TEXAS A&M Ā Ň **COUNCIL** of PRINCIPAL INVESTIGATORS







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CPI Newsletter – May 2025

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2024-2025 CPI roster: Chair — Robin Page, Nursing • Vice-Chair — Jorge Alvarado, Engineering • Past Chair — Jessica Bernard, Arts & Sciences • Agriculture & Life Sciences — Giri Athrey, Rodolfo Cardoso, Courtney Daigle, Bruce Herbert, Sarah White-Springer, Guoyao Wu • AgriLife Extension — Tim Hartmann, Jamie Rae Walker • AgriLife Research — Katie Lewis, Anil Somenahally, Qingwu Xue • Architecture — Michelle Meyer • Arts & Sciences — Janet Bluemel, Rebecca Brooker, Mary Campbell, Jessica Fitzsimmons, Jean-Luc Guermond, Wenshe Liu, Annmarie MacNamara, Theresa Morris, Henry Potter • BUSH - Laura Dague • Dentistry - Hua Zhang • Education & Human Development - Paul Hernandez, Gwendolyn Webb • Engineering — Daniel Alge, Jorge Alvarado, Suman Chakravorty, Jaime Grunlan, Drew Hamilton, Tracy Hammond, Xingmao 'Samuel' Ma, Jean Ragusa, Nitesh Saxena* (*alt. for Daniel Jiménez) ● Law – Felix Mormann ● Mays Business — Katy Lane ● Medicine — Helene Andrews-Polymenis, Sanjukta Chakraborty, Shannon Glaser • Performance, Visualization & Fine Arts — Courtney Starrett • Pharmacy — Dai Lu • Public Health — Gang Han • TAMU at Galveston — Irfan Khan • TAMU at Qatar — Nimir Elbashir • TEES — Keith Biggers, Nathan Tichenor • TTI — Edith Arámbula Mercado, Brianne Glover, James Kovar • University Libraries — Laura Sare • Veterinary Medicine — Joe Arosh, Dana Gaddy, Jamie Thompson

Update from Dr. Robin Page, 2024-2025 CPI Chair

May CPI News – The Council of Principal Investigators Executive Committee (CPI-EC) met on Wednesday, May 7, 2025. Discussions during the CPI-EC meeting with the administrative leadership began with Dr. Costas Georghiades and Mr. Michael Hardy providing a federal update. Mr. Hardy will be providing an update at the May 14, 2025 CPI General Meeting. All PIs can continue to stay up-to-date on what is happening at the federal level by going to the Government Relations website <u>Home | Office of Government Relations</u> as well as seeing any recent Federal Policy Changes <u>Federal Policy Changes | Office of Government Relations</u>.

Mr. Clint Merrit, Mr. John McCall and Mr. Kyle Metcalf with the Division of Finance and Business Services, Financial Management Operations heard many concerns and frustrations, burdens regarding the time loss PIs are experiencing during the Emburse/Chrome River transition. They noted to the CPI-EC they are working diligently on all concerns and specific problems that are being reported. They noted that there is a resource section with General FAQs available to everyone <u>Frequently Asked Questions | Emburse Expense</u>. If any researcher has some specific issues within their respective System Agency, PIs are asked to contact their appropriate resource person utilizing the <u>Contact information for Emburse Expense</u> by <u>entity. | Emburse Expense</u>. As always, CPI recommends PIs letting their CPI Representatives know of these problems/issues or PIs can contact the CPI Chair directly at <u>CPI@tamu.edu</u>.

Ms. Cynthia Olvera, Division of Risk, Ethics and Compliance, heard concerns about University Youth Protection (UYP) items related to IRB submissions and potential additional training, and requirements for research staff. Ms. Olvera noted that UYP and the <u>University Rule, 24.01.06.M1 Campus Programs for Minors</u>, encompasses a wide spectrum of programs for minors sponsored by Texas A&M University to provide a safe environment and meaningful experience for participants. Noting not all minor programs have the same risk level, if there are research programs PIs have that are experiencing frustrations/concerns with the new training requirements, please check out the newly updated website <u>University Youth Programs</u> - <u>Home - University Youth Programs</u> noting the Requirements by Tier by CPMs. If additional assistance is needed for specific research programs or concerns, Ms. Olvera indicated that she would welcome researchers/PIs to reach out to her office for additional assistance <u>Contact Us - University Youth Programs</u>.

