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Form 990



Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except black lung benefit trust or private foundation)

The organization may have to use a copy of this return to satisfy state reporting requirements

OMB No 1545-0047

2012

Open to Public Inspection

A For the 2012 calendar year, or tax year beginning 12-01-2012, 2012, and ending 11-30-2013

☐ Check if applicable

☐ Address change

☐ Name change

☐ Initial return

☐ Terminated

☐ Amended return

☐ Application pending

C Name of organization
VAN ANDEL RESEARCH INSTITUTE

Doing Business As

Number and street (or P O box if mail is not delivered to street address)Room/suite

333 BOSTWICK AVENUE NE

City or town, state or country, and ZIP + 4
GRAND RAPIDS, MI 49503

F Name and address of principal officer
TIMOTHY J MYERS
333 BOSTWICK AVENUE NE
GRAND RAPIDS, MI 49503

H(a) Is this a group return for affiliates?

☐ Yes☒ No

H(b) Are all affiliates included?

☐ Yes☐ No

If "No," attach a list (see instructions)

H(c) Group exemption number

I Tax-exempt status

☒ 501(c)(3)☐ 501(c) () (Insert no)☐ 4947(a)(1) or☐ 527

J Website: WWW VAI ORG

K Form of organization

☐ Corporation☒ Trust☐ Association☐ Other

L Year of formation 1996

M State of legal domicile MI

Part I Summary

| | | | | |
|-----------------------------|-----|--|---------------------------|--------------|
| Activities & Governance | 1 | Briefly describe the organization's mission or most significant activities MEDICAL RESEARCH ORGANIZATION | | |
| | 2 | Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets | | |
| | 3 | Number of voting members of the governing body (Part VI, line 1a) | 3 | 5 |
| | 4 | Number of independent voting members of the governing body (Part VI, line 1b) | 4 | 3 |
| | 5 | Total number of individuals employed in calendar year 2012 (Part V, line 2a) | 5 | 393 |
| Revenue | 6 | Total number of volunteers (estimate if necessary) | 6 | 0 |
| | 7a | Total unrelated business revenue from Part VIII, column (C), line 12 | 7a | 267,491 |
| | b | Net unrelated business taxable income from Form 990-T, line 34 | 7b | 41,120 |
| | 8 | Contributions and grants (Part VIII, line 1h) | Prior Year | Current Year |
| | 9 | Program service revenue (Part VIII, line 2g) | 57,997,024 | 54,068,694 |
| Expenses | 10 | Investment income (Part VIII, column (A), lines 3, 4, and 7d) | 1,242,591 | 693,011 |
| | 11 | Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e) | 333,140 | 64,454 |
| | 12 | Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12) | 10,471,022 | 7,773,170 |
| | 13 | Grants and similar amounts paid (Part IX, column (A), lines 1–3) | 70,043,777 | 62,599,329 |
| | 14 | Benefits paid to or for members (Part IX, column (A), line 4) | 341,390 | 302,224 |
| Net Assets or Fund Balances | 15 | Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10) | 0 | 0 |
| | 16a | Professional fundraising fees (Part IX, column (A), line 11e) | 27,658,068 | 28,311,621 |
| | b | Total fundraising expenses (Part IX, column (D), line 25) 598,878 | 0 | 0 |
| | 17 | Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e) | 40,558,351 | 39,419,946 |
| | 18 | Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25) | 68,557,809 | 68,033,791 |
| | 19 | Revenue less expenses Subtract line 18 from line 12 | 1,485,968 | -5,434,462 |
| | 20 | Total assets (Part X, line 16) | Beginning of Current Year | End of Year |
| | 21 | Total liabilities (Part X, line 26) | 267,685,668 | 224,789,773 |
| | 22 | Net assets or fund balances Subtract line 21 from line 20 | 361,102,589 | 290,456,167 |
| | | | -93,416,921 | -65,666,394 |

Part II Signature Block

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

Sign Here

Signature of officer

2014-10-14

Date

TIMOTHY J MYERS CFO

Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name
LORI BOYCE

Preparer's signature

Date

Check ☐ if self-employed

PTIN
P00121981

Firm's name DELOITTE TAX LLP

Firm's EIN 86-1065772

Firm's address 200 RENAISSANCE CENTER STE 3900
DETROIT, MI 48243

Phone no (313) 396-3000

May the IRS discuss this return with the preparer shown above? (see instructions) ☒ Yes ☐ No

For Paperwork Reduction Act Notice, see the separate instructions.

Cat No 11282Y

Form 990 (2012)

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response to any question in this Part III

1 Briefly describe the organization's mission
MEDICAL RESEARCH ORGANIZATION

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? Yes No
If "Yes," describe these new services on Schedule O

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? Yes No
If "Yes," describe these changes on Schedule O

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

4a (Code) (Expenses \$ 3,254,352 including grants of \$) (Revenue \$ 58,261)
THE PROGRAM FOR BIOSPECIMEN SCIENCE HAS FOCUSED ON THE CHANGE IN BIOLOGICAL PARAMETERS AND QUALITY OF BIOSPECIMENS CAUSED BY COLLECTION, PROCESSING, AND STORAGE PROCEDURES THIS RESEARCH IDENTIFIES EFFECTS ON THE CELL BIOLOGY THAT MAY BE UNRELATED TO THE DISEASE AND MORE SO CAUSED BY THE MANAGEMENT OF THE BIOSPECIMEN THE RESULTS CAN BE USED TO DEVELOP BEST PRACTICES IN THE MANAGEMENT OF BIOSPECIMENS AND ULTIMATELY IMPROVE THE QUALITY OF RESEARCH FINDINGS SCHEDULE O PROVIDES FURTHER INFORMATION REGARDING THIS PROGRAM'S ACCOMPLISHMENTS

4b (Code) (Expenses \$ 1,775,202 including grants of \$) (Revenue \$)
THE LABORATORY OF STRUCTURAL SCIENCES IS FOCUSED ON STUDYING THE STRUCTURES AND FUNCTIONS OF PROTEIN/ LIGAND COMPLEXES THAT PLAY KEY ROLES IN MAJOR HORMONE SIGNALING PATHWAYS SEE SCHEDULE O FOR FURTHER INFORMATION ABOUT THIS PROGRAM






















4c (Code) (Expenses \$ 1,602,052 including grants of \$) (Revenue \$ 55,581)
MET IS OVEREXPRESSED IN MANY TYPES OF HUMAN CANCER AND ITS EXPRESSION CORRELATES WITH AN AGGRESSIVE DISEASE AND POOR PROGNOSIS SINCE DISCOVERING THE C-MET RECEPTOR TYROSINE KINASE AND ITS LIGAND HEPATOCYTE GROWTH FACTOR (HGF/SF) IN THE 1980'S, THE LAB HAS FOCUSED ON INVESTIGATING THE ROLE THESE MOLECULES PLAY IN MALIGNANT PROGRESSION AND METASTASIS AS PART OF THE EFFORT TO ENHANCE OUR UNDERSTATING OF THIS SIGNALING SYSTEM, OUR LAB FOCUSES ON THE MECHANISMS RESPONSIBLE FOR TUMOR PROGRESSION WITH THE HYPOTHESIS THAT PHENOTYPIC SWITCHING (E-MT/M-ET) AND CHROMOSOME INSTABILITY CAN DRIVE TUMOR PROGRESSION WE ALSO DEVELOP AND CHARACTERIZE NOVEL ANIMAL RESEARCH MODELS USED IN PRE-CLINICAL EVALUATION OF NEW INHIBITORS THAT TARGET C-MET IN HUMAN CANCERS SEE SCHEDULE O FOR FURTHER INFORMATION ABOUT THIS PROGRAM

(Code) (Expenses \$ 37,107,196 including grants of \$ 302,224) (Revenue \$ 579,169)

4d Other program services (Describe in Schedule O)
(Expenses \$ 37,107,196 including grants of \$ 302,224) (Revenue \$ 579,169)

4e Total program service expenses 43,738,802

Part IV Checklist of Required Schedules

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

Part IV

Checklist of Required Schedules (continued)

| | | | | |
|-----|--|-----|-----|----|
| 21 | Did the organization report more than \$5,000 of grants and other assistance to any government or organization in the United States on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i> | 21 | | No |
| 22 | Did the organization report more than \$5,000 of grants and other assistance to individuals in the United States on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i> | 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? <i>If "Yes," complete Schedule J</i> | 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? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25</i> | 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) and 501(c)(4) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</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? <i>If "Yes," complete Schedule L, Part I</i> | 25b | | No |
| 26 | Was a loan to or by a current or former officer, director, trustee, key employee, highest compensated employee, or disqualified person outstanding as of the end of the organization's tax year? <i>If "Yes," complete Schedule L, Part II</i> | 26 | Yes | |
| 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? <i>If "Yes," complete Schedule L, Part III</i> | 27 | | No |
| 28 | Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions) | | | |
| a | A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i> | 28a | | No |
| b | A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i> | 28b | | No |
| c | An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i> | 28c | Yes | |
| 29 | Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i> | 29 | | No |
| 30 | Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i> | 30 | | No |
| 31 | Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i> | 31 | | No |
| 32 | Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i> | 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? <i>If "Yes," complete Schedule R, Part I</i> | 33 | Yes | |
| 34 | Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i> | 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)? <i>If "Yes," complete Schedule R, Part V, line 2</i> | 35b | Yes | |
| 36 | Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i> | 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? <i>If "Yes," complete Schedule R, Part VI</i> | 37 | | No |
| 38 | Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O | 38 | Yes | |

Part V

Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response to any question in this Part V

| | | Yes | No |
|-----|--|-----|----|
| 1a | Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable. | 107 | |
| 1b | Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable. | 0 | |
| 1c | Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners? | | |
| 2a | Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return. | 393 | |
| 2b | If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions). | Yes | |
| 3a | Did the organization have unrelated business gross income of \$1,000 or more during the year? | Yes | |
| 3b | If "Yes," has it filed a Form 990-T for this year? If "No," provide an explanation in Schedule O. | Yes | |
| 4a | At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)? | | No |
| b | If "Yes," enter the name of the foreign country: _____ See instructions for filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts. | | |
| 5a | Was the organization a party to a prohibited tax shelter transaction at any time during the tax year? | | No |
| 5b | Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction? | | No |
| 5c | If "Yes," to line 5a or 5b, did the organization file Form 8886-T? | | |
| 6a | Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions? | | No |
| 6b | If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible? | | |
| 7 | Organizations that may receive deductible contributions under section 170(c). | | |
| 7a | Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor? | | No |
| 7b | If "Yes," did the organization notify the donor of the value of the goods or services provided? | | |
| 7c | Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282? | | No |
| 7d | If "Yes," indicate the number of Forms 8282 filed during the year. | | |
| 7e | Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? | | No |
| 7f | Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? | | No |
| 7g | If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required? | | |
| 7h | If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C? | | |
| 8 | Sponsoring organizations maintaining donor advised funds and section 509(a)(3) supporting organizations. Did the supporting organization, or a donor advised fund maintained by a sponsoring organization, have excess business holdings at any time during the year? | | |
| 9 | Sponsoring organizations maintaining donor advised funds. | | |
| 9a | Did the organization make any taxable distributions under section 4966? | | |
| 9b | Did the organization make a distribution to a donor, donor advisor, or related person? | | |
| 10 | Section 501(c)(7) organizations. Enter | | |
| 10a | Initiation fees and capital contributions included on Part VIII, line 12. | | |
| 10b | Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities. | | |
| 11 | Section 501(c)(12) organizations. Enter | | |
| 11a | Gross income from members or shareholders. | | |
| 11b | Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them). | | |
| 12a | Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041? | | |
| 12b | If "Yes," enter the amount of tax-exempt interest received or accrued during the year. | | |
| 13 | Section 501(c)(29) qualified nonprofit health insurance issuers. | | |
| 13a | Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O. | | |
| 13b | Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans. | | |
| 13c | Enter the amount of reserves on hand. | | |
| 14a | Did the organization receive any payments for indoor tanning services during the tax year? | | No |
| 14b | If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O. | | |

