



Strengthening
University-Industry
Partnerships

UIDP Resources Session

Helping members do their day jobs better

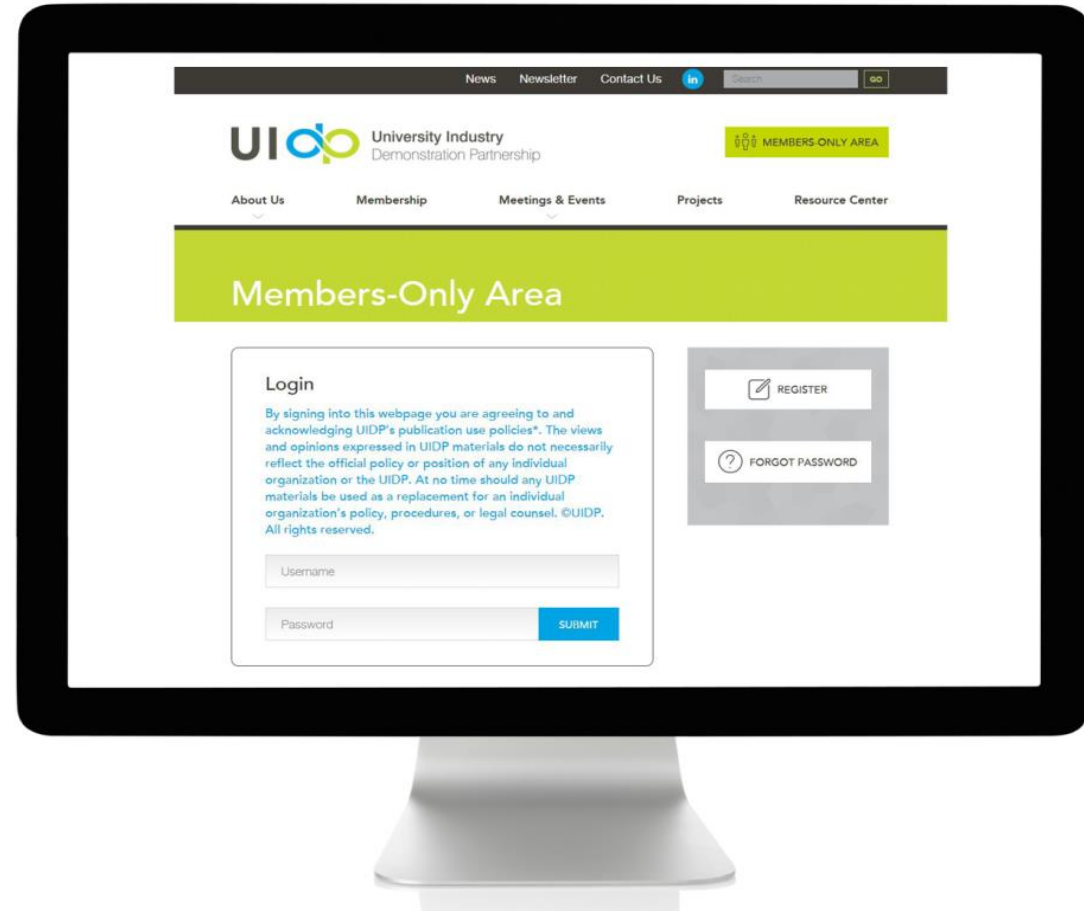


UIDP has developed a large repository of information to help you and your colleagues (maybe not *this* large yet)