All PIs are highly encouraged to communicate with their CPI representatives, <u>https://cpi.tamu.edu/council-membership/council-membership/2024-2025-council-membership/</u>, to bring forward items of concern or interest for the research community. The CPI Executive Committee continues to meet monthly with President Welsh, Provost Sams, interim Vice President for Research, and other Texas A&M and System administrative leadership. I welcome thoughts, concerns, issues and agenda topics that impedes research efforts to all principal investigators within the research infrastructure within the Texas A&M University System. You are welcome to bring research-related issues (and solutions) to my attention at <u>CPI@tamu.edu</u>, or to any of the CPI Representatives.

The monthly CPI General meetings are also recorded, details can be found at <u>https://cpi.tamu.edu/meetings/general-meetings/2024-2025-general-meeting-schedule/</u>. The next scheduled CPI General Meeting will be Wednesday, June 11, 2025.

Faculty Fellows Application – Due June 2

The Division of Research is requesting applications for two Faculty Fellows. Fellows will gain administrative and leadership experience and assist the Division of Research with specific initiatives:

Strategic Partnerships

This position, which reports to the Associate Vice President for Research, Strategic Initiatives, will work with relevant units at Texas A&M University to advance research development and strategic partnerships. Specifically, the fellow will support the advancement of strategic initiatives, industry/community engagement, private-sector partnerships and other efforts to enhance research funding from varied sources.

Core Facilities

This position, which reports to the Associate Vice President for Research, Centers and Institutes Management, will work with relevant units at Texas A&M to advance core facilities operations in order to enhance the research ecosystem at Texas A&M. Specifically, the fellow will work with core facility directors and stakeholders to advance and support a university-wide tiered management structure of core facilities, assess gaps in core facilities and identify opportunities for regional core facility networks.

The Faculty Fellow positions are funded at 25% effort distributed over 11 months. Funding for the positions is for one year from the start date with the understanding that the position is renewable pending available funding and overall satisfactory performance. The positions are open to current Texas A&M associate or full professors.

Interested parties should send an email to <u>vpr@tamu.edu</u> and include the following:

- Name, date, contact information, academic title, department, and college or school.
- A brief, one-page expression of interest in the specific fellow position.
- Curriculum Vitae (limited to two pages).

The application period closes on June 2, 2025, and review of applications will begin immediately. The anticipated start date for the appointment is August 2025.

Request for Applications: Catalyzing Convergent Research in Multi-Scale Immunity – June 10

The goal is to stimulate interdisciplinary collaborations and generate preliminary data and proof-of-concept findings that will strengthen the competitiveness, foster innovation and coalesce research projects at Texas A&M that align with the vision of exploring immunity at different scales (molecules-cell-tissue-organ-system) in health (WHOLE-Immune). This pilot program strongly encourages projects that embody convergent research – integrating knowledge, techniques, and expertise from different disciplines to address complex scientific and societal challenges. For more information, see the attached handout or questions may be directed to researchdevelopment@tamus.edu – with "RFP Question" in the subject line.

AnSRS4U presentation: Export Controls & Prohibited Technologies - June 26

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TAMU Sponsored Research Services (SRS) will host an AnSRS4U Presentation, Export Controls & Prohibited Technologies, - Thursday June 26, from 10:00am to 11:00am via Zoom. Presented by Lauren Douglas, Office of Research Security and Export Controls, Paul Wiggins, Information Technologies, and Jose Mancha, Research Technology Services.

This presentation will be recorded and available here a few days after the presentation. Register in advance for this meeting at https://tamu.zoom.us/meeting/register/WLAEz1iWRCGwdoPAICwA1w

After registering, you will receive a confirmation email containing information about joining the meeting.