Part VI

Governance, Management, and Disclosure

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

Check if Schedule O contains a response to any question in this Part VI

Section A. Governing Body and Management

| | | | |
|--|---|-----|-----|
| | | Yes | No |
| 1a | Enter the number of voting members of the governing body at the end of the tax year | 5 | |
| 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 | | | |
| 1b | Enter the number of voting members included in line 1a, above, who are independent | 3 | |
| 2 | Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee? | 2 | Yes |
| 3 | Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person? | 3 | Yes |
| 4 | Did the organization make any significant changes to its governing documents since the prior Form 990 was filed? | 4 | No |
| 5 | Did the organization become aware during the year of a significant diversion of the organization's assets? | 5 | No |
| 6 | Did the organization have members or stockholders? | 6 | No |
| 7a | Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body? | 7a | Yes |
| 7b | 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 | | |
| 8a | The governing body? | 8a | Yes |
| 8b | Each committee with authority to act on behalf of the governing body? | 8b | Yes |
| 9 | Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O | 9 | No |

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

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

Section C. Disclosure

| | | |
|----|--|--|
| 17 | List the States with which a copy of this Form 990 is required to be filed | MI |
| 18 | Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply. <input type="checkbox"/> Own website <input type="checkbox"/> Another's website <input checked="" type="checkbox"/> Upon request <input type="checkbox"/> Other (explain in Schedule O) | |
| 19 | Describe in Schedule O whether (and if so, how), the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year | |
| 20 | State the name, physical address, and telephone number of the person who possesses the books and records of the organization | TIMOTHY J MYERS CFO 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI (616) 234-5368 |

Part VII

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

Check if Schedule O contains a response to any question in this Part VII

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

- 1a Complete this table for all persons required to be listed Report compensation for the calendar year ending with or within the organization's tax year
- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation Enter -0- in columns (D), (E), and (F) if no compensation was paid

List all of the organization's **current** key employees, if any See instructions for definition of "key employee "

List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations

List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations

List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations

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

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

| (A) Name and Title | (B) Average hours per week (list any hours for related organizations below dotted line) | (C) Position (do not check more than one box, unless person is both an officer and a director/trustee) | | | | | | (D) Reportable compensation from the organization (W- 2/1099-MISC) | (E) Reportable compensation from related organizations (W- 2/1099-MISC) | (F) Estimated amount of other compensation from the organization and related organizations |
|---|--|---|-----------------------|---------|--------------|------------------------------|--------|---|--|---|
| | | Individual trustee or director | Institutional Trustee | Officer | Key employee | Highest compensated employee | Former | | | |
| (1) DAVID VAN ANDEL CHAIRMAN / CEO | 36 00 17 00 | X | | X | | | | 405,693 | 0 | 110,556 |
| (2) DR GEORGE VANDE WOUDE TRUSTEE/ INVESTIGATOR | 50 00 0 00 | X | | | | | | 300,227 | 0 | 26,410 |
| (3) DR JAMES FAHNER TRUSTEE | 1 00 1 00 | X | | | | | | 10,000 | 1,000 | 0 |
| (4) DR GARY TARPLEY TRUSTEE | 1 00 0 00 | X | | | | | | 12,500 | 0 | 0 |
| (5) DR RALPH WEICHELBAUM TRUSTEE | 1 00 0 00 | X | | | | | | 0 | 0 | 0 |
| (6) TIMOTHY MYERS CHIEF FINANCIAL OFFICER | 50 00 3 00 | | | X | | | | 231,533 | 0 | 70,637 |
| (7) DAVID WHITESCARVER SECRETARY/ CHIEF LEGAL OFFICER | 50 00 3 00 | | | X | | | | 303,113 | 0 | 92,727 |
| (8) DR JANA HALL CHIEF OPERATIONS OFFICER | 50 00 3 00 | | | X | | | | 83,527 | 0 | 21,390 |
| (9) DR PATRIK BRUNDIN VARI ASSOCIATE DIRECTOR OF RESEARCH | 45 00 0 00 | | | | X | | | 390,092 | 0 | 64,030 |
| (10) DR H ERIC XU INVESTIGATOR | 45 00 0 00 | | | | | X | | 283,371 | 0 | 54,007 |
| (11) JOHN BENDER DONE 513 CLINICAL OPERATIONS DIRECTOR | 45 00 0 00 | | | | | X | | 249,080 | 0 | 50,158 |
| (12) DR GISELLE SHOLLER DONE 613 INVESTIGATOR | 45 00 0 00 | | | | | X | | 248,918 | 0 | 43,267 |
| (13) DR SCOTT JEWELL INVESTIGATOR | 45 00 0 00 | | | | | X | | 331,418 | 0 | 59,268 |
| (14) LOVE COLLINS III VICE PRESIDENT OF DEVELOPMENT, COMM , AND MKTG | 45 00 0 00 | | | | | X | | 271,344 | 0 | 82,732 |
| (15) DR JEFFREY TRENT DONE 312 PRESIDENT & RESEARCH DIRECTOR | 0 00 0 00 | | | | | | X | 702,479 | 0 | 5,632 |
| (16) R JACK FRICK DONE 1211 CHIEF ADMINISTRATIVE OFFICER | 0 00 0 00 | | | | | | X | 273,377 | 0 | 0 |
| | | | | | | | | | | |

Part VII

| | | | | |
|-----------|--|-----------|-------|---------|
| 1b | Sub-Total | | | |
| c | Total from continuation sheets to Part VII, Section A | | | |
| d | Total (add lines 1b and 1c) | 4,096,672 | 1,000 | 680,814 |

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization ▶60

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

Section B. Independent Contractors

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

| (A) Name and business address | (B) Description of services | (C) Compensation |
|---|--------------------------------|---------------------|
| BANK OF AMERICA 100 NORTH TYRON ST CHARLOTTE NC 28202 | CREDIT ENHANCEMENT FEES | 3,393,605 |
| DK SECURITY INC 5160 FALCONVIEW AVE SE KENTWOOD MI49512 | SECURITY SERVICES | 363,304 |
| HONIGMAN MILLER SCHWARTZ LLC 130 SOUTH FIRST ST 4TH FLANN ARBOR MI482263506 | LEGAL/ CONSULTING | 361,003 |
| WARNER NORCROSS & JUDD 111 LYON ST 900 OLD KENT GRAND RAPIDS MI495032487 | LEGAL/ CONSULTING | 210,586 |
| CALLAHAN VENTURES LLC 1715 FLOWERS CROSSING GRAND RAPIDS MI49525 | CONSULTING | 194,206 |

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ►20

Part VIII

Statement of Revenue

Check if Schedule O contains a response to any question in this Part VIII

| | | | (A) | (B) | (C) | (D) | |
|---|--|---|---|---|----------------------------------|--|---------|
| | | | Total revenue | Related or exempt function revenue | Unrelated business revenue | Revenue excluded from tax under sections 512, 513, or 514 | |
| Contributions, Gifts, Grants and Other Similar Amounts | 1a | Federated campaigns . . . | 1a | | | | |
| | b | Membership dues | 1b | | | | |
| | c | Fundraising events | 1c | | | | |
| | d | Related organizations | 1d | 43,882,066 | | | |
| | e | Government grants (contributions) | 1e | 7,595,292 | | | |
| | f | All other contributions, gifts, grants, and similar amounts not included above | 1f | 2,591,336 | | | |
| | g | Noncash contributions included in lines 1a-1f \$ | | | | | |
| | h | Total. Add lines 1a-1f | | 54,068,694 | | | |
| Program Service Revenue | 2a | RESEARCH BILLED REV | Business Code 541700 | 693,011 | 439,390 | 253,621 | |
| | b | | | | | | |
| | c | | | | | | |
| | d | | | | | | |
| | e | | | | | | |
| | f | All other program service revenue | | | | | |
| | g | Total. Add lines 2a-2f | | 693,011 | | | |
| | Other Revenue | 3 | Investment income (including dividends, interest, and other similar amounts) | | 208,758 | | 208,758 |
| 4 | | Income from investment of tax-exempt bond proceeds . . | | | | | |
| 5 | | Royalties | | 358,582 | | 358,582 | |
| 6a | | Gross rents | (i) Real | (ii) Personal | | | |
| | | | 1,227,090 | | | | |
| | | | 1,213,702 | | | | |
| | | | 13,388 | | | | |
| d | | Net rental income or (loss) | | 13,388 | 10,230 | 3,158 | |
| 7a | | Gross amount from sales of assets other than inventory | (i) Securities | (ii) Other | | | |
| | | | | 59,932 | | | |
| | | | | 204,236 | | | |
| | | | | -144,304 | | | |
| d | | Net gain or (loss) | | -144,304 | -144,304 | | |
| 8a | | Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c) See Part IV, line 18 | a | | | | |
| b | | Less direct expenses | b | | | | |
| c | | Net income or (loss) from fundraising events . . | | | | | |
| 9a | | Gross income from gaming activities See Part IV, line 19 | a | | | | |
| b | | Less direct expenses | b | | | | |
| c | | Net income or (loss) from gaming activities . . | | | | | |
| 10a | | Gross sales of inventory, less returns and allowances | a | | | | |
| b | Less cost of goods sold | b | | | | | |
| c | Net income or (loss) from sales of inventory . . | | | | | | |
| Miscellaneous Revenue | | Business Code | | | | | |
| 11a | REL PARTY ADMIN SUPPO | 561000 | 7,002,239 | | 7,002,239 | | |
| b | REIMBURSED EXPENSES | 900099 | 313,421 | | 313,421 | | |
| c | STATE TAX REFUNDS | 900099 | 10,712 | | 10,712 | | |
| d | All other revenue | | 74,828 | | 74,828 | | |
| e | Total. Add lines 11a-11d | | 7,401,200 | | | | |
| 12 | Total revenue. See Instructions | | 62,599,329 | 305,316 | 267,491 | 7,957,828 | |

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 to any question in this Part IX

☐

| Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII. | | (A) Total expenses | (B) Program service expenses | (C) Management and general expenses | (D) Fundraising expenses |
|--|--|-----------------------|---------------------------------|--|-----------------------------|
| 1 | Grants and other assistance to governments and organizations in the United States. See Part IV, line 21. | | | | |
| 2 | Grants and other assistance to individuals in the United States. See Part IV, line 22. | 302,224 | 302,224 | | |
| 3 | Grants and other assistance to governments, organizations, and individuals outside the United States. See Part IV, lines 15 and 16. | | | | |
| 4 | Benefits paid to or for members. | | | | |
| 5 | Compensation of current officers, directors, trustees, and key employees. | 1,616,761 | 327,277 | 1,289,484 | |
| 6 | Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B). | 213,680 | | 213,680 | |
| 7 | Other salaries and wages. | 20,778,216 | 11,714,526 | 8,670,213 | 393,477 |
| 8 | Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions). | 1,560,210 | 944,516 | 590,514 | 25,180 |
| 9 | Other employee benefits. | 2,635,984 | 1,592,869 | 1,000,215 | 42,900 |
| 10 | Payroll taxes. | 1,506,770 | 908,912 | 572,678 | 25,180 |
| 11 | Fees for services (non-employees): | | | | |
| a | Management. | | | | |
| b | Legal. | 637,795 | 63,251 | 574,544 | |
| c | Accounting. | 128,148 | | 128,148 | |
| d | Lobbying. | 85,680 | | 85,680 | |
| e | Professional fundraising services. See Part IV, line 17. | | | | |
| f | Investment management fees. | | | | |
| g | Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O). | 2,670,755 | 1,807,905 | 862,212 | 638 |
| 12 | Advertising and promotion. | 2,522,862 | 51,029 | 2,465,373 | 6,460 |
| 13 | Office expenses. | 112,947 | 60,195 | 52,752 | |
| 14 | Information technology. | 402,742 | 149,624 | 253,038 | 80 |
| 15 | Royalties. | | | | |
| 16 | Occupancy. | 2,265,836 | 1,900,357 | 365,479 | |
| 17 | Travel. | 815,559 | 404,647 | 397,383 | 13,529 |
| 18 | Payments of travel or entertainment expenses for any federal, state, or local public officials. | | | | |
| 19 | Conferences, conventions, and meetings. | 165,374 | 108,462 | 56,912 | |
| 20 | Interest. | 10,523,660 | 8,634,262 | 1,889,398 | |
| 21 | Payments to affiliates. | | | | |
| 22 | Depreciation, depletion, and amortization. | 9,314,843 | 7,879,994 | 1,434,849 | |
| 23 | Insurance. | 425,107 | 263,367 | 161,740 | |
| 24 | Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O): | | | | |
| a | LAB SUPPLIES & SERVICES | 3,083,328 | 3,074,127 | 9,201 | |
| b | EQUIPMENT & SOFTWARE | 2,206,916 | 1,093,771 | 1,113,145 | |
| c | OTHER SCIENTIFIC | 1,202,105 | 1,199,506 | 2,599 | |
| d | POSTAGE & SHIPPING | 501,746 | 478,540 | 22,622 | 584 |
| e | All other expenses | 2,354,543 | 779,441 | 1,484,252 | 90,850 |
| 25 | Total functional expenses. Add lines 1 through 24e. | 68,033,791 | 43,738,802 | 23,696,111 | 598,878 |
| 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 <input type="checkbox"/> if following SOP 98-2 (ASC 958-720). | | | | |