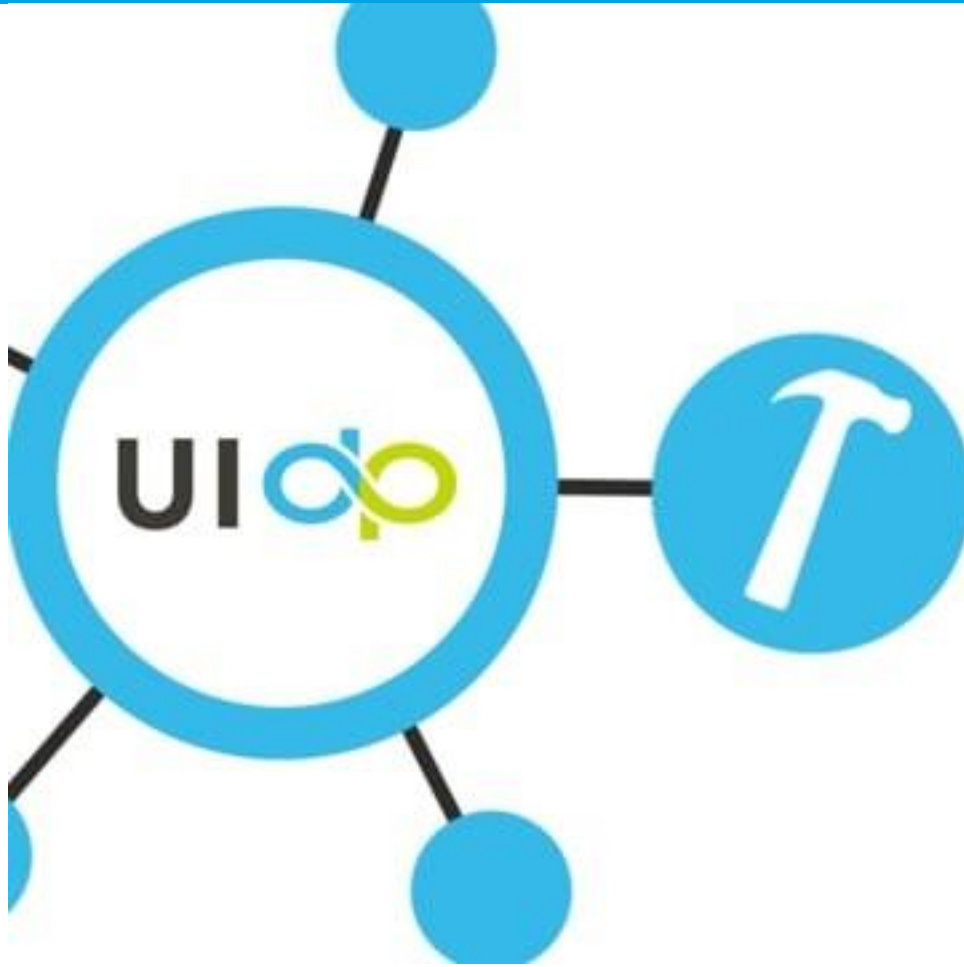
Content Type

- Articles
- Conference and Workshop Materials
- Podcasts
- PowerPoint Slides
- Published Project Materials
- Recorded Webinars
- Reference Lists
- Survey Results
- Videos



