JOHN DEEN
Veterinary Medicine

John Deen in the College of Veterinary Medicine received a five-year award of up to $50 million from USAID for the One Health Workforce project, an international effort that involves multiple U of M colleges, Tufts and 24 other universities across Africa and Asia to ensure nations have skilled health care workers to battle the spread of infectious diseases.
James Neaton in the School of Public Health received an award of $17 million from Leidos Biomedical (with support from NIH) for several projects, including influenza studies, vaccine and treatment trials for Ebola and a study of Ebola survivors.
STATE OF RESEARCH

**Research Growth:** Research enterprise continues to grow and thrive, despite declining federal support

**Collaborations and Partnerships:** Increasing importance of collaboration, both public-private and academic partnerships, nationally and globally

**Sustainable Funding Model:** New research funding model needed to keep the academic enterprise thriving, generating ideas that make our lives better
AWARDS BY SOURCE

Dollar amounts represented in millions
AWARDS BY SOURCE

Dollar amounts represented in millions
AWARDS BY MAJOR SOURCE CATEGORY

Dollar amounts represented in millions

30.8% Actual growth
10.8% Inflation adjusted growth
TOP 20 INSTITUTIONS

<table>
<thead>
<tr>
<th>Institution</th>
<th>Ranks</th>
<th>Expenditures</th>
<th>9 of 9</th>
<th>12</th>
<th>10</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCLA</td>
<td>7</td>
<td>$948,197</td>
<td>9 of 9</td>
<td>12</td>
<td>10</td>
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<tr>
<td>MINNESOTA–TWIN CITIES</td>
<td>8</td>
<td>$876,870</td>
<td>9 of 9</td>
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<td>22</td>
<td>10</td>
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<tr>
<td>PITTSBURGH</td>
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<td>$856,806</td>
<td>8 of 9</td>
<td>70</td>
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<td>24</td>
</tr>
</tbody>
</table>

Dollar amounts represented in thousands

*As of 10/13/2015 the 2013 CMUP data is the latest available.
†Total expenditures for all U of M campuses: $901M
UMN R&D EXPENDITURES

NATIONAL & GLOBAL ANALYSIS

Dollar amounts represented in thousands
STRATEGIC & PROGRAM DIRECTIONS
RESEARCH PRIORITIES

Produce **excellence**

Be **transformative**, lead not follow

Advance **transdisciplinary** work

Focus on critical **global challenges**

Present real, **measurable results**
ADVANCING HUMAN RESEARCH PROTECTIONS

Support an ethical culture
Provide more education and training for investigators and staff
Improve IRB processes and policies
Develop new approaches to managing conflicts of interest
Increase community participation and oversight
RESEARCH ADVANCEMENT

In the past five years, OVPR has invested $108 million in research funding across the U of M campuses

**Grant-in-Aid:** $15M, 528 projects, 5 campuses, 29 colleges/units  
ROI $5.50:$1

**Research Infrastructure:** $33M, 46 projects, 2 campuses, 29 colleges/units, 2,027 infrastructure users

**Minnesota Futures:** $2M, 8 projects, 1 campus, 3 colleges/units  
ROI $7.50:$1
CONVERGENCE COLLOQUIA

• **5 colloquia in 2015**: smart cities and infrastructure, aging, health equity, renewable energy, sustainable food systems (4 in 2016)

• **340 participants** from: 14 Twin Cities colleges, UMM and UMD 40 nonprofits, Met Council, state agencies and 25 private companies

• **29 proposals** submitted for **Serendipity Grants** up to $30K each
  - “Smart-Food-Flows” database to track/map food supply chains in the Minneapolis area to improve sustainability of local food production
  - Family caregiver study with Wilder Foundation and Blue Cross Blue Shield to explore new interventions, services and policies for working family caregivers and their employers
STATE OF RESEARCH

Research Growth: Research enterprise continues to grow and thrive, despite declining federal support Opportunities: Continue diversification, more efficient grants systems

Collaborations and Partnerships: Increasing importance of collaboration, both public-private and academic partnerships, nationally and globally Opportunities: Deepen and seed culture of collaboration, remove barriers to collaboration

Sustainable Funding Model: New research funding model needed to keep the academic enterprise thriving, generating ideas that make our lives better Opportunities: Institutional direct funding strategy, balance internal and external R&D investments