Part X

Balance Sheet

Check if Schedule O contains a response to any question in this Part X

| | | | | (A) | | (B) |
|-----------------------------|---|--|----------------|-------------------|-----|-------------|
| | | | | Beginning of year | | End of year |
| Assets | 1 | Cash—non-interest-bearing | | | 1 | |
| | 2 | Savings and temporary cash investments | | 1,687,416 | 2 | 487,783 |
| | 3 | Pledges and grants receivable, net | | 2,507,373 | 3 | 2,496,299 |
| | 4 | Accounts receivable, net | | 1,262,403 | 4 | 1,841,254 |
| | 5 | Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees Complete Part II of Schedule L | | | 5 | 18,355 |
| | 6 | Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions) Complete Part II of Schedule L | | | 6 | |
| | 7 | Notes and loans receivable, net | | 1,647,915 | 7 | 1,596,595 |
| | 8 | Inventories for sale or use | | | 8 | |
| | 9 | Prepaid expenses and deferred charges | | 1,153,469 | 9 | 1,127,550 |
| | 10a | Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D | 10a264,339,993 | | | |
| | b | Less accumulated depreciation | 10b67,052,323 | 203,949,177 | 10c | 197,287,670 |
| | 11 | Investments—publicly traded securities | | | 11 | |
| | 12 | Investments—other securities See Part IV, line 11 | | 1,431,848 | 12 | 943,113 |
| | 13 | Investments—program-related See Part IV, line 11 | | | 13 | |
| | 14 | Intangible assets | | | 14 | |
| | 15 | Other assets See Part IV, line 11 | | 54,046,067 | 15 | 18,991,154 |
| | 16 | Total assets. Add lines 1 through 15 (must equal line 34) | | 267,685,668 | 16 | 224,789,773 |
| Liabilities | 17 | Accounts payable and accrued expenses | | 61,769,366 | 17 | 26,805,514 |
| | 18 | Grants payable | | | 18 | |
| | 19 | Deferred revenue | | 388,625 | 19 | 474,750 |
| | 20 | Tax-exempt bond liabilities | | 221,189,000 | 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 | | | 23 | |
| | 24 | Unsecured notes and loans 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 | | 77,755,598 | 25 | 43,175,903 |
| | 26 | Total liabilities. Add lines 17 through 25 | | 361,102,589 | 26 | 290,456,167 |
| Net Assets or Fund Balances | Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34. | | | | | |
| | 27 | Unrestricted net assets | | -95,108,778 | 27 | -66,813,709 |
| | 28 | Temporarily restricted net assets | | 1,689,257 | 28 | 1,143,715 |
| | 29 | Permanently restricted net assets | | 2,600 | 29 | 3,600 |
| | Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34. | | | | | |
| | 30 | Capital stock or trust principal, or current funds | | | 30 | |
| | 31 | Paid-in or capital surplus, or land, building or equipment fund | | | 31 | |
| | 32 | Retained earnings, endowment, accumulated income, or other funds | | | 32 | |
| | 33 | Total net assets or fund balances | | -93,416,921 | 33 | -65,666,394 |
| | 34 | Total liabilities and net assets/fund balances | | 267,685,668 | 34 | 224,789,773 |

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response to any question in this Part XI

| | | | |
|----|---|----|-------------|
| 1 | Total revenue (must equal Part VIII, column (A), line 12) | 1 | 62,599,329 |
| 2 | Total expenses (must equal Part IX, column (A), line 25) | 2 | 68,033,791 |
| 3 | Revenue less expenses Subtract line 2 from line 1 | 3 | -5,434,462 |
| 4 | Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A)) | 4 | -93,416,921 |
| 5 | Net unrealized gains (losses) on investments | 5 | -201,877 |
| 6 | Donated services and use of facilities | 6 | |
| 7 | Investment expenses | 7 | |
| 8 | Prior period adjustments | 8 | |
| 9 | Other changes in net assets or fund balances (explain in Schedule O) | 9 | 33,386,866 |
| 10 | Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B)) | 10 | -65,666,394 |

Part XII Financial Statements and Reporting

Check if Schedule O contains a response to any question in this Part XII

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

SCHEDULE A

(Form 990 or 990EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.

OMB No 1545-0047

2012

Open to Public
Inspection

| | | |
|--|--|--|
| Name of the organization VAN ANDEL RESEARCH INSTITUTE | | Employer identification number 52-2000823 |
|--|--|--|

Part I

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

The organization is not a private foundation because it is (For lines 1 through 11, check only one box)

- 1

☐

A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**
- 2

☐

A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E)
- 3

☐

A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**
- 4

☒

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

SPECTRUM HEALTH,
/
GRAND RAPIDS, MI
MERCY HEALTH SAINT MARY'S,
/
GRAND RAPIDS, MI

- 5

☐

An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv).** (Complete Part II)
- 6

☐

A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v).**
- 7

☐

An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi).** (Complete Part II)
- 8

☐

A community trust described in **section 170(b)(1)(A)(vi)** (Complete Part II)
- 9

☐

An organization that normally receives (1) more than 33¹/₃% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33¹/₃% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See **section 509(a)(2).** (Complete Part III)
- 10

☐

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

☐

An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2) See **section 509(a)(3).** Check the box that describes the type of supporting organization and complete lines 11e through 11h
- a

☐

Type I
- b

☐

Type II
- c

☐

Type III - Functionally integrated
- d

☐

Type III - Non-functionally integrated
- e

☐

By checking this box, I certify that the organization is not controlled directly or indirectly by one or more disqualified persons other than foundation managers and other than one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2)
- f

☐

If the organization received a written determination from the IRS that it is a Type I, Type II, or Type III supporting organization, check this box
- g

☐

Since August 17, 2006, has the organization accepted any gift or contribution from any of the following persons?

- (i)

A person who directly or indirectly controls, either alone or together with persons described in (ii) and (iii) below, the governing body of the supported organization?
- (ii)

A family member of a person described in (i) above?
- (iii)

A 35% controlled entity of a person described in (i) or (ii) above?

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

| | Yes | No |
|-----------------|-----|----|
| 11g(i) | | |
| 11g(ii) | | |
| 11g(iii) | | |

| (i) Name of supported organization | (ii) EIN | (iii) Type of organization (described on lines 1- 9 above or IRC section (see instructions)) | (iv) Is the organization in col (i) listed in your governing document? | | (v) Did you notify the organization in col (i) of your support? | | (vi) Is the organization in col (i) organized in the U S ? | | (vii) Amount of monetary support |
|------------------------------------|----------|--|--|----|---|----|--|----|----------------------------------|
| | | | Yes | No | Yes | No | Yes | No | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total | | | | | | | | | |

Part II

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

| Section A. Public Support | | | | | | |
|---|----------|----------|----------|----------|----------|-----------|
| Calendar year (or fiscal year beginning in) ▶ | (a) 2008 | (b) 2009 | (c) 2010 | (d) 2011 | (e) 2012 | (f) Total |
| 1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.") | | | | | | |
| 2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf | | | | | | |
| 3 The value of services or facilities furnished by a governmental unit to the organization without charge | | | | | | |
| 4 Total. Add lines 1 through 3 | | | | | | |
| 5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f) | | | | | | |
| 6 Public support. Subtract line 5 from line 4 | | | | | | |

| Section B. Total Support | | | | | | |
|--|----------|----------|----------|----------|----------|-----------|
| Calendar year (or fiscal year beginning in) ▶ | (a) 2008 | (b) 2009 | (c) 2010 | (d) 2011 | (e) 2012 | (f) Total |
| 7 Amounts from line 4 | | | | | | |
| 8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources | | | | | | |
| 9 Net income from unrelated business activities, whether or not the business is regularly carried on | | | | | | |
| 10 Other income Do not include gain or loss from the sale of capital assets (Explain in Part IV) | | | | | | |
| 11 Total support (Add lines 7 through 10) | | | | | | |
| 12 Gross receipts from related activities, etc (see instructions) | | | | | 12 | |
| 13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and stop here ▶ | | | | | | |

| Section C. Computation of Public Support Percentage | | | | | | |
|---|--|----|--|--|--|---|
| 14 Public support percentage for 2012 (line 6, column (f) divided by line 11, column (f)) | | 14 | | | | |
| 15 Public support percentage for 2011 Schedule A, Part II, line 14 | | 15 | | | | |
| 16a 33 1/3% support test—2012. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization | | | | | | ▶ |
| b 33 1/3% support test—2011. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization | | | | | | ▶ |
| 17a 10%-facts-and-circumstances test—2012. 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 IV how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization | | | | | | ▶ |
| b 10%-facts-and-circumstances test—2011. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part IV how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization | | | | | | ▶ |
| 18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions | | | | | | ▶ |

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

(Complete only if you checked the box on line 9 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

| Section A. Public Support | | | | | | |
|--|----------|----------|----------|----------|----------|-----------|
| Calendar year (or fiscal year beginning in) ▶ | (a) 2008 | (b) 2009 | (c) 2010 | (d) 2011 | (e) 2012 | (f) Total |
| 1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.") | | | | | | |
| 2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose | | | | | | |
| 3 Gross receipts from activities that are not an unrelated trade or business under section 513 | | | | | | |
| 4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf | | | | | | |
| 5 The value of services or facilities furnished by a governmental unit to the organization without charge | | | | | | |
| 6 Total. Add lines 1 through 5 | | | | | | |
| 7a Amounts included on lines 1, 2, and 3 received from disqualified persons | | | | | | |
| b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year | | | | | | |
| c Add lines 7a and 7b | | | | | | |
| 8 Public support (Subtract line 7c from line 6.) | | | | | | |

| Section B. Total Support | | | | | | |
|--|----------|----------|----------|----------|----------|-----------|
| Calendar year (or fiscal year beginning in) ▶ | (a) 2008 | (b) 2009 | (c) 2010 | (d) 2011 | (e) 2012 | (f) Total |
| 9 Amounts from line 6 | | | | | | |
| 10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources | | | | | | |
| b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975 | | | | | | |
| c Add lines 10a and 10b | | | | | | |
| 11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on | | | | | | |
| 12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part IV.) | | | | | | |
| 13 Total support. (Add lines 9, 10c, 11, and 12.) | | | | | | |
| 14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and stop here ▶ | | | | | | |

| Section C. Computation of Public Support Percentage | | |
|---|----|--|
| 15 Public support percentage for 2012 (line 8, column (f) divided by line 13, column (f)) | 15 | |
| 16 Public support percentage from 2011 Schedule A, Part III, line 15 | 16 | |

| Section D. Computation of Investment Income Percentage | | |
|--|----|--|
| 17 Investment income percentage for 2012 (line 10c, column (f) divided by line 13, column (f)) | 17 | |
| 18 Investment income percentage from 2011 Schedule A, Part III, line 17 | 18 | |
| 19a 33 1/3% support tests—2012. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization ▶ | | |
| b 33 1/3% support tests—2011. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization ▶ | | |
| 20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ▶ | | |

Part IV **Supplemental Information.** Complete this part to provide the explanations required by Part II, line 10; Part II, line 17a or 17b; and Part III, line 12. Also complete this part for any additional information. (See instructions).

| |
|------------------------------|
| Facts And Circumstances Test |
| |

| |
|-------------|
| Explanation |
| |
| |
| |
| |

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.
▶ See separate instructions.

