ONE UNIVERSITY: MANY OPPORTUNITIES

Research at Ohio State

Jeff Agnoli, Education, Funding and Research Development
Office of the Vice President for Research
August 19, 2015
• More than 64,000 students
• 6,800+ faculty
• 18,000+ staff
• Largest health sciences complex in U.S.
• $983 M in research expenditures for FY14
• 4th in industry sponsored research

Astounding discoveries every day, creating economic opportunities and solving global problems
Research Expenditures FY 04 – 13
Expenditures by Federal Agency

Expenditures in Millions

<table>
<thead>
<tr>
<th>Agency</th>
<th>FY 09</th>
<th>FY 10</th>
<th>FY 11</th>
<th>FY 12</th>
<th>FY 13</th>
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<tr>
<td>NIH</td>
<td>$200</td>
<td>$220</td>
<td>$230</td>
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<td>NSF</td>
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<td>$50</td>
<td>$60</td>
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<td>$45</td>
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<td>$10</td>
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<td>$2</td>
<td>$4</td>
<td>$6</td>
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<tr>
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<td>$1</td>
<td>$2</td>
<td>$3</td>
<td>$4</td>
<td>$5</td>
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<tr>
<td>Other Agencies</td>
<td>$5</td>
<td>$10</td>
<td>$15</td>
<td>$20</td>
<td>$25</td>
</tr>
</tbody>
</table>

- FY 09
- FY 10
- FY 11
- FY 12
- FY 13
Connecting to alternative funding sources

• Private foundations
• Corporate Philanthropy
• Donors
• Industry
Connection to Community
Making connections through faculty expertise databases

- Research in View
- Pure Experts
- EngageOSU
- KMDdata
Major Industry Sponsors

- Honda R&D Americas, Inc.
- Pharmacyclics, Inc.
- Genentech, Inc.
- Pfizer, Inc.
- General Electric Aircraft Engines
- GlaxoSmithKline
- Pratt & Whitney Engines
- Medtronic, Inc.
- Toyota Motor Corporation
- Novartis Pharmaceuticals Corporation
International Research Programs

Gateways

• China  2010
• India   2012
• Brazil  2014

Strategies for alumni engagement, research and teaching, student recruitment and corporate partnerships

http://go.osu.edu/globalfunding

International Collaboration

• Brazil (Research grant program in partnership with FAPESP; $1.4 M investment, split between state of São Paolo and Ohio State)
• Universitas 21 – research collaboration
How can the Office of Research help you?

- Stimulates new research, supports ongoing activities
- Identifies new sources of funding
- Fosters interdisciplinary research across campus
- Creates new opportunities for collaboration
- Ensures protection for human subjects and animals in research
- Assists in the management and commercialization of intellectual assets

Our Strategic Priorities

- Make our researchers more competitive
- Simplify administrative requirements, streamline processes
- Shape state and national conversations about research priorities
Research Partners

• **College Research Officers (associate deans for research)**
  – Administer college-based funds (seed grants, travel, etc.)
  – Help with university policies, procedures
  – Leverages the college’s research portfolio and resources

• **Department chairs**
  – Determine start-up costs, graduate assistants, etc.

• **Department fiscal officers**
  – Assist with grant and start-up expenditures
Services to Support Your Research

- Proposal submission
- Post-award grant administration
- Identification of funding opportunities
- Guidance and oversight of research involving human subjects, animals, and biohazards
- Management of potential compliance risks
- Assistance with the transfer of university-developed technology to the marketplace; in partnership with the Technology Commercialization Office
- Identification of industry collaborators, industry leaders
- Access to university-wide policies and procedures
OFFICE OF RESEARCH

Funding & Research Development

- Assistance with finding funding & collaborators, and leveraging Ohio State’s resources
- Coordination of the limited submission process, Ohio State’s internal nomination process
- Supporting nominations for national and international scholarly awards and prizes

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Funding and Research Development (go.osu.edu/funding)

- SPIN Funding Opportunities Database
  - www.infoedglobal.com

- Research Development and Grant Writing Newsletter
  - http://go.osu.edu/grantwritingnews (OSU login required)

- Federal Grants and Contracts
  - http://grants.gov

- Research Databases
  - http://library.ohio-state.edu/screens/databases.html
Funding and Research Development (go.osu.edu/funding)

- Knowledge Management (KM) Data
  - http://kmdata.osu.edu (faculty expertise)

- Internal Funding Opportunities
  - College, institute/center, and department web sites

- Sponsored Program Officers
  - http://osp.osu.edu/spos
University Requirements

Every proposal requires:

- ePA-005 – Authorization to Seek Off-Campus Funds form with appropriate signatures
- Principal Investigator (PI) Status Eligibility
- Approval for use of human subjects, animals, or other institutional clearances (research risks)
- Conflict of Interest requirements
- Appropriate facilities and administrative (F&A) costs as allowed by sponsor
- The Ohio State University or The Ohio State University Foundation is listed as the applicant and contractual entity
Proposition may also require:

- Documentation that sufficient research space is available
- Documentation of sources of cost sharing, if included in proposal
Sample Pre-Submission Timeline

PLANNING PHASE

Months before receipt date

- Assess yourself, your field, and your resources
- Brainstorm; research your idea; call NIAID program staff
- Set up your own review committee; determine human and animal subject requirements

WRITING PHASE

- First outline your application’s structure; then write your application
- Get feedback; edit and proofread

SUBMISSION PHASE

- Meet institutional deadlines
- Receipt date
OFFICE OF SPONSORED PROGRAMS

http://osp.osu.edu/

Services provided:

• Proposal and budget development assistance for grant submissions
• Negotiation of awards
• Management of post-award grants and contracts
  - Research purchasing
  - Research project faculty, staff, and student payrolls
• Network of sponsored program officers (SPOs) serving each college
OFFICE OF RESPONSIBLE RESEARCH PRACTICES

http://orrp.osu.edu/irb

- Administers Institutional Review Boards (IRBs)
- Works with investigators to help them navigate the IRBs to gain committee approvals
- Reviews and assures compliance on more than 6,000 human subjects protocols
OFFICE OF RESPONSIBLE RESEARCH PRACTICES

http://orrp.osu.edu/iacuc/

• Administers the Institutional Animal Care and Use Committee (IACUC)
  ▪ IACUC provides oversight of animals in research and instructional activities
• Works with investigators to help them navigate the IACUC to gain committee approvals
• Administers and assures compliance on over 900 animal protocols annually
OFFICE OF RESPONSIBLE RESEARCH PRACTICES
http://orrp.osu.edu/iacuc/

- Provides veterinary and husbandry services for the university’s 125,000 plus animals involved in biomedical research and teaching
- Ensures the humane care and use of animals
- Ensures compliance with federal laws and guidelines
SAVE THE DATES

New Faculty Reception  (8:30 AM – 9:30 AM)
& Research Expo  (9:30 AM – Noon)
Thursday September 24, 2015 | 8:30 AM – Noon
Great Hall Meeting Room, Ohio Union

State of Research Address and Innovator of the Year Awards
Thursday October 22, 2015 | 8:30 AM – 9:45 AM
US Bank Conference Theater, Ohio Union

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