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UIDP Projects

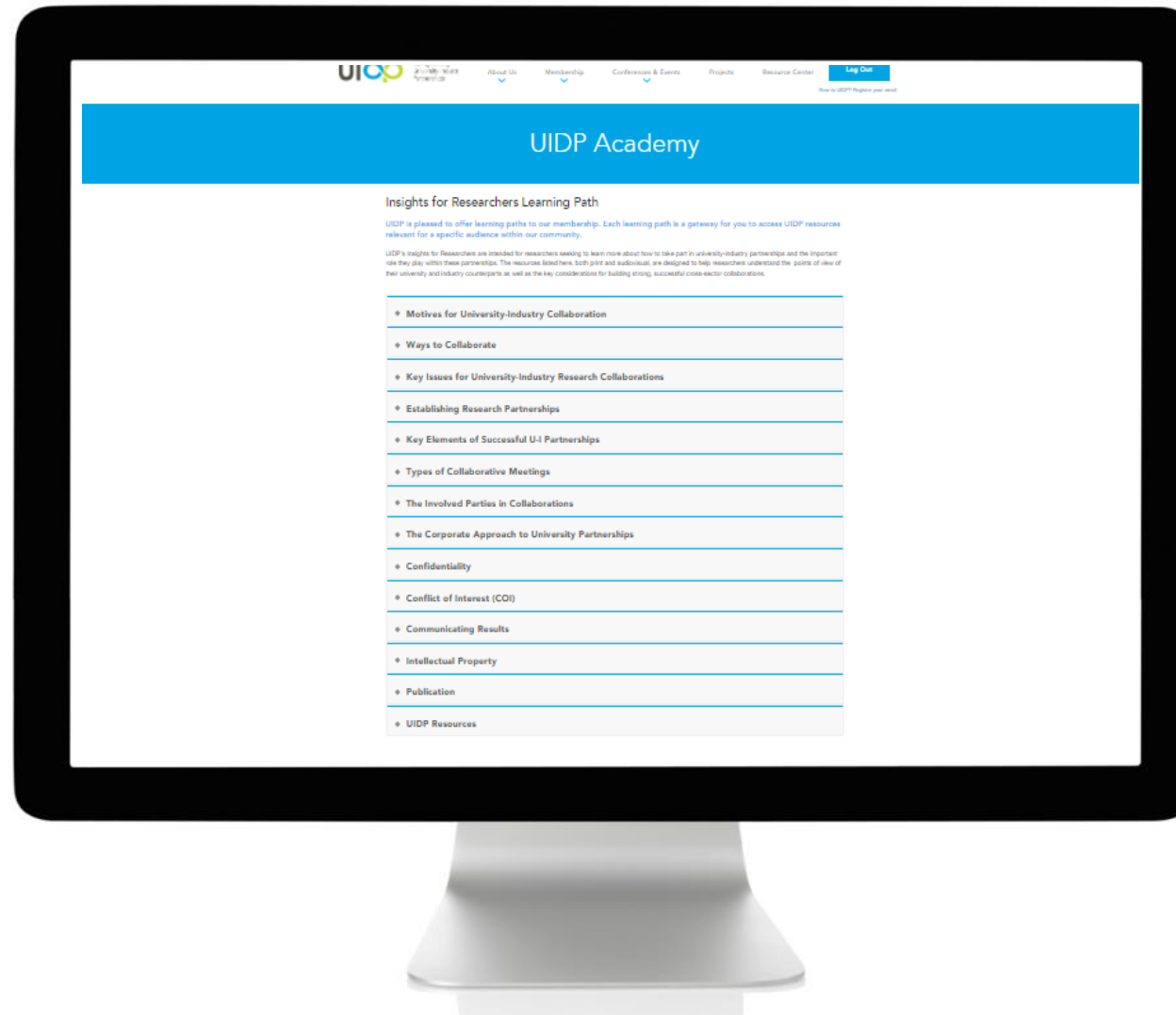


**BUILD
NEW NETWORKS
AND OPPORTUNITIES FOR
FUTURE
COLLABORATIONS**

Source: <https://vimeo.com/197926892>

uidp.org/projects

Insights for Researchers Learning Path



For UIDP member use. Do not

Collaboration Metrics



A menu of metrics that industry and universities can use to evaluate their U-I partnerships, plus how to use them.

Government Funding for U-I Collaborations Guide



Government Funding for U-I Collaborations Guide

Proposes a new approach to the identification of and application for government funding for joint research endeavors.

Contract Accords



Guiding principles on 17 aspects of industry sponsored research agreements

Business Funding List

The screenshot shows the UIDP website's 'Publications & Reports' section. The main heading is 'Business Funding List (2020)'. Below it, a paragraph explains that the list is compiled from NSF data and shows business funding as a percentage of R&D expenditures. A yellow button labeled 'CLICK HERE TO DOWNLOAD' is visible at the bottom left of the main content area. To the right, there are sections for 'Upcoming Events' and 'See the E-Magazine'.

UIDP Strengthening University-Industry Partnerships

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Publications & Reports

Business Funding List (2020)

Using public data from the National Science Foundation and solicited information, the business funding list is a UIDP resource that shows business funding as a percent of R&D expenditures.

UIDP has also updated the University Business Funding list compiled from NSF data. The business funding list uses 2020 data on R&D expenditures for the top 100 NSF ranked schools and UIDP members not included in this group. In addition to calculating the percentage of R&D expenditure funding sourced from industry and ranking universities accordingly, **UIDP has incorporated data from non-U.S.-based universities.** Five universities responded to direct inquiries from UIDP staff with data related to their R&D expenditures and source of funds for FY2019 and FY2020. Non-U.S. university data incorporated into the NSF-provided table was provided by the University of Toronto, Oxford University, Karolinska Institute, KU Leuven, McGill University. We hope that this data will be of use to our university members for comparing how R&D expenditures are funded across the globe.

Please note that the table exhibiting university ranking by R&D expenditures does NOT include a rank for non-US-based universities, as this ranking is sourced from the NSF. However, the universities are identified by R&D expenditure amount. In the table highlighting business as a percentage of funding for R&D expenditures, non-US-based universities are ranked because UIDP generates this ranking. Non-U.S. institutional information is highlighted in orange in both tables for user clarity. Where available, the data source is listed at the bottom of the excel table.

[CLICK HERE TO DOWNLOAD](#)

Upcoming Events

- Mission in Motion: HBCU Engagement with Industry, March 28-29, 2022
- UIDP Face2Face, March 29-31, 2022
- U-I Partnerships in the Social Sciences Workshop, Apr. 20-21, 2022

See the E-Magazine

[U-I CONNECTOR CAREER PATHS](#)

Using public data from the National Science Foundation and solicited information, the business funding list is a UIDP resource that shows business funding as a percent of R&D expenditures

Brief Surveys and Reports



UIDP Projects Survey: Size of Academic R&D Investments from Industry

Oct. to Nov. 2021 | n=20

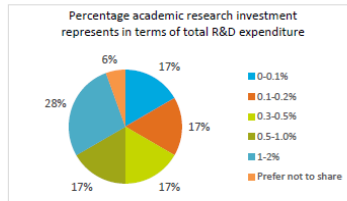
Companies with a keen interest in collaborative research have limited information upon which to base investment levels in external R&D efforts. Although government investment in research is well documented, similar investment from industry is not fully known. UIDP is exploring a benchmarking project to better understand the levers used to determine investment in university-industry research. To inform the project, we asked industry member representatives to offer information about their company's investment in university sponsored research. Respondents were forthcoming about how much they spent on sponsored research and offered important context pertaining to their overall research expenditure.

