------------------|-------------------|--------------------------------|
| SCHEDULE (Form 990 of 1990-EZ) Department of the Treasury Internal Revenue Service | Complete to provi | ide information for res 990-EZ or to provide a ► Attach to Form 99 | or 990-EZ) and its instruct | ns on | 2015 Open to Public Inspection |
| Name of the organ VAN ANDEL RESEARC | | on | | Employer identifi | cation number |
| Return Reference | | Ex | planation | | |
| FORM 990, PART VI, SECTION A, LINE 2 | VARI, VAI, VAEI, AND VAIGS SHARE COMMON MANAGEMENT DAVID VAN ANDEL, DR JANA HALL, TIMOTHY MY ERS AND DAVID WHITESCARVER ARE ALSO OFFICERS OF VAI, AND DAVID VAN ANDEL, TIMOTHY MY ERS AND DAVID WHITESCARVER (THROUGH 8/31/16) ARE OFFICERS OF VAEI AND VAIGS | | | | |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|--|--|
| FORM 990, PART VI, SECTION A, LINE 7A | THE TRUSTEES OF VAN ANDEL INSTITUTE HAVE THE AUTHORITY TO ELECT ONE OR MORE MEMBERS OF VARI'S GOVERNING BODY |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|--|---|
| FORM 990, PART VI, SECTION B, LINE 11 | FOLLOWING COMPLETION OF THE FINANCIAL STATEMENT AUDIT, THE FORM 990 IS PREPARED AND REVIEWED BY MANAGEMENT IT IS THEN CIRCULATED TO THE FULL BOARD FOR REVIEW AND COMMENTS PRIOR TO FILING WITH THE IRS |

| Return Reference | Explanation |
|---|---|
| FORM 990, PART VI, SECTION B, LINE 12C | VARI HAS WRITTEN CONFLICT OF INTEREST ("COI") POLICIES AND PROCEDURES WHICH ADMINISTER AND ENFORCE A PROCESS TO IDENTIFY, EVALUATE, AND MANAGE POTENTIAL CONFLICTS OF INTEREST THESE POLICIES HAVE BEEN APPROVED BY THE BOARD OF TRUSTEES VAI ADMINISTERS COI POLICIES AND PROCEDURES THROUGH TWO STANDING COMMITTEES THE CONFLICTS COMMITTEE ("CC") AND THE INSTITUTIONAL COI COMMITTEE ("ICOIC") COI POLICIES AND PROCEDURES APPLY TO AND SERVE AS A GUIDE FOR EVERY ONE IN THE ORGANIZATION IN PARTICULAR, THEY PROVIDE A USEFUL RESOURCE FOR DEVELOPING ACTIVITIES OR RELATIONSHIPS WITH OUTSIDE ENTITIES OR PERSONS, AND ESTABLISH A PROCESS FOR COMMITTEES TO REVIEW AND MANAGE POTENTIAL CONFLICTS OF INTEREST AS THEY MAY ARISE. THE CC AND ICOIC ARE CHAIRED BY THE GENERAL COUNSEL. THE CC REQUIRES ANNUAL AND UPDATED DISCLOSURES BY COVERED PERSONS AND REVIEWS AND APPROVES MANAGEMENT PLANS. ICOIC POLICIES AND PROCEDURES SERVE AS A GUIDE FOR BOARDS OF TRUSTEES AND SENIOR EXECUTIVES. IN THE EVENT A POTENTIAL COI ARISES AT THE BOARD OR SENIOR EXECUTIVE LEVEL, THE ICOIC MEETS TO REVIEW AND DETERMINE HOW TO MANAGE SUCH A POTENTIAL CONFLICT OF INTEREST IN ACCORDANCE WITH THE COI POLICIES AND PROCEDURES. |

| Return Reference | Explanation |
|-----------------------|---|
| FORM 990, PART VI, | COMPARABILITY DATA FROM EXPERT THIRD PARTY IS OBTAINED AND REVIEWED BY THE INDEPENDENT, JOINT COMPENSATION COMMITTEE OF VAN ANDEL RESEARCH INSTITUTE AND RELATED ORGANIZATIONS TO DETERMINE |
| SECTION B, LINE 15 | APPROPRIATE COMPENSATION FOR THE CEO, EXECUTIVE MANAGEMENT OFFICIALS, OFFICERS, AND KEY EMPLOYEES, ON BEHALF OF VAN ANDEL RESEARCH INSTITUTE. |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|--|--|
| FORM 990, PART VI, SECTION C, LINE 19 | ALL DOCUMENTS REQUIRED TO BE MADE AVAILABLE TO THE PUBLIC ARE AVAILABLE FOR PUBLIC INSPECTION UPON WRITTEN REQUEST |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|--------------------------------------|
| FORM 990, PART XI, LINE 9 | GAIN ON INTEREST RATE SWAP 3,856,298 |