OMB No 1545-0047

2012

Open to Public Inspection

If the organization answered “Yes” to Form 990, Part IV, Line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then

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

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

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

If the organization answered “Yes” to Form 990, Part IV, Line 5 (Proxy Tax) or Form 990-EZ, Part V, line 35c (Proxy Tax), then

- Section 501(c)(4), (5), or (6) organizations Complete Part III

| | |
|--|--|
| Name of the organization VAN ANDEL RESEARCH INSTITUTE | Employer identification number 52-2000823 |
|--|--|

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

| | | |
|---|--|------|
| 1 | Provide a description of the organization’s direct and indirect political campaign activities in Part IV | |
| 2 | Political expenditures | ▶ \$ |
| 3 | Volunteer hours | |

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

| | | |
|----|---|--|
| 1 | Enter the amount of any excise tax incurred by the organization under section 4955 | ▶ \$ |
| 2 | Enter the amount of any excise tax incurred by organization managers under section 4955 | ▶ \$ |
| 3 | If the organization incurred a section 4955 tax, did it file Form 4720 for this year? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 4a | Was a correction made? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| b | If “Yes,” describe in Part IV | |

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

| | | |
|---|---|--|
| 1 | Enter the amount directly expended by the filing organization for section 527 exempt function activities | ▶ \$ |
| 2 | Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities | ▶ \$ |
| 3 | Total exempt function expenditures Add lines 1 and 2 Enter here and on Form 1120-POL, line 17b | ▶ \$ |
| 4 | Did the filing organization file Form 1120-POL for this year? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 5 | Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments For each organization listed, enter the amount paid from the filing organization’s funds Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC) If additional space is needed, provide information in Part IV | |

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

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

- A** Check ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures)
- B** Check ☐ if the filing organization checked box A and "limited control" provisions apply

| Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.) | | (a) Filing organization's totals | (b) Affiliated group totals | | | | | | | | | | | | |
|--|---|--|------------------------------------|--------------------|------------------------------|---|---|---|---|--|--|-------------------|-------------|--|--|
| 1a | Total lobbying expenditures to influence public opinion (grass roots lobbying) | 0 | | | | | | | | | | | | | |
| b | Total lobbying expenditures to influence a legislative body (direct lobbying) | 85,680 | | | | | | | | | | | | | |
| c | Total lobbying expenditures (add lines 1a and 1b) | 85,680 | | | | | | | | | | | | | |
| d | Other exempt purpose expenditures | 67,948,111 | | | | | | | | | | | | | |
| e | Total exempt purpose expenditures (add lines 1c and 1d) | 68,033,791 | | | | | | | | | | | | | |
| f | Lobbying nontaxable amount Enter the amount from the following table in both columns | 1,000,000 | | | | | | | | | | | | | |
| <table><thead><tr><th>If the amount on line 1e, column (a) or (b) is:</th><th>The lobbying nontaxable amount is:</th></tr></thead><tbody><tr><td>Not over \$500,000</td><td>20% of the amount on line 1e</td></tr><tr><td>Over \$500,000 but not over \$1,000,000</td><td>\$100,000 plus 15% of the excess over \$500,000</td></tr><tr><td>Over \$1,000,000 but not over \$1,500,000</td><td>\$175,000 plus 10% of the excess over \$1,000,000</td></tr><tr><td>Over \$1,500,000 but not over \$17,000,000</td><td>\$225,000 plus 5% of the excess over \$1,500,000</td></tr><tr><td>Over \$17,000,000</td><td>\$1,000,000</td></tr></tbody></table> | | 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 | | |
| 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 | | | | | | | | | | | | | | |
| g | Grassroots nontaxable amount (enter 25% of line 1f) | 250,000 | | | | | | | | | | | | | |
| h | Subtract line 1g from line 1a If zero or less, enter -0- | 0 | | | | | | | | | | | | | |
| i | Subtract line 1f from line 1c If zero or less, enter -0- | 0 | | | | | | | | | | | | | |
| j | If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year? | <input type="checkbox"/> Yes <input type="checkbox"/> 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 instructions for lines 2a through 2f on page 4.)

| Lobbying Expenditures During 4-Year Averaging Period | | | | | |
|--|----------|----------|-----------|-----------|-----------|
| Calendar year (or fiscal year beginning in) | (a) 2009 | (b) 2010 | (c) 2011 | (d) 2012 | (e) Total |
| 2a Lobbying nontaxable amount | | | 1,000,000 | 1,000,000 | 2,000,000 |
| b Lobbying ceiling amount (150% of line 2a, column(e)) | | | | | 3,000,000 |
| c Total lobbying expenditures | | | 68,133 | 85,680 | 153,813 |
| d Grassroots nontaxable amount | | | 250,000 | 250,000 | 500,000 |
| e Grassroots ceiling amount (150% of line 2d, column (e)) | | | | | 750,000 |
| f Grassroots lobbying expenditures | | | | | |

Part II-B

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

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

Part III-A

Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6).

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

Part III-B

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

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

Part IV

Supplemental Information

Complete this part to provide the descriptions required for Part I-A, line 1, Part I-B, line 4, Part I-C, line 5, Part II-A (affiliated group list), Part II-A, line 2, and Part II-B, line 1. Also, complete this part for any additional information.

| Identifier | Return Reference | Explanation |
|------------|------------------|-------------|
|------------|------------------|-------------|

SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

OMB No 1545-0047

2012

Open to Public Inspection

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

Employer identification number
52-2000823

Part I

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

| | | |
|---|--|------------------------------|
| | (a) Donor advised funds | (b) Funds and other accounts |
| 1 | Total number at end of year | |
| 2 | Aggregate contributions to (during year) | |
| 3 | Aggregate grants from (during year) | |
| 4 | Aggregate value at end of year | |
| 5 | Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? <div><input type="checkbox"/> Yes<input type="checkbox"/> No</div> | |
| 6 | Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit? <div><input type="checkbox"/> Yes<input type="checkbox"/> No</div> | |

Part II

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

1

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

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

2

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

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

3

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

4

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

5

Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds?

☐ Yes☐ No

6

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

7

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

8

Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)?

☐ Yes☐ No

9

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

Part III

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

1a

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

b

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

(i) Revenues included in Form 990, Part VIII, line 1

▶\$ _____

(ii) Assets included in Form 990, Part X

▶\$ _____

2

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

a

Revenues included in Form 990, Part VIII, line 1

▶\$ _____

b

Assets included in Form 990, Part X

▶\$ _____

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

Cat No 52283D

Schedule D (Form 990) 2012

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

3

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

a

☐ Public exhibition

b

☐ Scholarly research

c

☐ Preservation for future generations

d

☐ Loan or exchange programs

e

☐ Other

4

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

5

During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection?

☐ Yes

☐ No

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

1a

Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X?

☐ Yes

☐ No

b

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

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

| | |
|----|--------|
| | Amount |
| 1c | |
| 1d | |
| 1e | |
| 1f | |

2a

Did the organization include an amount on Form 990, Part X, line 21?

☐ Yes

☐ No

b

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

☐

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

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

2

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

a

Board designated or quasi-endowment

b

Permanent endowment

c

Temporarily restricted endowment

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

3a

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

(i)

unrelated organizations

3a(i)

Yes

No

(ii)

related organizations

3a(ii)

Yes

b

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

3b

Yes

4

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

Part VI Land, Buildings, and Equipment. See Form 990, Part X, line 10.

| Description of property | (a) Cost or other basis (investment) | (b)Cost or other basis (other) | (c) Accumulated depreciation | (d) Book value |
|--|--------------------------------------|--------------------------------|------------------------------|----------------|
| 1a Land | | 5,288,315 | | 5,288,315 |
| b Buildings | | 219,569,122 | 37,639,777 | 181,929,345 |
| c Leasehold improvements | | | | |
| d Equipment | | 38,253,261 | 29,409,246 | 8,844,015 |
| e Other | | 1,229,295 | 3,300 | 1,225,995 |
| Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c).) | | | | 197,287,670 |

| Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return | | | | |
|---|---|----|-------------|-------------|
| 1 | Total revenue, gains, and other support per audited financial statements | 1 | | 57,231,606 |
| 2 | Amounts included on line 1 but not on Form 990, Part VIII, line 12 | | | |
| a | Net unrealized gains on investments | 2a | -201,877 | |
| b | Donated services and use of facilities | 2b | | |
| c | Recoveries of prior year grants | 2c | | |
| d | Other (Describe in Part XIII) | 2d | 1,847,105 | |
| e | Add lines 2a through 2d | 2e | | 1,645,228 |
| 3 | Subtract line 2e from line 1 | 3 | | 55,586,378 |
| 4 | Amounts included on Form 990, Part VIII, line 12, but not on line 1 | | | |
| a | Investment expenses not included on Form 990, Part VIII, line 7b | 4a | | |
| b | Other (Describe in Part XIII) | 4b | 7,012,951 | |
| c | Add lines 4a and 4b | 4c | | 7,012,951 |
| 5 | Total revenue Add lines 3 and 4c. (This must equal Form 990, Part I, line 12) | 5 | | 62,599,329 |
| Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return | | | | |
| 1 | Total expenses and losses per audited financial statements | 1 | | 29,481,079 |
| 2 | Amounts included on line 1 but not on Form 990, Part IX, line 25 | | | |
| a | Donated services and use of facilities | 2a | | |
| b | Prior year adjustments | 2b | | |
| c | Other losses | 2c | | |
| d | Other (Describe in Part XIII) | 2d | -31,539,761 | |
| e | Add lines 2a through 2d | 2e | | -31,539,761 |
| 3 | Subtract line 2e from line 1 | 3 | | 61,020,840 |
| 4 | Amounts included on Form 990, Part IX, line 25, but not on line 1: | | | |
| a | Investment expenses not included on Form 990, Part VIII, line 7b | 4a | | |
| b | Other (Describe in Part XIII) | 4b | 7,012,951 | |
| c | Add lines 4a and 4b | 4c | | 7,012,951 |
| 5 | Total expenses Add lines 3 and 4c. (This must equal Form 990, Part I, line 18) | 5 | | 68,033,791 |

Part XIII Supplemental Information

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

| Identifier | Return Reference | Explanation |
|---|------------------|---|
| DESCRIPTION OF INTENDED USE OF ENDOWMENT FUNDS | PART V, LINE 4 | TO SUPPORT THE CORE RESEARCH OF VARI BY SUPPLYING A SOURCE OF INCOME FOR ITS OPERATING EXPENDITURES |
| DESCRIPTION OF UNCERTAIN TAX POSITIONS UNDER FIN 48 | PART X, LINE 2 | PART X, LINE 1(1) AND LINE 2 THERE ARE NO UNCERTAIN TAX POSITIONS RELATED TO VARI |
| PART XI, LINE 2D - OTHER ADJUSTMENTS | | RENTAL EXPENSES 1,213,702 CHANGE IN BALANCE SHEET PRESENTATION OF TRANSMED SYSTEMS, INC 633,403 |
| PART XI, LINE 4B - OTHER ADJUSTMENTS | | NET ALLOCATED 7,002,239 STATE TAX REFUNDS 10,712 |
| PART XII, LINE 2D - OTHER ADJUSTMENTS | | GAIN ON SWAP -32,753,463 RENTAL EXPENSES 1,213,702 |
| PART XII, LINE 4B - OTHER ADJUSTMENTS | | NET ALLOCATED 7,002,239 STATE TAX REFUNDS 10,712 |
| | | PART V - THE VAN ANDEL INSTITUTE (A RELATED ORGANIZATION) HOLDS ENDOWMENT FUNDS FOR BOTH VARI AND THE VAN ANDEL EDUCATION INSTITUTE (A RELATED ORGANIZATION) TO FUND OPERATING EXPENSES PART XI AND XII, LINE 4B EXPENSE ALLOCATIONS PRESENTED WITHIN REVENUE |

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

► Complete if the organization answered "Yes" to Form 990,
Part IV, line 14b, 15, or 16.
► Attach to Form 990. ► See separate instructions.

