## Existing RII Faculty Committees

<table>
<thead>
<tr>
<th>Unit Name</th>
<th>Faculty Standing Committee Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona Institutes for Resilience</td>
<td>AIR Design Committee</td>
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<tr>
<td>Arizona Institutes for Resilience</td>
<td>AIR Justice, Equity, Diversity and Inclusion (JEDI)</td>
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<tr>
<td>Arizona Institutes for Resilience</td>
<td>Bridging Biodiversity and Conservation Sciences (BBCS)</td>
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<tr>
<td>Arizona Institutes for Resilience</td>
<td>Center for Climate Adaptation Science and Solutions (CCASS)</td>
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<tr>
<td>Arizona Institutes for Resilience</td>
<td>Climate Assessment for the Southwest (CLIMAS)</td>
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<tr>
<td>Arizona Institutes for Resilience</td>
<td>Institute for Energy Solutions (IES)</td>
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<tr>
<td>Arizona Institutes for Resilience</td>
<td>Desert Laboratory at Tumamoc</td>
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<tr>
<td>Arizona State Museum</td>
<td>Continuing Status and Promotion</td>
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<tr>
<td>Arizona State Museum</td>
<td>Market Adjustment Committee</td>
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<tr>
<td>Arizona State Museum</td>
<td>Annual Evaluation Committee</td>
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<tr>
<td>Arizona State Museum</td>
<td>Bylaws and Standing Rules</td>
</tr>
<tr>
<td>BIOS Institute</td>
<td>Member Advisory Board</td>
</tr>
<tr>
<td>BIOS Institute</td>
<td>Annual review committee</td>
</tr>
<tr>
<td>Conflict of Interest</td>
<td>Institutional Review Committee</td>
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<tr>
<td>Conflict of Interest</td>
<td>Executive Review Committee</td>
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<tr>
<td>Institute for LGBT Studies</td>
<td>The Institute for LGBT Studies Faculty Advisory Committee</td>
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<tr>
<td>Institute for LGBT Studies</td>
<td>TSRC Faculty</td>
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<tr>
<td>Research Integrity Program</td>
<td>University Committee on Ethics and Commitment</td>
</tr>
<tr>
<td>Research Laboratory &amp; Safety Services</td>
<td>Institutional Biosafety Committee (IBC)</td>
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<tr>
<td>Research Laboratory &amp; Safety Services</td>
<td>Laser Safety Committee (LSC)</td>
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<tr>
<td>Research Laboratory &amp; Safety Services</td>
<td>Radiation Safety Committee (RSC)</td>
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<tr>
<td>Research Laboratory &amp; Safety Services</td>
<td>Lab &amp; Chemical Safety (projected to charter in 2021)</td>
</tr>
<tr>
<td>Tech Launch Arizona</td>
<td>Intellectual Property Policy Committee</td>
</tr>
<tr>
<td>Tumamoc Hill</td>
<td>Tumamoc Hill Advisor Council</td>
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<tr>
<td>Tumamoc Hill</td>
<td>Desert Laboratory Plant Ecology Working Group</td>
</tr>
<tr>
<td>University Animal Care</td>
<td>Continuing Status and Promotion</td>
</tr>
<tr>
<td>University Core Facilities</td>
<td>MicroNano Fabrication Center</td>
</tr>
<tr>
<td>University Core Facilities</td>
<td>UA Genetics Core</td>
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<tr>
<td>University Core Facilities</td>
<td>TBIR - 3T</td>
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<tr>
<td>University Core Facilities</td>
<td>TBIR - 7T</td>
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<tr>
<td>University Core Facilities</td>
<td>TBIR - High Resolution Ultrasound (Vevo)</td>
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<tr>
<td>University Core Facilities</td>
<td>Imaging Cores LSN and Marley - Optical Microscopy</td>
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<tr>
<td>University Core Facilities</td>
<td>Imaging Cores LSN - Electron</td>
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<tr>
<td>University Core Facilities</td>
<td>Analytical &amp; Biological Mass Spectrometry (co-operated as UACC Proteomics Shared Facility)</td>
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<tr>
<td>University Core Facilities</td>
<td>Flow Cytometry Shared Resource (Oversight Committee; co-managed with UACC)</td>
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<tr>
<td>University Core Facilities</td>
<td>Functional Genomics Core (co-managed with AZ Drug Discovery, College of Pharmacy)</td>
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RII Faculty Advisory Council (RIIFAC); kicking off 01/01/2021