| Return Reference | Explanation |
|-------------------------------|--|
| FORM 990, PART III, LINE 2 | VAN ANDEL RESEARCH INSTITUTE (VARI) IS DEDICATED TO DETERMINING THE EPIGENETIC, GENETIC, MOLECULAR, AND CELLULAR ORIGINS OF CANCER, PARKINSON'S DISEASE, AND OTHER ILLNESSES AND TO TRANSLATING THOSE FINDINGS INTO EFFECTIVE THERAPIES THE INSTITUTE'S SCIENTISTS WORK IN ON-SITE LABORATORIES AND PARTICIPATE IN COLLABORATIONS THAT SPAN THE GLOBE WITH EPIGENETICS AS ITS COMMON THREAD, VARI IS ORGANIZED INTO THREE CENTERS-THE CENTER FOR CANCER AND CELL BIOLOGY, THE CENTER FOR EPIGENETICS, AND THE CENTER FOR NEURODEGENERATIVE SCIENCE-AS WELL AS A CORE TECHNOLOGIES AND SERVICES GROUP, WHICH PROVIDES A VIVARIUM, A BIOREPOSITORY, AND VALUABLE ON-SITE CAPABILITIES IN CRYO-ELECTRON MICROSCOPY (CRYO-EM), IMAGING, PATHOLOGY, BIOINFORMATICS, GENOMICS, AND FLOW CYTOMETRY RESEARCH BY VARI SCIENTISTS IS PUBLISHED IN MAJOR PEER-REVIEWED JOURNALS, INCLUDING, IN 2016, CELL, CELL DISCOVERY, MOLECULAR CELL, NEW ENGLAND JOURNAL OF MEDICINE, SCIENCES TRANSLATIONAL MEDICINE, NATURE REVIEWS GENETICS, SCIENTIFIC REPORTS, CANCER, CANCER CELL, GENOME BIOLOGY, BONE RESEARCH, CANCER RESEARCH, PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES USA, CLINICAL CANCER RESEARCH, JOURNAL OF BONE AND MINERAL RESEARCH, JOURNAL OF BIOLOGICAL CHEMISTRY, MOLECULAR BIOLOGY OF THE CELL, JOURNAL OF AFFECTIVE DISORDERS, ONCOGENE, JOURNAL OF CHEMICAL PHYSICS, NEUROPATHOLOGY AND APPLIED NEUROBIOLOGY, SARCOMA, MOLECULAR CANCER RESEARCH, JOURNAL OF MEDICINAL CHEMISTRY, PLOS ONE, BMJ OPEN, JOURNAL OF EXPERIMENTAL MEDICINE, EPIGENETICS AND CHROMATIN, CELLULAR AND MOLECULAR GASTROENTEROLOGY AND HEPATOLOGY, FEBS JOURNAL, JOURNAL OF PARKINSON'S DISEASE, VIROLOGY JOURNAL, PEDIATRIC CARDIOLOGY, AND PSYCHONEUROENDOCRINOLOGY |

| Return Reference | Explanation |
|-----------------------------------|--|
| FORM 990, PART III, LINE 4A | LINE 4A - PROGRAM SERVICE ACTIVITY #1 CENTER FOR CANCER AND CELL BIOLOGY. THE CENTER FOR CANCER AND CELL BIOLOGY, DIRECTED BY BART WILLIAMS, PH.D., COMPRISES 12 LABORATORIES BIOLOGY. BASIC RESEARCH IN MOLECULAR AND STRUCTURAL BIOLOGY AND IN TRANSLATIONAL RESEARCH ON CANCERS, THE TUMOR MICROENVIRONMENT, AND SKELETAL DISEASES DR. H. ERIC XU, A STRUCTURAL BIOLOGIST IN THE CENTER, RECEIVED THE PRESTIGIOUS HANS NEURATH AWARD FROM THE PROTEIN SOCIETY IN AUGUST OF 2016 FOR CONTRIBUTIONS OF EXCEPTIONAL MERIT TO PROTEIN RESEARCH CENTER INVESTIGATORS RECEIVED THREE NIH AWARDS IN 2016 ADDITIONAL AWARDS AND LICENSE REVENUE WERE RECEIVED FROM THE DEPARTMENT OF DEPENSE, THE TUBEROUS SCLEROSIS ALLIANCE, THE AMERICAN ASTHMA FOUNDATION, THE BREAST CANCER RESEARCH FOUNDATION, THE MICHAEL J. FOX FOUNDATION, AND BOL AATU MEDICINE TWO NEW RESEARCH CONTRACTS WERE SIGNED IN 2016 STUDIES OF THREE DIMBNISIONAL IN MOLECULAR STRUCTURES AND THEIR PHY SICAL INTERACTIONS HAVE BEEN PROCEEDING ON SEVERAL FRO NTS IN 2016 THE XU AND MELCHER LABORATORIES DESIGNED AND DEVELOPED A HIGHLY POTENT GLUCOC ORTICOID, V SGC12, THAT DEMONSTRATED A HIGHER EFFICACY AND POTENCY THAN FLUTICASONE FUROATE, A COMMON ASTHMA TREATMENT, IN REPRESSING MOST ASTHMA SYMPTOMS V SGC12 ALSO SHOWED A BETT ER SIDE-EFFECT PROFILE AT THE EFFECTIVE DOSES, GIVING THIS NEW MOLECULE PROMISE AS A NEW A STHMA TREATMENT (HE ET AL, CELL DISCOVERY 1 15035) ANOTHER STUDY INVOLVED THE AMYLOID PRECURSOR PROTEIN AND ITS ASSOCIATION WITH ALZHEIMER'S DISEASE MUTATIONS IN THIS PROTEIN CAN CHANGE ITS WUSCEPTIBILITY TO CLEAVAGE INTO AN AGGREGATION-PRONE FORM, WHICH IS FOUND IN ALZHEIMER'S PATIENTS THIS WORK IDENTIFIED WHICH MUTATIONS INCREASE THE TENDENCY TOWARD A GREGGATION, AND THIS RESULT CAN BE EXTENDED TO THE CLEAVAGE OF THE PROTEINS CALLED NOTCH RECEPTORS, WHICH ARE CELL-SURFACE SIGNALING PROTEINS THE SUSCEPTIBILITY TO CLEAVAGE OF THE PROTEINS CALLED NOTCH RECEPTORS, WHICH ARE CELL-SURFACE SIGNALING PROTEINS ON THE ABS STUDIED NANOB ODIES, WHICH ARE FRAGMENTS OF HUMAN ANTIBODIES, SPECIFI |