The survey was in the field for one week and received responses from 20 UIDP member companies across a range of sectors. The largest proportion of respondents were from the tech sector (40%), followed by the chemical sector (20%). Other sectors represented were information, manufacturing, healthcare, food/consumer products, energy, agriculture, and aerospace. Company size was calibrated by number of employees worldwide; 35% of responding companies (the largest proportion) employ more than 100,000, and the next largest segment (30%) employ 50,000-100,000, indicating that a majority of respondents represent very large organizations. However, 10% of respondents were in companies with between 5,000 and 10,000 employees.

In terms of total R&D expenditure, companies by and large spend less than 1% of total research investment in university-sponsored research. Less than one-third of respondents (28%) invest between 1% and 2% on research with university partners, and not a single respondent said they spent more than 2%. It is also worth noting that 6% of respondents preferred not to share this information.

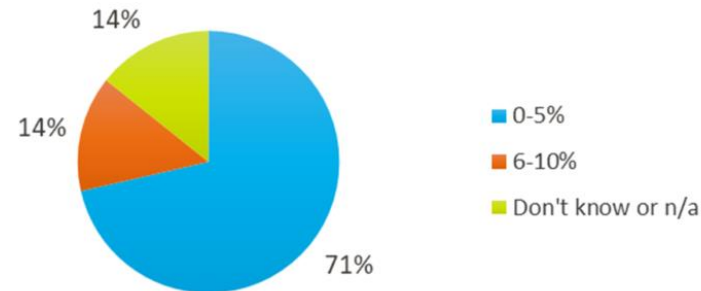
We asked respondents about their annual global expenditure in academic research programs. In dollars, the majority of respondents (60%) spent more than \$5 million annually on university sponsored research. Of those spending the highest amount, a majority (65%) were also among the companies with the most employees (more than 50,000). However, company size does not necessarily correlate with the largest university research expenditures, as 35% of respondents came from companies with between 5,000 and 50,000 employees.

Informal, non-scientific survey of UIDP members. UIDP work product for member use only. Do not distribute or reproduce in any manner.

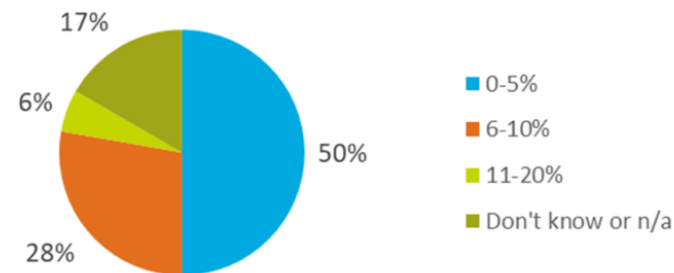


Expenditure Range	Percentage
Less than \$1M	10%
\$1M-\$2M	10%
\$2M-\$3M	10%
\$3M-\$4M	5%
\$4M-\$5M	5%
\$5M+	60%

Tech companies only | Percentage of spending invested internally on admin and implementation of university R&D grant program



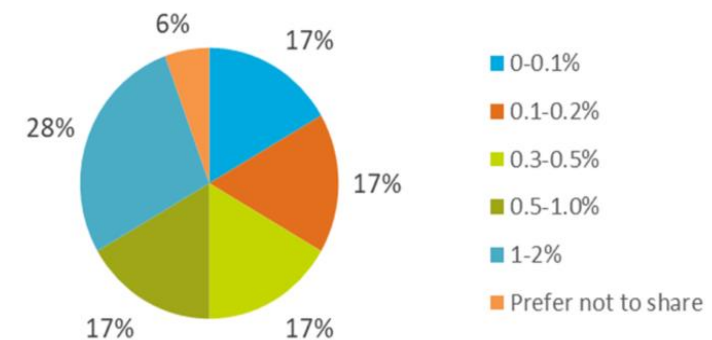
All respondents | Percentage of spending invested internally on admin and implementation of university R&D grant program



Annual global expenditure for academic research programs

Expenditure Range	Percentage
Less than \$1M	10%
\$1M-\$2M	10%
\$2M-\$3M	10%
\$3M-\$4M	5%
\$4M-\$5M	5%
\$5M+	60%