- Standing committee charged with advising the Senior Vice President for Research & Innovation on matters pertaining to UArizona research activities

- Monthly meetings, members must attend 60%

- Composition
  - 2-year service, supported by RII office staff
  - 15-20 faculty members nominated by their dean/directors and approved by RII
  - Members must be participants in active research programs and demonstrate keen interest in research advancement and/or innovation at the UA
  - Ex-officio members: Chair or member designated by each of the chair of the Research Policy Council and the chairs of Strategic Planning and Budget Advisory Committee
ITHAKA Report 1/1/2020
Senior Research Officer Challenges

- Evolution from service to professional model, driven largely by growth in complexity, competitiveness, increasing need for external partnerships, compliance mandates, impact & reputation mandates, infrastructure costs and securing new, large, multi-disciplinary and/or more sustainable funding

- Strategies to develop research and innovation success have challenges associated with:
  - Responding to critical or immediate events
  - Developing approaches for Grand Challenges: partnerships, consortia, etc
  - Limited resources / focus on revenue models & fundraising
  - Heightened compliance responsibility & accountability
  - Increasing and articulating impact, influence funders & stakeholders
  - Research support – avoiding diminishing returns
WHAT ARE F&A COSTS? *
When universities perform research on behalf of the federal government through agency grants, contracts, or other agreements, "Facilities and Administrative" (F&A) costs are incurred (often "indirect costs" in vernacular).

WHAT IS F&A RECOVERY?
Funds are recovered from granting agencies as reimbursements to support the University for the costs of services and infrastructure provided in order for grants and contracts to operate with minimal overhead costs.

COLLEGE/RCU DISTRIBUTIONS INCREASE FASTER THAN CENTRAL

<table>
<thead>
<tr>
<th>Year</th>
<th>Central</th>
<th>College/RCU</th>
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<tbody>
<tr>
<td>2015</td>
<td>$55.1M</td>
<td>$18.4M</td>
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<tr>
<td>2016</td>
<td>$54.9M</td>
<td>$16.6M</td>
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<tr>
<td>2017</td>
<td>$55.7M</td>
<td>$22.6M</td>
</tr>
<tr>
<td>2018</td>
<td>$56.2M</td>
<td>$26.2M</td>
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<tr>
<td>2019</td>
<td>$57.5M</td>
<td>$35.5M</td>
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</tbody>
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2019 COLLEGE/RCU, CENTRAL, AND RII UNITS SHARE THE FUNDS

SERVICES FROM RII
- Research, Innovation, and Impact (RII)
- Sponsored Projects Services and Contracting Services
- Pre- and post-award and contracting services
- Research Development Services
- Complex proposal development
- Compliance
- Human Subjects Protection Program, Conflict of Interest, Export Control, Research Integrity, Privacy, Research Laboratory & Safety Services
- Research Infrastructure
- Core facilities and research space
- University Animal Care
- Animal subject research

BUDGET FOR RII
- RII Operating Budget: $32M
- 23% Funded by F&A
- 77% Funded by Other
- Technology Research Initiative Fund: $20M
- $61M

Total F&A Recovery
- 61.83% Central
- 7.75% SVP Research
- 45.42% Administrative Support
- 2.33% RII Centers & Institutes
- 5.42% RII
- 2.66% Institutional Public Service
- 4.05% Institutional Costs
- 1.95% Student Affairs

FACILITIES & ADMINISTRATIVE (F&A) COSTS // INDIRECT COSTS (IDC)
THE EFFECTS OF RCM
F&A RECOVERY
Investments 2010-2019 enables UArizona to pivot in 2020