| Return Reference | Explanation |
|-----------------------------------|--|
| FORM 990, PART III, LINE 4A | ROLE FOR THE EXTRACELLULAR DOMAIN OF THE GLUCAGON-LIKE PEPTIDE-1 RECEPTOR, WHICH IS A MAJ OR TARGET FOR DIABETES THERAPY. THE DATA SUPPORT A MODEL IN WHICH BINDING OF A PEPTIDE TO THE RECEPTOR SWITCHES IT FROM AUTOINHIBITED TO AUTOACTIVATED, BY RELEASING THE INTRINSIC A GONIST ACTIVITY OF THE EXTRACELLULAR DOMAIN (YIN ET AL., CELL DISCOVERY 2. 10642). PROGRES S CONTINUES IN STUDIES OF PANCREATIC CANCER. THE HAAB LABORATORY HAS IDBITIFIED SUGAR MOLE CULES THAT ATTACH TO MUCSAC, A PROTEIN FOUND IN PRECANCEROUS (MUCINUOUS CYSTS), IN A CHARA CTERISTIC WAY, PROVIDING A MEANS TO DETERMINE WHETHER PANCREATIC CYSTS CARRY A FUTURE RISK OF CANCER (SINHA ET AL., PLOS ONE 11/12). E0167070). THE LAB ALSO DEVELOPED A NEW METHOD OF OBTAINING DATA ON SUGAR-MODIFIED PROTEINS USING AS LITTLE AS 11 NANOGRAMS OF PROTEIN T HIS METHOD WAS EFFECTIVE IN ANALYZING THE SUGARS ATTACHED TO THE MUCSAC PROTEIN FROM A SAM PLE OF ONLY 20 MCROLITERS OF PLASMA (REATINI ET AL., ANALYTICAL CHEMISTRY 88(23). 11584-1.1592). A THIRD STUDY LOOKED AT THE CA19-9 CANCER MARKER IN SAMPLES FROM OVER 200 PATIBITYS WITH EITHER PANCREATIC CANCER OR BENIGN PANCREATIC DISEASE. THIS STUDY SHOWED THAT TWO SUG AR ANTIGENS MIPROVED THE IDENTIFICATION OF SUBTY PES OF PANCREATIC CANCER RELATIVE TO THE USE OF THE CA19-9 ANTIGEN ALONE (TANGES ET AL., CELLULAR AND MOLECULAR GASTROENTEROLOGY AND HE PATOLOGY 2(2). 210-221). IN CLINICALLY RELATED RESEARCH, A STUDY FROM THE STEENSMA LABORAT ORY SHOWED THAT A COMBINATION OF TRADITIONAL CHEMOTHERAPY DRUGS PLUS MET AND EGER INHIBITOR SWERE EFFECTIVE AGAINST TRIPLE.NEGATIVE DREATMENT THIS RESULT SUGGESTS A PROMISING NEW THE RAPEUTIC STRATEGY AGAINST THIS AGGRESSIVE AND DIFFICULT TO TREAT CANCER (LINKLATER ET AL., ONCOTARGET 7(43). 69903). THE GROHAR LABORATORY PUBLISHED THREE PAPERS FROM THIS RESEARCH ON EWING SARCOMA, A RARE CANCER THAT MAINLY STRIKES TEEDNES AND YOUNG ADULTS IN ONE STUDY. THE LAB LOOKED FOR BETTER VARIANTS OF MITHRAWY ON AS A THERAPEUTIC DRUG A COMPOUND CA LLED EC-8105 WAS THE MOST FOTENT. SUPPRESSING ACTIVI |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|-----------------------------------|--|
| FORM 990, PART III, LINE 4A | ATION OF ESTABLISHED TUMORS IN 30-70% OF MICE AFTER ONLY 11 DAYS OF THERAPY THIS WORK SHO WS THE PRECLINICAL SAFETY AND EFFICACY OF A NOVEL, DISEASE-SPECIFIC THERAPY TARGETING THE MAIN MOLECULAR DRIVER OF EWING SARCOMA (HARLOW ET AL , CANCER RESEARCH 76(22) 6657-6668) RESEARCH ON THE METABOLISM OF BOTH NORMAL AND PATHOLOGICAL BONE TISSUES CONTINUED IN 2016 THE FAILURE OF A BONE FRACTURE TO HEAL, WHICH OCCURS IN 10%-20% OF FRACTURES, IS A COSTL Y AND DEBILITATING CLINICAL PROBLEM THE WNT/BETA-CATENIN PATHWAY IS CRUCIAL IN BONE DEVEL OPMENT AND FRACTURE HEALING, AND VARIANTS OF THE LRP6 PROTEIN, A WNT-BINDING RECEPTOR, HAV E BEEN ASSOCIATED WITH LOWER BONE MINERAL DENSITY AND FRAGILITY FRACTURES THE RESULTS OF ONE STUDY SUGGEST THAT LRP6 HAS A ROLE IN FRACTURE HEALING (BURGERS ET AL , BONE RESEARCH 4 16025) IN OTHER WORK, MICE HAVING CONDITIONAL LOSS OF BOTH THE LRP5 AND LRP6 GENES SHO WED SEVERE DEFECTS IN SKELETAL DEVELOPMENT DURING EMBRY OGENESIS ADULT MICE CARRYING DELET IONS OF LRP5 AND/OR LRP6 HAD LOW BONE MASS, SUGGESTING THAT IN BOTH EMBRYONIC SKELETAL DEV ELOPMENT AND ESTABLISHMENT OF ADULT BONE MASS, LRP5 AND LRP6 CARRY OUT REDUNDANT FUNCTIONS (SCHUMACHER ET AL , BONE RESEARCH 4 15042) THE MIRANTI LABORATORY FOUND THAT LOSS OF MET PROTEIN EXPRESSION, BUT NOT INHIBITION OF MET KINASE ACTIVITY, INDUCED CELL DEATH VIA AP OPTOSIS BY REDUCING INTEGRIN ALPHA3-BETA1 LEVELS, AMONG OTHER FACTORS THE REEXPRESSION OF WILD-TYPE MET, KINASE-DEAD MET, OR INTEGRIN ALPHA3 WAS SUFFICIENT TO PREVENT CELLS THAT H AD NO MET EXPRESSION FROM DYING (TESFAY ET AL , MOLECULAR BIOLOGY OF THE CELL 27(15) 2493 -2504) |

