Importance of Industry R&D to Academia

U.S. Academic R&D Expenditures, by Performing Sector, Source of Funds, and Type of Work: 2013

- **Federal**: 57%
- **Univs**: 24%
- **Nonfed gov't**: 6%
- **Other non profits**: 8%
- **Business**: 5%

Source: NSF
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- Federal: 57%

5-7% is the average
If you are below 5% you can move up
To get above 10% requires a strategy!

Source: NSF
Government Support of R&D

1973 - 6.9% government spending went to R&D

2017 - 3.4% government spending went to R&D
Trends in Federal R&D
As a percent of GDP

Source: AAAS analyses of historical budget and agency data and the FY 2017 request. GDP figures from OMB. R&D includes conduct and facilities. © AAAS
R&D as Percent of Discretionary Spending
percentage of outlays, 1962 - 2017

Source: Budget of the U.S. Government FY 2017. © 2016 AAAS
Myth

Industry funding will replace federal government funding

It will not......
Growing importance

Industry engagement helps win large awards!
The UIDP
• Support the mission of each partner
• Focus on fostering appropriate, long term partnerships
• Seek to streamline negotiations to ensure timely conduct of the research and development of research findings
University-Industry Relationship Continuum

UIDP © 2017
The UIDP is an incubator for advancing high-value, high-return University-Industry partnerships
UIDP Specifics

• Started in Dec 2006
• Originally convened by National Academies, now an independent 501(c)3
• Approximately 150 members
  – Industry sector leaders
  – Other research groups – AMCs, national labs
• 2 general meetings a year, 1 project summit
• UIDP Academy – educational offerings
• 2 university: 1 company

• Membership - institutional, not individual

• Member representatives’ job titles or functions vary

• Expand internationally – Oxford, Queensland, Tokyo, and Toronto
Senior Research Officers/Deans
Research Compliance
Research Administration
IP, Legal, Contracting
Communications
University/Corporate Relations
Economic Development

Researchers

UIDP © 2017
At UIDP, we foster personal relationships that benefit collaborations
UIDP Projects

• An activity addressing a challenge or need affecting U-I collaboration
• Topics generated by input from practitioners seeking solutions
• Sanctioned event that has multi-member support and passes a litmus test
• Solutions created by larger set of interested parties
• Project products take many forms
Broad Categories

- Strategic Partnerships
- International Engagement
- Federal Engagement
- Workforce Development
- Contracting
- Compliance
- Operational (Partnership How To)
OUR PROJECT PROCESS

**STEP 01**
Member identifies a shared problem or opportunity

**STEP 02**
Other members interested in leading the effort are identified (by member and/or with help of UIDP staff)

**STEP 03**
A working group is formed

**STEP 04**
Members strategically select representatives from their organization who have vested interest and expertise in the subject matter

**STEP 05**
The group defines the project scope, timeline, work product, & dissemination strategies

**STEP 06**
Working group members draft and share (by email, on conference calls, or in person) materials for review in discussion

**STEP 07**
Working group presents work product for UIDP Project Committee review and approval

**STEP 08**
Work projects are disseminated to UIDP members for their use
A few examples of UIDP Products and Publications
New Contract Models
New Contract Models

We are seeking new schools to add to an updated report out this fall!
## Complete Resource List