OMB No 1545-0047

2012

Open to Public
Inspection

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

Employer identification number
52-2000823

Part I

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

- 1 For grantmakers. Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No
- 2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of grant funds outside the United States.
- 3 Activites per Region (The following Part I, line 3 table can be duplicated if additional space is needed)

| (a) Region | (b) Number of offices in the region | (c) Number of employees, agents, and independent contractors in region | (d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for and investments in region |
|--|-------------------------------------|--|---|--|--|
| (1) EAST ASIA & THE PACIFIC | 0 | 1 | PROGRAM SERVICES | RESEARCH COLLABORATION - RESEARCH SERVICES | 321,384 |
| (2) EUROPE | 0 | 0 | UNRELATED TRADE OR BUSINESS | | |
| (3) | | | | | |
| (4) | | | | | |
| (5) | | | | | |
| 3a Sub-total | 0 | 1 | | | 321,384 |
| b Total from continuation sheets to Part I | 0 | 0 | | | 0 |
| c Totals (add lines 3a and 3b) | 0 | 1 | | | 321,384 |

Part II

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

| 1 | (a) Name of organization | (b) IRS code section and EIN (if applicable) | (c) Region | (d) Purpose of grant | (e) Amount of cash grant | (f) Manner of cash disbursement | (g) Amount of non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
|-------|--------------------------|--|------------|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (1) | | | | | | | | | |
| (2) | | | | | | | | | |
| (3) | | | | | | | | | |
| (4) | | | | | | | | | |

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

Part III

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

| (a) Type of grant or assistance | (b) Region | (c) Number of recipients | (d) Amount of cash grant | (e) Manner of cash disbursement | (f) Amount of non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
|---------------------------------|------------|--------------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (1) | | | | | | | |
| (2) | | | | | | | |
| (3) | | | | | | | |
| (4) | | | | | | | |
| (5) | | | | | | | |
| (6) | | | | | | | |
| (7) | | | | | | | |
| (8) | | | | | | | |
| (9) | | | | | | | |
| (10) | | | | | | | |
| (11) | | | | | | | |
| (12) | | | | | | | |
| (13) | | | | | | | |
| (14) | | | | | | | |
| (15) | | | | | | | |
| (16) | | | | | | | |
| (17) | | | | | | | |
| (18) | | | | | | | |

Part IV Foreign Forms

- 1

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

☐ Yes

☒ No
- 2

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

☐ Yes

☒ No
- 3

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

☐ Yes

☒ No
- 4

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

☐ Yes

☒ No
- 5

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

☐ Yes

☒ No
- 6

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

☐ Yes

☒ No

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

[illegible]

Schedule I
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

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

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

OMB No 1545-0047

2012

Open to Public
Inspection

Employer identification number
52-2000823

Part I

General Information on Grants and Assistance

- 1

Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance?

☒ Yes ☐ No
- 2

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

Part II

Grants and Other Assistance to Governments and Organizations in the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

| (a) Name and address of organization or government | (b) EIN | (c) IRC Code section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
|--|---------|------------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| | | | | | | | |
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| | | | | | | | |

2

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

▶

3

Enter total number of other organizations listed in the line 1 table

▶

Part III

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

| (a)Type of grant or assistance | (b)Number of recipients | (c)Amount of cash grant | (d)Amount of non-cash assistance | (e)Method of valuation (book, FMV, appraisal, other) | (f)Description of non-cash assistance |
|--|-------------------------|-------------------------|----------------------------------|--|---------------------------------------|
| (1) GRADUATE STUDENT STIPENDS FOR VAN ANDEL GRADUATE SCHOOL AND MICHIGAN STATE UNIVERSITY STUDENTS | 7 | 235,232 | | TUITION PAID | |
| (2) FOREIGN NATIONAL STUDENT STIPENDS | 10 | 57,346 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Part IV

Supplemental Information.

Complete this part to provide the information required in Part I, line 2, Part III, column (b), and any other additional information

| Identifier | Return Reference | Explanation |
|------------|------------------|---|
| | | SCHEDULE I, PART I, LINE 2 STIPENDS ARE PROVIDED TO THE RESEARCH STUDENTS FOR LIVING AND INSURANCE ASSISTANCE |

Schedule J
(Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

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

▶ Complete if the organization answered "Yes" to Form 990, Part IV, question 23.

▶ Attach to Form 990. ▶ See separate instructions.

OMB No 1545-0047

2012

Open to Public Inspection

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

Employer identification number
52-2000823

| Part I | Questions Regarding Compensation | | Yes | No |
|--------|--|---|-----|----|
| 1a | Check the appropriate box(es) if the organization provided any of the following to or for a person listed in Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items | | | |
| | <input checked="" type="checkbox"/> First-class or charter travel | <input type="checkbox"/> Housing allowance or residence for personal use | | |
| | <input type="checkbox"/> Travel for companions | <input type="checkbox"/> Payments for business use of personal residence | | |
| | <input type="checkbox"/> Tax idemnification and gross-up payments | <input type="checkbox"/> Health or social club dues or initiation fees | | |
| | <input type="checkbox"/> Discretionary spending account | <input type="checkbox"/> Personal services (e g , maid, chauffeur, chef) | | |
| b | If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain | 1b | | No |
| 2 | Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all officers, directors, trustees, and the CEO/Executive Director, regarding the items checked in line 1a? | 2 | Yes | |
| 3 | Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director Check all that apply Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III | | | |
| | <input checked="" type="checkbox"/> Compensation committee | <input checked="" type="checkbox"/> Written employment contract | | |
| | <input checked="" type="checkbox"/> Independent compensation consultant | <input checked="" type="checkbox"/> Compensation survey or study | | |
| | <input type="checkbox"/> Form 990 of other organizations | <input checked="" type="checkbox"/> Approval by the board or compensation committee | | |
| 4 | During the year, did any person listed in Form 990, Part VII, Section A, line 1a with respect to the filing organization or a related organization | | | |
| a | Receive a severance payment or change-of-control payment? | 4a | Yes | |
| b | Participate in, or receive payment from, a supplemental nonqualified retirement plan? | 4b | | No |
| c | Participate in, or receive payment from, an equity-based compensation arrangement? | 4c | | No |
| | If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III | | | |
| | Only 501(c)(3) and 501(c)(4) organizations only must complete lines 5-9. | | | |
| 5 | For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of | | | |
| a | The organization? | 5a | | No |
| b | Any related organization? | 5b | | No |
| | If "Yes," to line 5a or 5b, describe in Part III | | | |
| 6 | For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of | | | |
| a | The organization? | 6a | | No |
| b | Any related organization? | 6b | | No |
| | If "Yes," to line 6a or 6b, describe in Part III | | | |
| 7 | For persons listed in Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III | 7 | Yes | |
| 8 | Were any amounts reported in Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III | 8 | | No |
| 9 | If "Yes" to line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)? | 9 | | |

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

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

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

Part III **Supplemental Information**

Complete this part to 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.

990 Schedule J, Supplemental Information

| Identifier | Return Reference | Explanation |
|------------|------------------|---|
| | PART I, LINE 1A | VARI ALLOWS FOR FIRST-CLASS OR CHARTER TRAVEL FOR OFFICERS AND TRUSTEES |

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

| (A) Name | | (B) Breakdown of W-2 and/or 1099-MISC compensation | | | (C) Deferred compensation | (D) Nontaxable benefits | (E) Total of columns (B)(i)-(D) | (F) Compensation reported in prior Form 990 or Form 990-EZ |
|-----------------------------|-------------|--|-------------------------------------|--------------------------|---------------------------|-------------------------|---------------------------------|--|
| | | (i) Base Compensation | (ii) Bonus & incentive compensation | (iii) Other compensation | | | | |
| DAVID VAN ANDEL | (i) (ii) | 300,014 0 | 85,204 0 | 20,475 0 | 110,054 0 | 502 0 | 516,249 0 | 85,204 0 |
| DR GEORGE VANDE WOUDE | (i) (ii) | 280,755 0 | 0 0 | 19,472 0 | 25,000 0 | 1,410 0 | 326,637 0 | 0 0 |
| TIMOTHY MYERS | (i) (ii) | 194,070 0 | 37,163 0 | 300 0 | 62,163 0 | 8,474 0 | 302,170 0 | 37,163 0 |
| DAVID WHITESCARVER | (i) (ii) | 258,023 0 | 25,000 0 | 20,090 0 | 84,253 0 | 8,474 0 | 395,840 0 | 25,000 0 |
| DR PATRIK BRUNDIN | (i) (ii) | 374,146 0 | 0 0 | 15,946 0 | 56,263 0 | 7,767 0 | 454,122 0 | 0 0 |
| DR H ERIC XU | (i) (ii) | 267,126 0 | 15,795 0 | 450 0 | 45,533 0 | 8,474 0 | 337,378 0 | 15,795 0 |
| JOHN BENDER DONE 513 | (i) (ii) | 212,707 0 | 17,393 0 | 18,980 0 | 41,685 0 | 8,473 0 | 299,238 0 | 17,393 0 |
| DR GISELLE SHOLLER DONE 613 | (i) (ii) | 234,395 0 | 14,223 0 | 300 0 | 41,858 0 | 1,409 0 | 292,185 0 | 14,223 0 |
| DR SCOTT JEWELL | (i) (ii) | 265,546 0 | 64,557 0 | 1,315 0 | 50,795 0 | 8,473 0 | 390,686 0 | 31,557 0 |
| LOVE COLLINS III | (i) (ii) | 250,054 0 | 20,000 0 | 1,290 0 | 74,259 0 | 8,473 0 | 354,076 0 | 0 0 |
| DR JEFFREY TRENT DONE 312 | (i) (ii) | 456,207 0 | 210,328 0 | 35,944 0 | 5,280 0 | 352 0 | 708,111 0 | 210,000 0 |
| R JACK FRICK DONE 1211 | (i) (ii) | 18,180 0 | 75,732 0 | 179,465 0 | 0 0 | 0 0 | 273,377 0 | 47,748 0 |

Schedule K
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

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. ▶ See separate instructions.

OMB No 1545-0047

2012

Open to Public Inspection

Employer identification number
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 behalf of issuer | | (i) Pool financing | |
|---------------------------|----------------|-------------|-----------------|-----------------|------------------------------|--------------|----|-------------------------|----|--------------------|----|
| | | | | | | Yes | No | Yes | No | Yes | No |
| A MICHIGAN STRATEGIC FUND | 52-1417332 | | 04-01-2013 | 220,000,000 | REFUND BOND ISSUE 4/10/08 | | X | | X | | X |

Part II

Proceeds

| | | A | | B | | C | | D | |
|----|--|-------------|----|-----|----|-----|----|-----|----|
| 1 | Amount of bonds retired | | | | | | | | |
| 2 | Amount of bonds legally defeased | | | | | | | | |
| 3 | Total proceeds of issue | 220,000,000 | | | | | | | |
| 4 | Gross proceeds in reserve funds | | | | | | | | |
| 5 | Capitalized interest from proceeds | | | | | | | | |
| 6 | Proceeds in refunding escrows | | | | | | | | |
| 7 | Issuance costs from proceeds | | | | | | | | |
| 8 | Credit enhancement from proceeds | | | | | | | | |
| 9 | Working capital expenditures from proceeds | | | | | | | | |
| 10 | Capital expenditures from proceeds | | | | | | | | |
| 11 | Other spent proceeds | 220,000,000 | | | | | | | |
| 12 | Other unspent proceeds | | | | | | | | |
| 13 | Year of substantial completion | | | | | | | | |
| | | Yes | No | Yes | No | Yes | No | Yes | No |
| 14 | Were the bonds issued as part of a current refunding issue? | X | | | | | | | |
| 15 | Were the bonds issued as part of an advance refunding issue? | | X | | | | | | |
| 16 | Has the final allocation of proceeds been made? | X | | | | | | | |
| 17 | Does the organization maintain adequate books and records to support the final allocation of proceeds? | X | | | | | | | |