| Return Reference | Explanation |
|-----------------------------------|--|
| FORM 990, PART III, LINE 4B | LINE 4B - PROGRAM SERVICE ACTIVITY #2 CENTER FOR EPIGENETICS THE CENTER, ESTABLISHED IN 20 14 AND DIRECTED BY THE INSTITUTE'S CHIEF SCIENTIFIC OFFICER PETER JONES, PH D, D SC, COM PRISES NINE LABORATORIES STUDYING EPIGENETICS AND EPIGENOMICS AND THE ROLE OF EPIGENETIC D YSFUNCTION IN CANCER AND NEURODEGENERATIVE DISEASE, CARDIOVASCULAR DISEASE, AND VIRAL TRAN SCRIPTION STEPHEN BAYLIN, M D, A PROFESSOR AT JOHNS HOPKINS UNIVERSITY, HOLDS A 25% APPO INTIMENT IN THE CENTER HULLIN L., PH D, WAS RECRUITED TO THE CENTER IN 2016 AS A PROFESSOR IN 2016, CENTER RESEARCHERS RECEVED THREE NIH AWARDS AS WELL AS AWARDS FROM THE MICHAEL J FOX FOUNDATION AND THE OVARIAN CANCER RESEARCH FUND THE VARI-SUZC EPIGENETICS DREAM TEAM, LED BY PETER JONES AND STEPHEN BAYLIN, CONTINUED ITS WORK IN 2016, WITH THE AIMS OF DEVELOPING NEW COMBINATION THERAPIES TO COMBAT CANCER AND MOVING PROMISING THERAPIES INTO CLINICAL TRIALS THE TEAM FOCUSES ON EPIGENETIC MECHANISMS IN CELLS, WHICH THE P CONTROL WH ETHER FEISES ARE TURNED ON OR OFF WITHOUT CHANGING THE DNA SEQUENCE ITSELF ONE STUDY, LED BY PETER JONES AND UNIVERSITY OF COPENHAGEN'S KIRSTEN GRONBAEK, M D, D MSC, SHOWED THAT MANN PATIENTS WITH BLOOD CANCERS (MY ELO) DYSPLASTIC SYNDROME AND ACUTE MY ELOD LEUKEMAN, ARE MARKEDLY DEFICIENT IN VITAMIN C THE DATA SUGGESTS THAT CORRECTION OF VITAMIN C DEFICI ENCY IN PATIENTS WITH HEMATOLOGICAL AND OTHER CANCERS MAY IMPROVE THEIR RESPONSE TO EPIGEN ETIC THERAPY COMBINED WITH THE USE OF INHIBITORS OF DNA METHYLTRANSFERASES (LIU ET AL., PR OCCEDINGS OF THE NATIONAL ACADEMY OF SCIENCES USA 113(37) 10238-10244) ANOTHER STUDY BY TEAM MEDIBERS AT JOHNS HOPKINS UNIVERSITY AND UNIVERSITY OF MARYLAND DESCRIBES A MECHANISM TO BYHANCE THE ANTICANCER EFFICACY OF INHIBITORS OF POLY (ADP-RIBOSE) POLY MERASE (PARP), WHI CH ARE EFFECTIVE A GENTS A GAINST SOME BREAST CANCERS (MUVARAK ET AL., CANCER CELL 30(4) 637-650) AT THE END OF 2016, FOUR VARI -3640, 637-650) AT THE END OF 2016, FOUR VARI -3640, 637-650) AT THE END OF 2016, FOUR VARI -3640, 637-650) AT THE END |

| Return Reference | Explanation |
|-----------------------------------|--|
| FORM 990, PART III, LINE 4B | SEVERAL PUBLICATIONS PRODUCED IN 2016 WAS A COMPREHENSIVE MOLECULAR CHARACTERIZATION OF 16 1 PRIMARY PAPILLARY RENAL-CELL CARCINOMAS TYPE 1 AND TYPE 2 PAPILLARY RENAL-CELL CARCINOM AS ARE CLINICALLY AND BIOLOGICALLY DISTINCT, AND TYPE 2 CONSISTS OF AT LEAST THREE SUBTYPE S THIS KNOWLEDGE MAY AID IN SELECTING APPROPRIATE TREATMENTS FOR INDIVIDUAL PATIENTS BASE D ON DISEASE SUBTYPE (CANCER GENOME ATLAS RESEARCH NETWORK, NEW ENGLAND JOURNAL OF MEDICIN E 374(2) 135-145) OTHER RESEARCH DEFINED THE COMPLETE SET OF GENES ASSOCIATED WITH DIFFU SE GRADE INITING CLOMAS (1122 SAMPLES) FROM THE CANCER GENOME ATLAS THE MOLECULAR PROFILES DEFINED WILL BE USED TO IMPROVE DISEASE CLASSIFICATION, IDENTIFY MOLECULAR CORRELATIO NS, AND PROVIDE INSIGHTS INTO THE PROGRESSION FROM LOW. TO HIGH-GRADE DISEASE (CECCARELLIET AL, CELL 164(3) 550-563) THE ROTHBART LABORATORY REPORTED THE FIRST DEMONSTRATION OF A DNA-PROTEIN INTERACTION AND AN PERGENETIC MODIFICATION DIRECTLY REGULATING THE ENZYME A CTIVITY OF E3 UBIQUITIN LIGASE THE LIGASE, CALLED UHRF1, RECOGNIZES DNA THAT IS METHYLATE D ON ONLY ONE STRAND, AND THE INTERACTION OF SUCH DNA AND THIS ENZYME IS REQUIRED FOR FURT HER METHYLATION OF THE DNA (HARRISON ET AL, E.LEFE 5 17101) THE LAB ALSO UNDERTOCOK A SYS TEMATIC COMPARISON OF MONOCLONAL VS POLYCLONAL ANTIBODIES FOR USE IN MAPPING HISTONE PROT EIN MODIFICATIONS THE CONSISTENT PERFORMANCE OF ANTIBODIES IS CRUCAL IN MAPPING EPIGENETIC MARKERS BY THE CHIP-SEQ METHOD THE STUDY FOUND THAT MONOCLONAL ANTIBODIES AS A CLASS PERFORM JUST AS WELL AS THE POLYCLONAL IN BOTH MOUSE AND HUMAN CELLS (BUSBY ET AL, EPIGENETICS AND CHROMATIN 949) THE FEFEFER AND SZABO LABS DEMONSTRATED THAT THE PROTEIN TETSIL MAY ACT AS A GUARDIAN AGAINST NEURODEGENERATION BY STOPPING DISRUPTIONS IN CELLULAR "HOUSE KEEPING" FUNCTIONS, THERESE PINDINGS OPEN A NEW AVENUE TO EXPLORE NOVEL WAYS TO PREVENT AND TREAT DISEASES SUCH AS PARKINSON'S (JIN ET AL, CELL REPORTS 14(3) 493-505) THE FFEIFER AND SHEDN LABS REPORTED A STUDY IN 2016 OF A TUMOR SUPPRESSOR GENE CALLED R |