### UIDP Publications by Audience

<table>
<thead>
<tr>
<th>Publications – Members Only</th>
<th>Sponsored Research Administration</th>
<th>Research Development/Corporate Relations</th>
<th>Lab Director/Department Chair/Dean/VP for Research</th>
<th>Researcher/Scientist</th>
<th>— Primary Audience</th>
<th>— Secondary Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-locating University &amp; Industry Researchers Quick Guide</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
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<td>Commodity Roundtable Workshop Report</td>
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<td>Corporate RFP Quick Guide</td>
<td><img src="image13" alt="Image" /></td>
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<td><img src="image18" alt="Image" /></td>
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<td>Federal Flow-Down Reference Guide</td>
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<td><img src="image20" alt="Image" /></td>
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<td>IP Quick Guide</td>
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<td>Master Research Agreements Guide</td>
<td><img src="image31" alt="Image" /></td>
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<td>National Lab Quick Guide</td>
<td><img src="image37" alt="Image" /></td>
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<td><img src="image47" alt="Image" /></td>
<td><img src="image48" alt="Image" /></td>
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<tr>
<td>New Models for UI Collaboration</td>
<td><img src="image49" alt="Image" /></td>
<td><img src="image50" alt="Image" /></td>
<td><img src="image51" alt="Image" /></td>
<td><img src="image52" alt="Image" /></td>
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<td>Partnership Continuum</td>
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<td>Researcher Collaborative Visits</td>
<td><img src="image61" alt="Image" /></td>
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<td>UDP Perspectives: IP &amp; UI Relations</td>
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<td><img src="image68" alt="Image" /></td>
<td><img src="image69" alt="Image" /></td>
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<tr>
<td>UDP Perspectives: Strategic UI Partnerships</td>
<td><img src="image73" alt="Image" /></td>
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<td>UDP Perspectives: Cost &amp; Value of Sponsored Research</td>
<td><img src="image79" alt="Image" /></td>
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<td>UDP Perspectives: Why Work Together</td>
<td><img src="image91" alt="Image" /></td>
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<td>UDP21: Meeting Recap Report</td>
<td><img src="image103" alt="Image" /></td>
<td><img src="image104" alt="Image" /></td>
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### Publications – Public

- Accelerated Clinical Trial Agreement (ACTA)
- Case Studies in UI Collaboration (Pre-2014)
- Catalyzing UI Engagements Workshop Report
- Competing Internal Structures Guide
- Contract Accords
- Guiding Principles for University-Industry Endeavors
- Ideas to Innovation: Healthcare Research Workshop Summary
- Ideas to Innovation: Service Innovation Workshop Summary
- Living Studies in UI: Negotiations
- Principled Partnerships Quick Guide
- Researcher Guidebook + Quick Guide

### About THE UIDP

Membership in the UIDP makes my job easier by providing me access to resources that help me solve difficult problems at my desk, day in and day out.

At the UIDP, we have different perspectives and one focus: improving university-industry (UI) partnerships. The UIDP is a unique project-oriented forum where representatives from academia and industry seek opportunities to develop new approaches to working together. Our membership comprises some of the best innovation companies and leading research universities in the world, organizations committed to active participation in pursuit of excellence in UI collaboration and partnership. At the UIDP, we don’t just talk about problems, we solve them. www.uidp.org • info@uidp.net

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UIDP © 2017
Anyone from a UIDP member organization can register for a login

- Up-to-date project information
- Access to electronic copies of all UIDP resources
- Archived webinars & meeting materials
- Contact information for UIDP member representatives
UIDP Industry
Member Survey
CONTRACT

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ASU SkySong Facility
Scottsdale, AZ
November 13-14, 2017

• Introductory and advanced tracks

• AAU, COGR and Council on Competitiveness Partners- *Members can attend*
Contracting Forum Steering Committee

- Elizabeth Adams - UVa
- Carolyn Brougham – Northwestern
- Bill Catlett - UT
- Phil Clare - Oxford
- Carlos Encinas - ASU
- Linda Duffy - CMU
- Steve Harsy - Arizona
- Sophia Herbert-Peterson – Ga Tech
- Linda Learned - Illinois
- Paul Lowe - KSU
- Mike Ludwig - Chicago
- Sally O'Neil - Stanford
- Jennifer Ponting - Harvard
- Charles Adelshein – Varian
- Susan Capello – Intel
- Brea Hutchcraft-May – Monsanto
- Nafiz Karabudak – Lockheed Martin
- Mark Schmidt - Deere
- Charri Vorndran-Jones – Eli Lilly
- Lisa Weller - Boeing
- Wendi Yajnik – Sanofi
- Bob Hardy – COGR
- Toby Smith - AAU
Contracting Forum – Topics

- Differences in University Culture and Industry Business Interests and the Impact on Working Together
- Gift Agreements
- Toolkit Agreements To Accelerate Negotiations (i.e., Lambert)
- Tax Exempt Bonds
- New Contracting Models
- Building a budget for a project funded by industry
- Consortia - Different Arrangements and Sponsors
- Master Agreements

As well as breakout and track sessions
UIDP Illinois Contracting Study

- Four Schools
- Identify common set of data points
- Release results at Contracting Forum in November
Sept. 25 – 28
Wayne State University
Detroit, MI
Register now at uidp.org.