Part III

Private Business Use

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

Part III

Private Business Use (Continued)

| | | A | | B | | C | | D | |
|----|--|-----|----|-----|----|-----|----|-----|----|
| | | Yes | No | Yes | No | Yes | No | Yes | No |
| 3a | Are there any management or service contracts that may result in private business use of bond-financed property? | X | | | | | | | |
| b | If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property? | X | | | | | | | |
| c | Are there any research agreements that may result in private business use of bond-financed property? | X | | | | | | | |
| d | If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property? | X | | | | | | | |
| 4 | Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government | % | | % | | % | | % | |
| 5 | Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government | 0% | | % | | % | | % | |
| 6 | Total of lines 4 and 5 | 0% | | % | | % | | % | |
| 7 | Does the bond issue meet the private security or payment test? | | X | | | | | | |
| 8a | Has there been a sale or disposition of any of the bond financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were issued? | | X | | | | | | |
| b | If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of | % | | % | | % | | % | |
| c | If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1.141-12 and 1.145-2? | | | | | | | | |
| 9 | Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1.141-12 and 1.145-2? | X | | | | | | | |

Part IV

Arbitrage

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

Part IV

Arbitrage (Continued)

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

Part V

Procedures To Undertake Corrective Action

| | | A | | B | | C | | D | |
|---|--|-----|----|-----|----|-----|----|-----|----|
| | | Yes | No | Yes | No | Yes | No | Yes | No |
| 1 | Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program if self-remediation is not available under applicable regulations? | X | | | | | | | |

Part VI

Supplemental Information. Complete this part to provide additional information for responses to questions on Schedule K (see instructions).

| Identifier | Return Reference | Explanation |
|--|-----------------------------------|--|
| SCHEDULE K PART IV, ARBITRAGE, LINE 2C | DATE REBATE COMPUTATION PERFORMED | ISSUER NAME MICHIGAN STRATEGIC FUND DATE THE REBATE COMPUTATION WAS PERFORMED 11/30/2013 |

Schedule L
(Form 990 or 990-EZ)

Transactions with Interested Persons

OMB No 1545-0047

2012

Open to Public Inspection

▶ Complete if the organization answered "Yes" on Form 990, Part IV, lines 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.

▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

Employer identification number
52-2000823

Part I

Excess Benefit Transactions (section 501(c)(3) and section 501(c)(4) organizations only).

Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b

| 1 | (a) Name of disqualified person | (b) Relationship between disqualified person and organization | (c) Description of transaction | (d) Corrected? | |
|---|---------------------------------|---|--------------------------------|----------------|----|
| | | | | Yes | No |
| | | | | | |
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| | | | | | |
| | | | | | |

2 Enter the amount of tax incurred by organization managers or disqualified persons during the year under section 4958 ▶ \$

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization ▶ \$

Part II

Loans to and/or From Interested Persons.

Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a, or Form 990, Part IV, line 26, or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22

| (a) Name of interested person | (b) Relationship with organization | (c) Purpose of loan | (d) Loan to or from the organization? | | (e)Original principal amount | (f)Balance due | (g) In default? | | (h) Approved by board or committee? | | (i)Written agreement? | |
|-------------------------------|------------------------------------|---------------------|---------------------------------------|------|------------------------------|----------------|-----------------|----|-------------------------------------|----|-----------------------|----|
| | | | To | From | | | Yes | No | Yes | No | Yes | No |
| (1) PATRIK BRUNDIN | KEY EMPLOYEE | CONTRACT | | X | 25,000 | 18,355 | | No | | No | Yes | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Total ▶ \$ | | | | | | | 18,355 | | | | | |

Part III

Grants or Assistance Benefitting Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

| (a) Name of interested person | (b) Relationship between interested person and the organization | (c) Amount of assistance | (d) Type of assistance | (e) Purpose of assistance |
|-------------------------------|---|--------------------------|------------------------|---------------------------|
| | | | | |
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Part IV Business Transactions Involving Interested Persons.

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

| (a) Name of interested person | (b) Relationship between interested person and the organization | (c) Amount of transaction | (d) Description of transaction | (e) Sharing of organization's revenues? | |
|-------------------------------|---|---------------------------|--------------------------------|---|----|
| | | | | Yes | No |
| (1) JVAE FOUNDATION | COMMON TRUSTEES | 177,994 | IT CONSULTING/ SERVICES | | No |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Part V Supplemental Information

Complete this part to provide additional information for responses to questions on Schedule L (see instructions)

| Identifier | Return Reference | Explanation |
|------------|------------------|-------------|
|------------|------------------|-------------|

SCHEDULE O

(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.

OMB No 1545-0047

2012

Open to Public
Inspection

| | |
|--|--|
| Name of the organization VAN ANDEL RESEARCH INSTITUTE | Employer identification number 52-2000823 |
|--|--|

| Identifier | Return Reference | Explanation |
|------------|---|--|
| | FORM 990, PART VI, SECTION A, LINE 2 | VARI AND VAEI SHARE COMMON MANAGEMENT AS OFFICERS OF VARI. DAVID VAN ANDEL, DR JANA HALL, TIMOTHY MYERS AND DAVID WHITESCARVER INTERACT AND WORK TOGETHER WITH STEVE TRIEZENBERG, AN OFFICER OF VAEI |

| Identifier | Return Reference | Explanation |
|------------|---|---|
| | FORM 990, PART VI, SECTION A, LINE 3 | DURING THE FISCAL YEAR, JERRY CALLAHAN, FORMERLY AN INDEPENDENT CONTRACTOR, BECAME A FULL TIME EMPLOYEE (IN JANUARY 2013) AS THE VICE PRESIDENT OF BUSINESS DEVELOPMENT AND EXTRAMURAL ADMINISTRATION |

| Identifier | 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 |

| Identifier | 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 FINAL APPROVAL PRIOR TO FILING WITH THE IRS |

| Identifier | Return Reference | Explanation |
|------------|---|---|
| | FORM 990, PART VI, SECTION B, LINE 12C | VARI HAS WRITTEN CONFLICT OF INTEREST ("COI") POLICIES AND PROCEDURES (ADMINISTERED BY VAN ANDEL INSTITUTE) WHICH ADMINISTER AND ENFORCE A PROCESS TO IDENTIFY, EVALUATE, AND MANAGE POTENTIAL COIS. THESE POLICIES HAVE BEEN BOARD APPROVED. VAI ADMINISTERS THE COI POLICIES AND PROCEDURES THROUGH TWO COMMITTEES: THE CONFLICTS COMMITTEE ("CC") AND THE INSTITUTIONAL COI COMMITTEE ("ICOIC"). THE COI POLICIES AND PROCEDURES APPLY TO AND SERVE AS A GUIDE FOR EVERYONE IN THE ORGANIZATION. THEY 1) PROVIDE A USEFUL RESOURCE WHEN DEVELOPING ACTIVITIES OR RELATIONSHIPS WITH OUTSIDE ENTITIES OR PERSONS, AND 2) ESTABLISH COMMITTEES TO REVIEW AND MANAGE POTENTIAL COIS AS THEY MAY ARISE. THE CC, CHAIRED BY THE CHIEF LEGAL OFFICER, REQUIRES ANNUAL AND UPDATED DISCLOSURES BY COVERED PERSONS AND REVIEWS AND APPROVES MANAGEMENT PLANS. THE INSTITUTIONAL COI POLICIES AND PROCEDURES SERVE AS A GUIDE FOR MEMBERS OF THE 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 DECIDE HOW TO MANAGE SUCH POTENTIAL COIS IN ACCORDANCE WITH THE COI POLICIES AND PROCEDURES. |

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

| Identifier | Return Reference | Explanation |
|------------|--|---|
| | FORM 990, PART VI, SECTION C, LINE 19 | THE CONFLICT OF INTEREST POLICY AND FINANCIAL STATEMENTS ARE AVAILABLE TO THE PUBLIC UPON REQUEST |

| Identifier | Return Reference | Explanation |
|--|---------------------------|---|
| CHANGES IN NET ASSETS OR FUND BALANCES | FORM 990, PART XI, LINE 9 | GAIN ON INTEREST RATE SWAP 32,753,463 CHANGE IN BALANCE SHEET PRESENTATION OF TMS 633,403 |