| Return Reference | Explanation |
|-----------------------------------|---|
| FORM 990, PART III, LINE 4B | MUNE CELLS AND THEIR INTERACTIONS WITH CANCER CELLS THIS WORK ESTABLISHED IMMUNE-INFILTRA TE LEVELS, CLINICAL ASSOCIATIONS, AND PREDICTED THERAPEUTIC MARKERS, WHICH TOGETHER MAY AID IN THE PURSUIT OF EFFECTIVE CANCER VACCINES AND CHECKPOINT BLOCKADE THERAPIES (LI ET AL, GENOME BIOLOGY 17 174) |

| Return Reference | Explanation |
|-----------------------------------|---|
| FORM 990, PART III, LINE 4C | LINE 4C - PROGRAM SERVICE ACTIVITY #3 CENTER FOR NEURODEGENERATIVE SCIENCE THE CENTER WAS ESTABLISHED IN 2011 UNDER PATRIK BRUNDIN, M.D., PH.D., WHO IS ALSO VARIS ASSOCATE DIRECT OR THE CENTER HAS SEVEN LABORATORIES STUDY ING PARKINSON'S DISEASE, AGING, PRIONS, ALZHEIM ER'S DISEASE, AND THE RELATIONSHIP BETWEEN DEPRESSION, SUICIDE, AND BRAIN INFLAMMATION. JE FRREY KORDOWER, PH.D., A PROFESSOR AT RUSH UNIVERSITY, HOLDS A 25% APPOINTMENT IN THE CENT ER VIVIANE LABRIE, PH.D., JOINED THE CENTER IN 2016 AS AN ASSISTANT PROFESSOR. CENTER RES EARCHERS IN 2016 RECEIVED R01 AND R21 AWARDS FROM NHA AS WELL AS AWARDS FROM THE BRAIN AND BEHA VIOR RESEARCH FOUNDATION, THE EAST TENNESSEE FOUNDATION, FIVE GRANTS FROM THE MICHAEL J. FOX FOUNDATION, ONE GRANT FROM PINE REST CHRISTIAN MENTAL HEALTH SERVICES, AND AN INDUSTRY CONTRACT AWARD FROM HOFFMAN-LA ROCHE PRIONS, WHICH CAUSE NEURODEGENERATIVE DISEASES, ARE THE MAIN FOCUS OF RESEARCH HOFFMAN-LA ROCHE PRIONS, WHICH CAUSE NEURODEGENERATIVE DISEASES, ARE THE MAIN FOCUS OF RESEARCH IN THE LABORATORY OF JIYAN MA, Ph.D. ONE STUDY EXPLORED THE ROLE OF A STRING OF FOUR THREONINES IN THE CONVERSION OF NORMAL PRION PROTEIN INTO THE DISEASE-CAUSING FORM THE RESULTS SUGGESTED A THEORY FOR THE CONTRADICTORY RESEARCH RESULTS THAT HAVE BEEN PREVIOUSLY PUBLISHED THEY ALSO GAVE NEW INSIGHTS INTO THE RELATIONSHIPS B ETWEEN PRION STABILITY, STRUCTURE AND SEEDED CONFORMATIONAL CHANGES, WHICH WILL AID IN UN DERSTANDING PRION INFECTIVITY (ABSKHARON ET AL., SCIENTIFIC REPORTS 6 38877) ANOTHER STUDY FOUND THAT PRION PROTEIN INFORMATION IN GASTRIC CANCER WAS SIGNIFICANTLY LESS FREQUENT THAN IN NONCANCEROUS GASTRIC TISSUE AND WAS ASSOCIATED WITH TIMM STAGE, SURVIVAL STATUS, AND SURVIVAL TIME PATIENTS AT HIGHER TIMM STAGES HAD SIGNIFICANTLY LOWER EXPRESSION OF PROTEIN IN THEIR TUMORS (TANG ET AL., JOURNAL OF CANCER 7(8) 984-990) IN A SEPARATE PROJE CT ON PARKINSON'S DISEASE, THE LAB FOUND THAT HYDROXYTYROSOL (HT), A MAJOR COMPONENT OF OLIVE OIL. PROTECTIVE DEPORTS 6 38877) AND THE PATIENTS AT HIGHER |