Percentage academic research investment represents in terms of total R&D expenditure



Strengthening University-Industry Partnerships

UIDP Webinars



UIDP takes lead in the planning, publicizing, and execution of your live event

- Free and premium webinar offerings for members.
- Promote a program, research center, or RFP
- Contact Abishai Kelkar (Abishai@uidp.net)

<https://uidp.org/uidp-webinars/>

UIDP Academy Webinars



Contracting
Fundamentals
Webinar Series

Essentials for industry-sponsored
research professionals



Robust U-I Collaborations: Insights for Researchers
a UIDP webinar series

Informational Webinars: Features Industry

Open Innovation at Merck KGaA, Darmstadt, Germany

May 12, 2021 | 12 - 1 PM ET



Moderator:
Patrick Limbach
University of Cincinnati



Ulrich Betz
Merck KGaA, Darmstadt,
Germany

Informational Webinars: Features University

The UCL Industry Exchange Network (IXN) - Student Projects with Industry

August 18, 2021 | 1 – 2 p.m. ET



Nerissa Draeger
Lam Research



Graham Roberts
University College
London



Dean Mohamedally
University College
London



Tim Bodley-Scott
University College
London



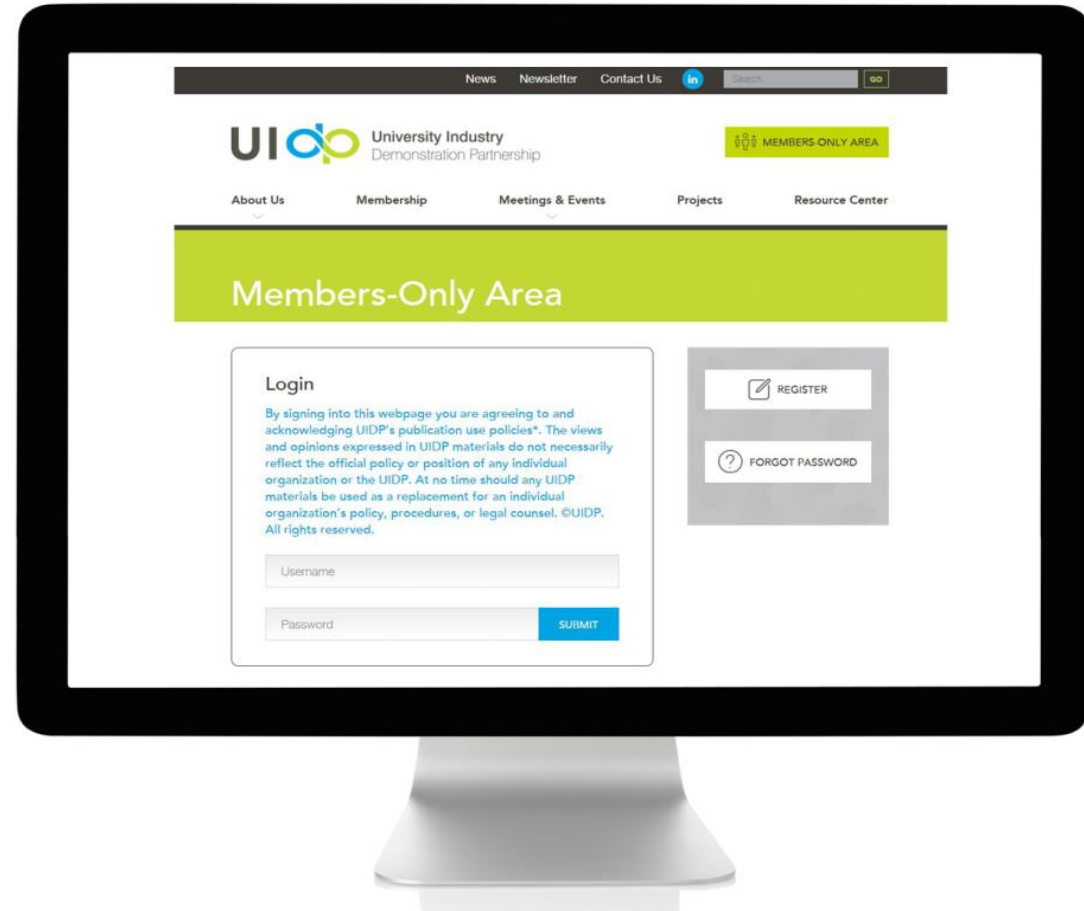
Graca Carvalho
University College
London



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Kansas State University Working with Industry Bootcamp Link