| Identifier | Return Reference | Explanation |
|------------|---------------------------------|--|
| | FORM 990, PART III, LINES 4A-4B | <p>LINE 4A - PROGRAM SERVICE ACTIVITY #1 VARI'S PROGRAM FOR BIOSPECIMEN SCIENCE SUPPORTS SCIENTIFIC RESEARCH AND DISCOVERY BY PROVIDING COMPREHENSIVE BIOSPECIMEN SERVICES FOR VARI SCIENTISTS AND EXTERNAL COLLABORATORS. THE PROGRAM FOR BIOSPECIMEN SCIENCE FOCUSES ON THE CHANGE AND QUALITY OF BIOSPECIMENS CAUSED BY COLLECTION, PROCESSING AND STORAGE PROCEDURES. THE PROGRAM'S RESEARCH IDENTIFIES EFFECTS ON THE CELL BIOLOGY OF SAMPLES THAT MAY BE UNRELATED TO THE DISEASE AND MORE SO CAUSED BY THE MANAGEMENT OF THE BIOSPECIMEN. THE RESULTS CAN BE USED TO DEVELOP BEST PRACTICES IN THE MANAGEMENT OF BIOSPECIMENS AND, ULTIMATELY, IMPROVE THE QUALITY OF RESEARCH FINDINGS. THE PROGRAM FOR BIOSPECIMEN SCIENCE ALSO ENCOMPASSES VARI'S NATIONALLY AND INTERNATIONALLY RECOGNIZED BIOREPOSITORY, WHICH PROVIDES SCIENTIFIC EVALUATION ON THE PATTERNS OF DEGRADATION IN BIOSPECIMENS, DATABASE TRACKING AND MANAGEMENT OF BIOSPECIMEN INVENTORY, PROCUREMENT OF SURGICAL TISSUE AND BIOSPECIMENS FROM PATIENT POPULATIONS, QUALITY CONTROL ASSESSMENT OF OPERATIONS FOR THE COLLECTION AND BANKING OF BIOSPECIMENS, AND BIOSPECIMEN PROJECT MANAGEMENT. VARI'S BIOREPOSITORY ALSO SERVES AS THE NATIONAL CANCER INSTITUTE'S COMPREHENSIVE BIOSPECIMEN RESOURCE FOR THE CANCER HUMAN BIOBANK (CAHUB) AND PROVIDES BIOREPOSITORY SERVICES FOR THE MULTIPLE MYELOMA RESEARCH FOUNDATION (MMRF). THE BIOREPOSITORY HAS COLLECTED AND STORED MORE THAN 30,000 BIOSPECIMENS FOR THESE PROGRAMS, WHICH AID SCIENTISTS IN THEIR RESEARCH BY PROVIDING HUMAN TUMOR SAMPLES IN WHICH TO STUDY GENE EXPRESSION (CAHUB) AND TO CONDUCT MOLECULAR PROFILING OF MULTIPLE MYELOMA (MMRF). CURRENTLY, THE BIOREPOSITORY CONTAINS MORE THAN 5,000 CONSENTED, PROSPECTIVELY PROCURED HUMAN BIOSPECIMENS, INCLUDING TISSUES, AND BLOOD BYPRODUCTS AND THEIR DERIVATIVES FROM MORE THAN 400 PATIENTS. ADDITIONALLY, THE BIOREPOSITORY HOUSES AN EXTENSIVE PARAFFIN BLOCK ARCHIVE OF HUMAN DIAGNOSTIC TISSUES, WHICH CURRENTLY EXCEEDS 900,000 BLOCKS GATHERED FROM ABOUT 250,000 CASES. ACQUISITION OF THESE SAMPLES IS CONDUCTED IN PART BY COLLABORATION WITH WEST MICHIGAN HOSPITALS (INCLUDING SPECTRUM HEALTH). THIS BIOREPOSITORY IS A CRUCIAL RESOURCE FOR SCIENTISTS WITH INSTITUTIONAL REVIEW BOARD (IRB) APPROVAL TO STUDY CANCER AND OTHER HUMAN DISEASES USING STORED BIOSPECIMENS FROM THE BIOREPOSITORY. VARI'S BIOREPOSITORY IS ACCREDITED BY THE COLLEGE OF AMERICAN PATHOLOGISTS (CAP) THROUGH ITS BIOREPOSITORY ACCREDITATION PROGRAM (BAP). ITS ACCREDITATION NUMBER IS 8017856 AND COVERS GENERAL BIOREPOSITORY, GENERAL SPECIMEN PROCESSING, NUCLEIC ACID EXTRACTION, SPECIMEN COLLECTION AND PROCUREMENT, SPECIMEN DISTRIBUTION AND AGREEMENTS, SPECIMEN INFORMATICS, AND SPECIMEN STORAGE. VARI'S BIOREPOSITORY ALSO IS A FOUNDING MEMBER OF THE GREAT LAKES BIOREPOSITORY RESEARCH NETWORK (GLBRN).</p> <p>LINE 4B - PROGRAM SERVICE ACTIVITY #2 THE LABORATORY OF STRUCTURAL SCIENCES FOCUSES ON STUDYING THE STRUCTURES AND FUNCTIONS OF PROTEIN-LIGAND COMPLEXES THAT PLAY KEY ROLES IN MAJOR HORMONE SIGNALING PATHWAYS. THE LABORATORY ALSO EXPLORES STRUCTURAL INFORMATION TO DEVELOP THERAPEUTIC AGENTS FOR TREATING HUMAN DISEASES, INCLUDING CANCER AND DIABETES. THE LAB USES A MULTIDISCIPLINARY APPROACH INCLUDING MOLECULAR AND CELLULAR BIOLOGY, BIOCHEMISTRY, ANIMAL PHYSIOLOGY, AND X-RAY CRYSTALLOGRAPHY. THE LAB'S CURRENT WORK FOCUSES ON THREE AREAS: NUCLEAR HORMONE RECEPTORS, THE MET TYROSINE KINASE RECEPTOR, AND G PROTEIN-COUPLED RECEPTORS (GPCRS). IN ADDITION TO THEIR FUNDAMENTAL ROLES IN BIOLOGY, THESE PROTEINS ARE IMPORTANT DRUG TARGETS. IN THE REALM OF NUCLEAR HORMONE RECEPTORS, THE LAB HAS DETERMINED THE CRYSTAL STRUCTURES OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTORS (PPAR) LIGAND-BINDING DOMAIN (LBD) BOUND TO MANY DIVERSE LIGANDS. THIS AIDS IN OUR UNDERSTANDING OF THE MOLECULAR BASIS OF LIGAND-MEDIATED SIGNALING BY PPARS. WE FOUND THAT THE CRYSTAL STRUCTURES OF THE RECEPTORS ARE BOUND TO COACTIVATORS OR CO-REPRESSORS, WHICH PROVIDES A FRAMEWORK FOR UNDERSTANDING THE MECHANISMS OF PPAR AGONISTS AND ANTAGONISTS, AND THE RECRUITMENT OF COACTIVATORS AND CO-REPRESSORS. THE LAB ALSO FOUND THAT ANDROGEN RECEPTOR (AR) MUTATIONS IN PROSTATE CANCERS OFTEN RESULTS IN ENHANCED BINDING TO A PARTICULAR COACTIVATOR, SRC-3 (WHICH IS ALSO CALLED "AMPLIFIED IN BREAST CANCER1", OR AIB1). LASTLY, WE FOUND THAT RETINOIC ACID IS A LOW-AFFINITY LIGAND FOR COUP-TF, WHICH IS ONE OF THE MOST CONSERVED NUCLEAR RECEPTORS AND HAS ESSENTIAL ROLES IN ANGIOGENESIS, HEART DEVELOPMENT, CENTRAL NERVOUS SYSTEM ACTIVITY, AND METABOLIC HOMEOSTASIS. FOR THE MET TYROSINE KINASE RECEPTOR, THE LAB HAS ENGINEERED AND DETERMINED THE CRYSTAL STRUCTURE OF THE C-MET LIGAND, HEPATOCYTE GROWTH FACTOR, NK1 AND NK2 VARIANTS. IN REGARD TO G PROTEIN-COUPLED RECEPTORS (GPCRS), WE HAVE DETERMINED CRYSTAL STRUCTURES OF THE LIGAND-BINDING DOMAIN OF THE PTH RECEPTOR AND THE CRF RECEPTOR, AND WE ARE DEVELOPING HORMONE ANALOGS FOR TREATING OSTEOPOROSIS, DEPRESSION, AND DIABETES. ADDITIONALLY, WE ARE DEVELOPING A MAM</p> |

| Identifier | Return Reference | Explanation |
|------------|---------------------------------------|--|
| | FORM 990, PART III, LINES 4A-4B | MALIAN OVEREXPRESSION SYSTEM AND PLAN TO USE IT TO EXPRESS FULL-LENGTH GPCRS FOR CRYSTALLI ZATION AND STRUCTURAL STUDIES THE LAB ALSO STUDIES THE PLANT HORMONE ABSCISIC ACID (ABA) AND ITS ASSOCIATED SIGNALING PATHWAYS, WITH THE STRUCTURES OF ABA RECEPTORS BEING HIGHLIGH TED AS ONE OF TOP 10 SCIENTIFIC BREAKTHROUGHS BY SCIENCE IN 2009 THIS WORK HAS SIGNIFICAN T IMPLICATIONS FOR ENHANCING DROUGHT RESISTANCE IN PLANTS |

| Identifier | Return Reference | Explanation |
|------------|---------------------------------|---|
| | FORM 990, PART III, LINES 4C-4D | <p>LINE 4C - PROGRAM SERVICE ACTIVITY #3 MET IS OVEREXPRESSED IN MANY TYPES OF HUMAN CANCER AND ITS EXPRESSION CORRELATES WITH AGGRESSIVE DISEASE AND POOR PROGNOSIS (WWW.VAI.ORG/MET) SINCE DISCOVERING THE C-MET RECEPTOR TYROSINE KINASE AND ITS LIGAND HEPATOCYTE GROWTH FACTOR (HGF/SF) IN THE MID-1980S, THE VANDE WOUDE LAB HAS FOCUSED ON INVESTIGATING THE KEY ROLE THESE MOLECULES PLAY IN MALIGNANT PROGRESSION OR THE INVASIVE SPREAD OF THE CANCER FOLLOWED BY METASTATIC COLONIZATION. AS PART OF THE ONGOING EFFORT TO FURTHER ENHANCE OUR UNDERSTANDING OF THIS SIGNALING SYSTEM, THE LABORATORY OF MOLECULAR ONCOLOGY FOCUSES ON THE MECHANISMS RESPONSIBLE FOR TUMOR PROGRESSION WITH THE HYPOTHESIS THAT PHENOTYPIC SWITCHING (E-MT/M-ET) AND CHROMOSOME INSTABILITY CAN DRIVE TUMOR PROGRESSION. ADDITIONALLY, WE CONTINUE TO DEVELOP AND CHARACTERIZE NOVEL ANIMAL RESEARCH MODELS THAT ARE USED IN PRECLINICAL EVALUATION OF NEW INHIBITORS THAT TARGET C-MET IN A VARIETY OF HUMAN CANCERS. TUMOR PHENOTYPIC SWITCHING MECHANISM AND THERAPEUTIC IMPLICATION IN HUMAN CARCINOMAS, CANCER CELLS' ABILITY TO INVADE OTHER TISSUES REQUIRES A BREAKDOWN OF THE JUNCTIONS BETWEEN NEIGHBORING CELLS, A PROCESS CALLED THE EPITHELIAL-TO-MESENCHYMAL TRANSITION (E-MT). EPITHELIAL CELLS LINE BODY CAVITIES, WHILE MESENCHYMAL CELLS ARE CELLS THAT CAN DIFFERENTIATE INTO CELL TYPES SUCH AS BONE, CARTILAGE AND FAT. PARADOXICALLY, METASTATIC CARCINOMAS OFTEN EXHIBIT AN EPITHELIAL PHENOTYPE, LEADING TO THE HYPOTHESIS THAT E-MT IS A TRANSIENT PROCESS INDUCED BY MICROENVIRONMENTAL FACTORS (E.G., THE CONDITIONS THAT SURROUND THE TUMOR). UPON SPREADING TO SECONDARY SITES, MESENCHYMAL CELLS REVERT TO AN EPITHELIAL PHENOTYPE (MESENCHYMAL-TO-EPITHELIAL TRANSITION, M-ET). TYPICALLY, HUMAN CARCINOMA TISSUES AND CELLS EXHIBIT EXTENSIVE DIVERSITY IN BOTH PHENOTYPE (PHYSICAL TRAIT) AND GENOTYPE (GENETIC MAKEUP), SUGGESTING A ROLE FOR GENETIC INSTABILITY IN CELL TYPE DETERMINATION. TO TEST THIS POSSIBILITY, WE HAVE DEVELOPED METHODS TO CONTINUALLY ISOLATE PHENOTYPIC VARIANTS FROM EPITHELIAL OR MESENCHYMAL SUBCLONES OF CARCINOMA CELL LINES. WE HAVE EXPLORED THE SIGNAL PATHWAY UNDERLYING E-MT/M-ET PHENOTYPIC SWITCHING USING SEVERAL APPROACHES, INCLUDING GENE EXPRESSION ANALYSIS, SPECTRAL KARYOTYPING (SKY), AND FLUORESCENT IN SITU HYBRIDIZATION (FISH). WE FOUND THAT CHANGES IN CHROMOSOME CONTENT ARE ASSOCIATED WITH PHENOTYPIC SWITCHING. WE FURTHER SHOWED THAT THESE CHANGES DICTATED THE EXPRESSION OF SPECIFIC GENES, WHICH IN E-MT EVENTS ARE MESENCHYMAL AND IN M-ET EVENTS ARE EPITHELIAL. OUR RESULTS SUGGEST THAT CHROMOSOME INSTABILITY CAN PROVIDE THE DIVERSITY OF GENE EXPRESSION NEEDED FOR TUMOR CELLS TO SWITCH PHENOTYPE. IN VIVO RESEARCH MODELS. MODEL DEVELOPMENT AND PRECLINICAL TREATMENT EVALUATION. ANTI-CANCER THERAPY BASED ON BLOCKING THE HGF-MET SIGNALING PATHWAY HAS EMERGED AS AN IMPORTANT GOAL OF PHARMACEUTICAL RESEARCH. ONE OF THE LIMITATIONS OF STUDYING ALTERED MET/HGF/SF SIGNALING IN HUMAN CANCERS IN MOUSE MODELS HAS BEEN THAT THE MOUSE HGF/SF PROTEIN SHOWS LOW AFFINITY FOR HUMAN MET. TO OVERCOME THIS CHALLENGE, OUR LAB DEVELOPED THE TRANSGENIC HUMAN HGF/SCID MOUSE MODEL (HHGFTG-SCID) THAT GENERATES A HUMAN-COMPATIBLE HGF/SF PROTEIN, THUS ALLOWING THE GROWTH OF HUMAN TUMORS (ZHANG ET AL 2005). THIS MODEL HAS BEEN PROVEN AS A VALUABLE PRECLINICAL TOOL FOR IN VIVO STUDY OF MET-DEPENDENT CANCERS AND IS USED TO EVALUATE TREATMENT STRATEGIES THAT AIM TO TARGET THIS PATHWAY (ZHANG ET AL 2010, 2013, XIE ET AL, 2013). FORM 990, PART III, LINE 4D. IN 2013, VARIOUS RESEARCHERS FOUND WAYS TO POTENTIALLY DIAGNOSE AND FIGHT SEVERAL DIFFERENT TYPES OF CANCER AND NEURODEGENERATIVE DISEASES. BELOW ARE EXAMPLES OF SIGNIFICANT RESEARCH FINDINGS.</p> <ul style="list-style-type: none">- IN 2013 VAI PARTICIPATES IN THE LINKED CLINICAL TRIALS INITIATIVE DESIGNED BY THE CURE PARKINSON'S TRUST TO IDENTIFY NEW TREATMENTS FOR PARKINSON'S DISEASE BY REPURPOSING MEDICATIONS APPROVED TO TREAT OTHER CONDITIONS.- THE VAI'S CENTER FOR NEURODEGENERATIVE SCIENCE DIRECTOR AND COLLEAGUES IN EUROPE SHOWED THAT A MISFOLDED PROTEIN ASSOCIATED WITH PARKINSON'S DISEASE CAN TRAVEL FROM NEURONS IN THE OLFACTORY BULB - ONE OF THE AREAS FIRST IMPACTED BY THE DISEASE - TO OTHER REGIONS. THIS MAY LEAD TO NEW THERAPIES THAT SLOW PROGRESSION OF PARKINSON'S DISEASE.- VAI SCIENTISTS HAVE SHOWN THE INTERACTION BETWEEN MET AND HER2 (ERBB2+) RECEPTORS (TWO IMPORTANT GENES RELATED TO CANCER) IS LINKED TO TUMORS RESISTANT TO TARGETED THERAPIES.- ANXIETY, DEPRESSION AND MIGRAINES. VAI SCIENTISTS ALONG WITH COLLEAGUES IN CHINA DISCOVERED THE STRUCTURAL BLUEPRINT THAT WILL AID IN THE DESIGN OF MORE SELECTIVE ACTIVATORS OF SEROTONIN RECEPTORS. SEROTONIN IS A NEUROTRANSMITTER AND ITS RECEPTORS ARE IMPORTANT DRUG TARGETS FOR CONDITIONS SUCH AS ANXIETY, DEPRESSION AND MIGRAINES.- RESEARCH INITIATED IN VAI'S CENTER FOR CANCER AND CELL BIOLOGY AND CONTINUED WITH COLLEAGUES IN THE CENTER FOR SKELETAL DISEASE AND TUMOR METASTASIS HAVE LINKED A DEFICIENCY OF MIG-6, A GENE ASSOCI |