| Return Reference | Explanation |
|-----------------------------------|---|
| FORM 990, PART III, LINE 4C | Y ASSESSED GENETIC RISK FOR PARKINSON'S DISEASE IN 77 CELL TYPES THE FINDINGS SHOWED RISK LOCI UNEXPECTEDLY PRESENT IN NON-NEURONAL CELL TYPES INCLUDING LYMPHOCYTES, MESENDODERM, LIVER CELLS, AND FAT CELLS, INDICATING THAT CELL TYPES OUTSIDE THE BRAIN ARE INVOLVED IN THE GENETIC PREDISPOSITION TO PARKINSON'S DISEASE (COETZEE ET AL., SCIENTIFIC REPORTS 6: 30:509) ANOTHER STUDY INVOLVING THE LABORATORY OF PATRIK BRUNDIN IDENTIFIED GENETIC LOCI THA T LINKED SUSCEPTIBILITY TO PARKINSON'S-LIKE NEURODEGENERATIVE CHANGES TO THE LOSS OF ONE A LLELE OF THE EN1 GENE THESE LOCI SHOULD BE OF PRIME INTEREST FOR STUDIES OF PARKINSON'S-LIKE DAMAGE IN RODENT MODELS AND IN CLINICAL ASSOCIATION STUDIES OF PARKINSON'S DISEASE (KU ROWSKA ET AL., SCIENTIFIC REPORTS 6: 31701) A STUDY FOUND THAT ALPHA-SYNUCLEIN FIBRILS IN JECTED INTO THE OLFACTORY BULB OF MICE RECRUITED BNDOGENOUS ALPHA-SYNUCLEIN INTO A GGREGATE S THAT SUBSEQUENTLY SPREAD THROUGH THE OLFACTORY NETWORK AND THEN DO DISTANT BRAIN REGIONS THE SPREADING PATHOLOGY CAUSED PROGRESSIVE, SPECIFIC OLFACTORY DEFICITS, SHOWING THAT THE SPREAD IS DETRIMENTAL, AND INDICATING THIS THIS IS A USEFUL MOUSE MODEL. OF PARKINSON'S DISEASE (REY ET AL., JOURNAL OF EXPERIMENTAL, AND INDICATING THIS THIS IS A USEFUL MOUSE MODEL. OF PARKINSON'S DISEASE (REY ET AL., JOURNAL OF EXPERIMENTAL, AND INDICATING THIS THIS IS A USEFUL MOUSE MODEL. OF PARKINSON'S DISEASE THE RESULTING CHANGES IN METABOLIC SIGNALING WERE NEUROPROTECTIVE AND ANTI-INFLAMMATORY IN SEVERAL MODELS, SUGGESTING THAT THE MPC MAY BE A USEFUL THERAPPLITE TARGET (GHOSH ET AL., SCIENCE TRANSLATIONAL MEDICINE 368 368RA174) A STUDY BY THE MOORE LABORATORY ON THE DROSOPHILA BRAIN PROVIDED A SYSTEMATIC ANALYSES OF THE EFFECTS OF HUMAN LRRK2 PROTEIN EXPRESSED IN DROSOPHILA NEUROPROTECTIVE AND ANTI-INFLAMMATORY IN SEVERAL MODELS, SUGGESTING THAT THE RIPACT BY BY THE MOORE LABORATORY ON THE DROSOPHILA NEUROPROTECTIVE AND ANTI-INFLAMMATION OF SYNAPTIC VESICLE PROTEINS IN THE BRAIN (SLAM ET AL., HUMAN MOLECULAR GENETICS 25(24) 5365-5382) IN |

| Return Reference | Explanation |
|-----------------------------------|---|
| FORM 990, PART III, LINE 4C | THAT ACMS DECARBOXYLASE IS A POTENTIAL THERAPEUTIC TARGET, ARE BEING EXPLORED (BRUNDIN ET AL , TRANSLATIONAL PSY CHIATRY 6 E865) IN ANOTHER STUDY, THE DATA DID NOT SUPPORT THE HY POTHESIS THAT HIGHER AMOUNTS OF KY NURENINE METABOLITES WOULD BE FOUND IN THE PLASMA OF PAT IENTS HAVING INTERMITTENT EXPLOSIVE DISORDER AND WOULD BE ASSOCIATED WITH PLASMA INFLAMMAT ION HOWEVER, THE RESULT POINTS TO A DYSREGULATION OF THE KY NURENINE PATHWAY METABOLITES, AND FURTHER WORK IS NEEDED TO EXPLORE THEIR ROLE IN INFLAMMATION AND AGGRESSION IN THESE PATIENTS (COCCARO ET AL , PSY CHONEUROENDOCRINOLOGY 71 189-196) A THIRD STUDY FOUND THAT C HRONIC TOXOPLASMA GONDII INFECTION AND ELEVATED KY NURENINE ARE INDIVIDUALLY ASSOCIATED WITH NON-FATAL SUICIDAL SELF-DIRECTED VIOLENCE (NF-SSDV) T GONDII AND KY NURENINE MAY HAVE A NONLINEAR, CUMULATIVE EFFECT ON THE RISK OF NF-SSDV AMONG THOSE WITH SCHIZOPHRENIA CONFI RMATION OF THESE RESULTS WOULD HAVE IMPLICATIONS FOR PREVENTING AND TREATING SUICIDAL BEHA VIOR (OKUSAGA ET AL , JOURNAL OF PSY CHIATRIC RESEARCH 72(1) 74-81) OTHER RESEARCH FROM THE THE L BRUNDIN LABORATORY MEASURED THE CEREBROSPINAL FLUID LEVELS OF HYALURONIC ACID AN D THE CD44 MOLECULE IN SUICIDE ATTEMPTERS AND IN HEALTHY CONTROLS SUICIDE ATTEMPTERS HAD HIGHER LEVELS OF HYALURONIC ACID, AND CD44 LEVELS CORRELATED WITH THE MMP9 ENZYME THE INC REASE IN HYALURONIC ACID MIGHT RESULT FROM NEUROINFLAMMATION AND PLAY A ROLE IN THE PATHOL OGY OF SUICIDAL BEHAVIOR, AND THE CD44 SIGNALING PATHWAY MIGHT BE A NOVEL TARGET FOR INTER VENTION IN MOOD DISORDERS (VENTORP ET AL , JOURNAL OF AFFECTIVE DISORDERS 193 349-354) |