- University of Arizona Genetics Core
- University of Arizona Genetics Core
- BIOS Media Facility
- The Arizona Center for Drug Discovery
- Asthma and Airway Disease Research Center
- Data Science Institute

TRIF & THE UNIVERSITY OF ARIZONA

The TRIF-funded research infrastructure already in place enabled rapid response by researchers in the BIO5 Institute to tackle COVID-19

**MARCH 23**
Labs pivot to produce and ship 15,615 diagnostic test kits, including 250 to Navajo Nation

**MARCH 21**
Health Sciences students assist county health departments inundated with COVID-19 calls

**MARCH 26**
Produces medical-grade hand sanitizer for healthcare workers

**MARCH 27**
Makes 3D printed masks for AZ healthcare workers and first responders

**APRIL 1**
Invents a new respiratory assist device

**APRIL 2**
Tests wastewater across the country to trace coronavirus prevalence

**APRIL 8**
Tracks virus evolution and transmission with the Arizona COVID-19 Genomics Union

**APRIL 15**
Awards $620,000 in TRIF funds to seed 13 research projects to combat Covid-19

**APRIL 16**
 Begins performing diagnostic tests on patient samples

**APRIL 20**
 Launches testing system to gather and provide COVID-19 information

**APRIL 30**
Deploys UArizona-developed antibody test, the most effective in the U.S.

**MAY 18**
Expands antibody testing statewide to 250,000 front line workers testing statewide
Future of Technology and Research Initiative Fund (TRIF)

**CURRENT INITIATIVES**

- Improving Health; Water, Environmental & Energy Solutions; Space Exploration & Optical Sciences; National Security Systems, and Access & Workforce Development

**NEW INITIATIVES, Beginning FY22**

- Health Futures, Resilience Science, National Security Systems, Space Exploration & Optical Sciences, Innovative Technology, and Access & Workforce Development
- Our TRIF allotment could vary year by year

FY20 EXPENDITURES

- Improving Health: 35%
- National Security Systems: 20%
- Water, Environmental and Energy Solutions: 21%
- Space Exploration and Optical Science: 24%
Eye on the Future

RII GOALS

- Anticipate and prepare the UA and our community for future challenges and opportunities
- Expand our impact and influence in the world
- Strengthen our creativity, resilience, and sustainability
Eye on the Future

**RII GOALS**

- Anticipate and prepare the UA and our community for future challenges and opportunities
  - Apply broad and deep collaboration to anticipate and solve problems, produce enduring knowledge and develop our innovation ecosystem
  - Enhance the University’s knowledge and capabilities through strategic investments in multidisciplinary centers & institutes, research & innovation infrastructure and faculty support

- Expand our impact and influence in the world
  - Design for inclusion, equity and diversity in all we do
  - Expand with whom and how we engage and partner
  - Enhance our institutional capabilities in infrastructure, faculty and student support through strategic investments in advanced technologies
  - Enable the UA to embrace innovation and an entrepreneurial mindset

- Strengthen our creativity, resilience, and sustainability
  - Innovate new business models and methods
  - Balance priorities
  - Design for distinctiveness
  - Continuously review governance
  - Ensure optimization of program/division structure
RII AWARDS

- Life on Ancient Earth and Alien Planets: NASA awarded ~$12 million to UA astrobiology researchers Betul Kaçar and Daniel Apai – 2 of 8 awards.

- NSF Convergence Accelerator: 2 awards integrating multi-disciplinary human-centered research by junior faculty Zheshen Zhang (MSE, Op Sci) and Laura Condon (Hydrology & Atmo Science). The only two convergence accelerator awards in Arizona.

- NIH DP2 (New Innovator) Award: Alicia Allen (Clinical Translational Science, Family and Community Medicine, Public Health). First such award (DP2) to UArizona since 2010.

- Institute of Museum and Library Services: Dr. Berlin Loa, (iSchool), Knowledge River: National Impact on Diversity, Equity, and Inclusion in Libraries, Archives, and Museums enhances the UA’s efforts to provide a diverse and inclusive education.
QUESTIONS?

THANK YOU