| Identifier | Return Reference | Explanation |
|------------|---------------------------------------|--|
| | FORM 990, PART III, LINES 4C-4D | ATED WITH JOINT STABILITY , TO OSTEOARTHRITIS DEVELOPMENT AND THE REGULATION OF CARTILAGE CELLS THIS WORK COULD LEAD TO DISEASE-MODIFYING TREATMENTS FOR OSTEOARTHRITIS - VAI SCIENTISTS ARE WORKING TO FURTHER UNDERSTAND A KEY SIGNALING PATHWAY THAT MAY PROVIDE MORE EFFECTIVE TREATMENTS FOR PATIENTS WHOSE PROSTATE CANCER HAS SPREAD TO THEIR BONES - SCIENTISTS IN VAI'S CENTER FOR SKELETAL DISEASE AND TUMOR METASTASIS HAVE SHOWN THAT A MUTATION OF THE LRP6 GENE CAN LEAD TO SEVERE OSTEOARTHRITIS AND FURTHER CLARIFIES THE ROLES OF THE LRP 6 AND LRP5 GENES IN BONE STABILITY BY USING A GENETIC MODEL, VAI SCIENTISTS WERE ABLE TO ASCERTAIN A CLEAR LINK BETWEEN THE GENES AND THE CELLS RESPONSIBLE FOR THE FORMATION OF BONE - USING MELANOMA-BASED AVATAR MODELS THAT MIRROR HUMAN TUMOR PROGRESSION, VAI SCIENTISTS IDENTIFIED SEVERAL ACQUIRED DRUG RESISTANCE MECHANISMS TO TARGETED CANCER THERAPIES THE GROUP ALSO IDENTIFIED A COMBINATION DRUG APPROACH THAT LED TO SUSTAINED REMISSIONS IN A VALIDATED PRE-CLINICAL SYSTEM - VAI SCIENTISTS HAVE DEVELOPED A NEW METHOD THAT WILL AID IN THE DIAGNOSIS OF PRECANCEROUS CYSTS IN THE PANCREAS, WHICH CAN DEVELOP INTO AN AGGRESSIVE FORM OF CANCER |

| Identifier | Return Reference | Explanation |
|------------|---------------------------------|--|
| | FORM 990, PART X, LINE 33 | VARI NET ASSETS ARE CONSIDERED ON A CONSOLIDATED BASIS WITH VAN ANDEL INSTITUTE (VAI), VAN ANDEL EDUCATION INSTITUTE (VAEI), AND THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE (2012 ONLY), RELATED PARTIES ON A CONSOLIDATED BASIS, NET ASSETS ARE \$1,173,409,000 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 |

| Identifier | 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 |

SCHEDULE R
(Form 990)

Department of the Treasury
Internal Revenue Service

Related Organizations and Unrelated Partnerships

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 33, 34, 35, 36, or 37.
▶ Attach to Form 990. ▶ See separate instructions.

OMB No 1545-0047

2012

Open to Public Inspection

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

Employer identification number
52-2000823

| Part I Identification of Disregarded Entities (Complete if the organization answered "Yes" to Form 990, Part IV, line 33.) | | | | | |
|--|---|--|---------------------|---------------------------|----------------------------------|
| (a) Name, address, and EIN (if applicable) of disregarded entity | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Total income | (e) End-of-year assets | (f) Direct controlling entity |
| (1) VAI INNOVATIONS LLC 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000823 | LICENSING INTELLECTUAL PROPERTY OF VARI | MI | -628,663 | 10,174 | VAN ANDEL RESEARCH INSTITUTE |
| (2) VARI INTERNATIONAL 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 26-2615936 | BIOMEDICAL RESEARCH | MI | 32 | 0 | VAN ANDEL RESEARCH INSTITUTE |
| (3) BOSTWICK EVENT MANAGEMENT 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000823 | EVENT MANAGEMENT | MI | 5,866 | 117,458 | VAN ANDEL RESEARCH INSTITUTE |
| (4) VARI-CLINXUS LLC (TRANSFERRED 82213) 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 27-4015168 | CLINICAL TRIALS | MI | -331,866 | 40,161 | VAN ANDEL RESEARCH INSTITUTE |
| | | | | | |
| | | | | | |

| Part II Identification of Related Tax-Exempt Organizations (Complete if the organization answered "Yes" to Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.) | | | | | | | |
|---|---|--|----------------------------|---|----------------------------------|--|----|
| (a) Name, address, and EIN of related organization | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Exempt Code section | (e) Public charity status (if section 501(c)(3)) | (f) Direct controlling entity | (g) Section 512(b)(13) controlled entity? | |
| | | | | | | Yes | No |
| (1) VAN ANDEL INSTITUTE 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000820 | SUPPORTING ORGANIZATION FOR VARI AND VAEI | MI | 501(C)(3) | 11C | N/A | | No |
| (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 | |
| (3) VAN ANDEL INSTITUTE GRADUATE SCHOOL 333 BOSTWICK AVENUE NE GRAND RAPIDS, ME 495032518 20-3340886 | OPERATING A GRADUATE SCHOOL | MI | 501(C)(3) | 2 | VAN ANDEL EDUCATION INSTITUTE | Yes | |
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Part III

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

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

Identification of Related Organizations Taxable as a Corporation or Trust (Complete if the organization answered "Yes" to 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 |
| (1) TRANSMED SYSTEMS INC 21170 CANYON OAK WAY CUPERTINO, CA 95014 27-2358859 | PERSONALIZED MEDICINE SOFTWARE AND SERVICES | DE | VAI INNOVATIONS LLC | C | -1,274,453 | 880,871 | 31.930 % | | No |
| | | | | | | | | | |
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Part V

Transactions With Related Organizations (Complete if the organization answered "Yes" to Form 990, Part IV, line 34, 35b, or 36.)

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

1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

- a** Receipt of **(i)** interest **(ii)** annuities **(iii)** royalties or **(iv)** rent from a controlled entity
- b** Gift, grant, or capital contribution to related organization(s)
- c** Gift, grant, or capital contribution from related organization(s)
- d** Loans or loan guarantees to or for related organization(s)
- e** Loans or loan guarantees by related organization(s)

- f** Dividends from related organization(s)
- g** Sale of assets to related organization(s)
- h** Purchase of assets from related organization(s)
- i** Exchange of assets with related organization(s)
- j** Lease of facilities, equipment, or other assets to related organization(s)

- k** Lease of facilities, equipment, or other assets from related organization(s)
- l** Performance of services or membership or fundraising solicitations for related organization(s)
- m** Performance of services or membership or fundraising solicitations by related organization(s)
- n** Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)
- o** Sharing of paid employees with related organization(s)

- p** Reimbursement paid to related organization(s) for expenses
- q** Reimbursement paid by related organization(s) for expenses

- r** Other transfer of cash or property to related organization(s)
- s** Other transfer of cash or property from related organization(s)

| | Yes | No |
|----|-----|----|
| | | |
| 1a | Yes | |
| 1b | Yes | |
| 1c | Yes | |
| 1d | | No |
| 1e | Yes | |
| | | |
| 1f | | No |
| 1g | | No |
| 1h | | No |
| 1i | | No |
| 1j | | No |
| | | |
| 1k | | No |
| 1l | Yes | |
| 1m | | No |
| 1n | Yes | |
| 1o | Yes | |
| | | |
| 1p | Yes | |
| 1q | Yes | |
| | | |
| 1r | Yes | |
| 1s | | No |

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

| (a) Name of other organization | (b) Transaction type (a-s) | (c) Amount involved | (d) Method of determining amount involved |
|-----------------------------------|----------------------------------|------------------------|--|
| See Additional Data Table | | | |
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Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

[illegible]

Software ID:
Software Version:
EIN: 52-2000823
Name: VAN ANDEL RESEARCH INSTITUTE

Part VII

Supplemental Information

Complete this part to provide additional information for responses to questions on Schedule R (see instructions)

| Identifier | Return Reference | Explanation |
|------------|------------------|-------------|
|------------|------------------|-------------|

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

| (a) Name of other organization | (b) Transaction type(a-s) | (c) Amount Involved | (d) Method of determining amount involved |
|-------------------------------------|---------------------------------|------------------------|---|
| VAN ANDEL INSTITUTE | C | 43,882,066 | ACTUAL AMOUNT PAID |
| VAN ANDEL INSTITUTE | E | 18,670,000 | TOTAL RECORDED |
| VAN ANDEL INSTITUTE | N | 315,668 | ALLOCATION BASED ON SQ FOOTAGE |
| VAN ANDEL INSTITUTE | P | 491,604 | ACTUAL AMOUNT PAID |
| VAN ANDEL INSTITUTE | N | 173,843 | ALLOCATION BASED ON EFFORT |
| VAN ANDEL INSTITUTE | O | 1,167,918 | ALLOCATION BASED ON EFFORT |
| VAN ANDEL EDUCATION INSTITUTE | P | 75,898 | ACTUAL AMOUNT PAID |
| VAN ANDEL EDUCATION INSTITUTE | Q | 1,080,055 | ACTUAL AMOUNT RECEIVED |
| VAN ANDEL EDUCATION INSTITUTE | O | 69,920 | APPORTIONED FY13 COMPENSATION |
| VAN ANDEL EDUCATION INSTITUTE | N | 40,815 | ALLOCATION BASED ON EFFORT |
| VAN ANDEL EDUCATION INSTITUTE | O | 274,207 | ALLOCATION BASED ON EFFORT |
| VAN ANDEL INSTITUTE GRADUATE SCHOOL | N | 19,652 | ALLOCATION BASED ON EFFORT |
| VAN ANDEL INSTITUTE GRADUATE SCHOOL | N | 177,563 | ALLOCATION BASED ON SQ FOOTAGE |
| VAN ANDEL INSTITUTE GRADUATE SCHOOL | Q | 148,148 | ACTUAL AMOUNT RECEIVED |
| VAN ANDEL INSTITUTE GRADUATE SCHOOL | O | 132,025 | ALLOCATION BASED ON EFFORT |
| TRANSMED SYSTEMS INC | A | 666,667 | ACCRUED PER CONTRACT |
| VAN ANDEL INSTITUTE | Q | 5,527,150 | ACTUAL AMOUNT PAID |