| Return Reference | Explanation |
|-----------------------------------|---|
| FORM 990, PART IX, COLUMN D | FUNDRAISING EXPENSES AT VARI WERE INCURRED TO SUPPORT THE MISSION OF THE RESEARCH INSTITUTE THROUGH DONOR SOLICITATION, GRANT SOLICITATION AND EXTRAMURAL PROPOSAL PREPARATION |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------|---|
| FORM 990, | VARINET ASSETS ARE CONSIDERED ON A CONSOLIDATED BASIS WITH VAN ANDEL INSTITUTE (VAI), VAN ANDEL |
| PART X, LINE | EDUCATION INSTITUTE (VAEI), AND RELATED PARTIES ON A CONSOLIDATED BASIS, NET ASSETS ARE \$1,417,500,000 |
| 33 | PER AUDITED FINANCIAL STATEMENTS THE NEGATIVE NET ASSET BALANCE AT VARI IS DUE TO VAI FUNDING EXPENSES |
| | ON A CASH BASIS AND THE UNREALIZED LOSS RECORDED IN ASSOCIATION WITH THE INTEREST RATE SWAP |

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SCHEDULE R (Form 990)

Related Organizations and Unrelated Partnerships

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

2015

Open to Public

Department of the Treasury Internal Revenue Service Name of the organization

VAN ANDEL RESEARCH INSTITUTE

► Attach to Form 990.

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

▶ Information about Schedule R (Form 990) and its instructions is at www.irs.qov/form990.

Inspection **Employer identification number**

52-2000823

| (a) Name, address, and EIN (if applicable) of disregarded entity | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Total income | (e) End-of-year assets | (f) Direct controlling entity | | |
|--|--|---|---------------------------|---|--|--------------------|----|
| (1) VAI INNOVATIONS LLC 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000823 | LICENSING INTELLECTUAL PROPERTY OF VARI | MI | 0 | 0 | VAN ANDEL RESEARCH INSTITUT | Ē | |
| (2) BOSTWICK EVENT MANAGEMENT 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000823 | EVENT MANAGEMENT | MI | 29,524 | 118,903 | VAN ANDEL RESEARCH INSTITUT | Ē | |
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| | | | | | 77. | | |
| Part II Identification of Related Tax-Exempt Organizations or more related tax-exempt organizations during the | | e organization ans | werea "Yes" on | Form 990, Part | : IV, line 34 because it r | iad one | 2 |
| (a) Name, address, and EIN of related organization | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Exempt Code sectio | (e) Public charity sta (if section 501(c) | | Section (13) co | |
| | | | | | | V | No |
| (1)VAN ANDEL INSTITUTE 333 BOSTWICK AVENUE NE | SUPPORTING ORGANIZATION | | | | | Yes | - |
| 333 BOST WICK AVENUE INE | FOR VARI AND VAEI | MI | 501(C)(3) | 11C | N/A | Yes | No |
| GRAND RAPIDS, MI 495032518 | FOR VARI AND VAEI | MI | 501(C)(3) | 11C | N/A | Yes | - |
| | FOR VARI AND VAEI OPERATING A SCIENCE EDUCATION PROGRAM | MI | 501(C)(3) 501(C)(3) | 11C | N/A VAN ANDEL INSTITUTE | Yes | - |
| GRAND RAPIDS, MI 495032518 52-2000820 (2)VAN ANDEL EDUCATION INSTITUTE 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000824 | OPERATING A SCIENCE EDUCATION PROGRAM | MI | 501(C)(3) | 2 | VAN ANDEL INSTITUTE | Yes | - |
| GRAND RAPIDS, MI 495032518 52-2000820 (2)VAN ANDEL EDUCATION INSTITUTE 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 | OPERATING A SCIENCE | | | | | | - |
| GRAND RAPIDS, MI 495032518 52-2000820 (2)VAN ANDEL EDUCATION INSTITUTE 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000824 (3)VAN ANDEL INSTITUTE GRADUATE SCHOOL | OPERATING A SCIENCE EDUCATION PROGRAM OPERATING A GRADUATE | MI | 501(C)(3) | 2 | VAN ANDEL INSTITUTE VAN ANDEL EDUCATION | Yes | - |
| GRAND RAPIDS, MI 495032518 52-2000820 (2)VAN ANDEL EDUCATION INSTITUTE 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000824 (3)VAN ANDEL INSTITUTE GRADUATE SCHOOL 333 BOSTWICK AVENUE NE GRAND RAPIDS, ME 495032518 | OPERATING A SCIENCE EDUCATION PROGRAM OPERATING A GRADUATE | MI | 501(C)(3) | 2 | VAN ANDEL INSTITUTE VAN ANDEL EDUCATION | Yes | - |
| GRAND RAPIDS, MI 495032518 52-2000820 (2)VAN ANDEL EDUCATION INSTITUTE 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000824 (3)VAN ANDEL INSTITUTE GRADUATE SCHOOL 333 BOSTWICK AVENUE NE GRAND RAPIDS, ME 495032518 | OPERATING A SCIENCE EDUCATION PROGRAM OPERATING A GRADUATE | MI | 501(C)(3) | 2 | VAN ANDEL INSTITUTE VAN ANDEL EDUCATION | Yes | - |

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

| (a) Name, address, and EIN of related organization | (b) Primary activity | entity | (e) Predominant income(related, unrelated, excluded from tax under sections 512- 514) | (f) Share of total income | (g) Share of end-of-year assets | (h Disprop alloca | rtionate tions? ai | (i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065) | mana parti | ral or aging | (k) Percentage ownership |
|---|--------------------------------|--------|---|---------------------------------|--|-------------------------|-----------------------|---|---------------|-----------------|---------------------------------------|
| | | |] 3117 | | | Yes | No | 1 | Yes | No | |
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| Part TV Identification of Polated Organizations Tayable a | <u> </u> | | <u> </u> | | | | | | | | |

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

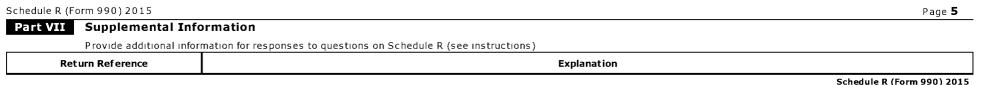
| (a) Name, address, and EIN of related organization | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Direct controlling entity | (e) Type of entity (C corp, S corp, or trust) | (f) Share of total Income | (g) Share of end- of-year assets | (h) Percentage ownership | (i) Section 512 (b)(13) controlled entity? | |
|--|--------------------------------|---|-------------------------------------|---|---------------------------------|---|---------------------------------------|--|----|
| | | | | | | | | Yes | No |
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| Part V Transactions With Related Organizations Complete if the organization | | . , | • | | Yes | No |
|--|---|------------------------|---|------------|-----|-----------|
| Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule | | | | | 163 | INC |
| L During the tax year, did the orgranization engage in any of the following transactions with one or r | <u>-</u> | | | | | L. |
| a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity | | | | 1a | | No |
| b Gift, grant, or capital contribution to related organization(s) | | | | 1b | | No |
| c Gift, grant, or capital contribution from related organization(s) | | | | 1 c | Yes | L. |
| d Loans or loan guarantees to or for related organization(s) | | | | 1d | | No |
| e Loans or loan guarantees by related organization(s) | | | | 1e | Yes | |
| f Dividends from related organization(s) | | | | 1f | | No |
| g Sale of assets to related organization(s) | | | | 1 g | | No |
| h Purchase of assets from related organization(s) | | | • • | 1h | | N |
| i Exchange of assets with related organization(s) | | | | 1i | | N |
| j Lease of facilities, equipment, or other assets to related organization(s) | | | | 1j | | N |
| k Lease of facilities, equipment, or other assets from related organization(s) | | | | 1k | | N |
| Performance of services or membership or fundraising solicitations for related organization(s) | | | | 11 | | N |
| m Performance of services or membership or fundraising solicitations by related organization(s) | | | | 1m | | N |
| f n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s) | | | | 1n | Yes | |
| o Sharing of paid employees with related organization(s) | | | | 10 | Yes | |
| Reimbursement paid to related organization(s) for expenses | | | | 1 p | Yes | |
| Reimbursement paid by related organization(s) for expenses | | | | 1 q | Yes | |
| r Other transfer of cash or property to related organization(s) | | | | 1r | | N |
| s Other transfer of cash or property from related organization(s) | | | | 1 s | | No |
| If the answer to any of the above is "Yes," see the instructions for information on who must co | mplete this line, including c | overed relationships | and transaction thresholds | 5 | | |
| (a) Name of related organization | (b) Transaction type (a-s) | (c) Amount involved | (d) Method of determining amount inv | | | i |
| Additional Data Table | | | | | | |
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Part VI Unrelated Organizations Taxable as a Partnership Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

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

| revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships | | | | | | | | | | | | | | |
|--|---------------------------------|---|--|---|----|------------------------------------|------------------|----------------------------------|----|---|----------------------------------|-----|--------------------------------|--|
| (a) Name, address, and EIN of entity | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Predominant income (related, unrelated, excluded from tax under sections 512- 514) | (e) Are all partners section 501(c)(3) organizations? | | (f) Share of total Income | otal end-of-year | (h) Disproprtionate allocations? | | (1) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065) | managing partner [?] | | (k) Percentage ownership | |
| | | | 314) | Yes | No | | | Yes | No | | Yes | No | | |
| | | | | | | | | | | | | 1 I | | |
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Software ID: Software Version:

EIN: 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

Form 990, Schedule R, Part V - Transactions With Related Organizations (b) (a) (c) (d) Name of related organization Transaction A mount Involved Method of determining amount type(a-s) involved (1) **VAN ANDEL INSTITUTE** С 33,586,093 ACTUAL AMOUNT PAID (1) **VAN ANDEL INSTITUTE** Е TOTAL RECORDED 44,560,000 (2) VAN ANDEL INSTITUTE Ν 295,693 ALLOCATION BASED ON SQ FOOTAGE (3) **VAN ANDEL INSTITUTE** Ρ 405,018 **ACTUAL AMOUNT PAID** (4) VAN ANDEL INSTITUTE Ν 131,353 ALLOCATION BASED ON EFFORT (5) **VAN ANDEL INSTITUTE** 0 1,132,566 ALLOCATION BASED ON EFFORT Ρ (6) VAN ANDEL EDUCATION INSTITUTE 106,010 ACTUAL AMOUNT PAID (7) VAN ANDEL EDUCATION INSTITUTE Q 491,705 ACTUAL AMOUNT RECEIVED (8) VAN ANDEL EDUCATION INSTITUTE Ν 33,145 ALLOCATION BASED ON EFFORT VAN ANDEL EDUCATION INSTITUTE 0 (9) 285,788 ALLOCATION BASED ON EFFORT (10) VAN ANDEL INSTITUTE GRADUATE SCHOOL 0 77,272 APPORTIONED FY15 COMPENSATION Ν (11) VAN ANDEL INSTITUTE GRADUATE SCHOOL 15,959 ALLOCATION BASED ON EFFORT (12) VAN ANDEL INSTITUTE GRADUATE SCHOOL Ν 166,327 ALLOCATION BASED ON SQ FOOTAGE (13) Q 200,838 **ACTUAL AMOUNT RECEIVED** VAN ANDEL INSTITUTE GRADUATE SCHOOL (14)VAN ANDEL INSTITUTE GRADUATE SCHOOL 0 137,601 ALLOCATION BASED ON EFFORT (15)**VAN ANDEL INSTITUTE** Q 3,441,326 ACTUAL AMOUNT PAID