High Risk Global Engagements and High-Risk International Collaborations

Pursuant to System Regulation <u>15.05.04</u>, *High Risk Global Engagement and High Risk International* <u>Collaborations</u>, the following countries, regions, or regimes are defined as "Countries of Concern." This list includes those stipulated in <u>Executive Order GA 48 by the Governor of the State of Texas</u>.

- China (including Hong Kong and Macau)
- Cuba;
- Iran;
- North Korea;
- Russia; and
- Venezuelan politician Nicolás Maduro (Maduro Regime).

Please note that Macau has returned to the above list. Please feel free to reach out to <u>exportcontrols@tamu.edu</u> with any questions.

Department of Energy (DOE) Research Security Training Deadline – Other Funding Agency Deadlines Expected Soon

Those researchers who will be submitting Department of Energy (DOE) proposals on or after May 1, 2025 are required to complete research security training PRIOR to proposal submission. This applies to all Covered Individuals, including any principal investigator (PI); project director (PD); co-principal investigator (Co-PI); co-project director (Co-PD); project manager; and any individual regardless of title that is functionally performing as a PI, PD, Co-PI, Co-PD, or project manager, as well as anyone designated by DOE. To meet this requirement, course 2114875 : Research Security Training (Combined) is now available in TrainTraq and will meet this requirement; however, if you have previously taken all four National Science Foundation (NSF) training modules (TrainTraq courses 2114744 NSF Introduction to Research Security; 2114745 NSF The Importance of Disclosure; 2114746 NSF Manage & Mitigate Risk; and 2114747 NSF The Value of International Collaboration) please know that this will also meet DOE's training requirement. Please note that Covered Individuals must certify via their Current and Pending Support disclosure that they have completed research security training. SRS must also certify that all Covered Individuals who are listed on the application have completed the training prior to submission.

As a reminder, research security training is mandated for individuals involved in federally funded research by U.S. federal regulations such as the <u>CHIPS and Science Act</u> and <u>National Security Presidential</u> <u>Memorandum 33</u> (NSPM-33).

While the first federal agency to implement this requirement is DOE it is important to note that all federal funding agencies will soon require research security training. We are currently awaiting further guidance from other federal funding agencies and anticipate their requirements coming out soon.

More information regarding DOE's research security training requirement may be found on their website.

If you have any questions, please reach out to your respective compliance offices as follows: TAMU <u>exportcontrols@tamu.edu</u> TEES <u>researchcompliance@tees.tamus.edu</u> AgriLife <u>exportcontrols@ag.tamu.edu</u>

Updates on National Science Foundation (NSF) Priorities

Sethuraman Panchanathan, Director of the U.S. National Science Foundation issued a statement regarding updates on NSF priorities which can be read on their website <u>here</u>.

NSF's broadening participation activities, including activities undertaken in fulfillment of the Broader Impacts criterion, and research on broadening participation, must aim to create opportunities for all Americans everywhere.

These efforts should not preference some groups at the expense of others, or directly/indirectly exclude individuals or groups. Research projects with more narrow impact limited to subgroups of people based on protected class or characteristics do not effectuate NSF priorities. Investigators should prioritize the first six broader impacts goals as <u>defined by the America COMPETES Reauthorization Act of 2010</u>:

(1) Increasing the economic competitiveness of the United States.

(2) Advancing of the health and welfare of the American public.

(3) Supporting the national defense of the United States.

(4) Enhancing partnerships between academia and industry in the United States.

(5) Developing an American STEM workforce that is globally competitive through improved prekindergarten through grade 12 STEM education and teacher development and improved undergraduate STEM education and instruction.

(6) Improving public scientific literacy and engagement with science and technology in the United States.

(7) Expanding participation of women and individuals from underrepresented groups in STEM - Investigators wishing to address goal seven must ensure that all outreach, recruitment, or participatory activities in NSF projects are open and available to all Americans.

Guidance on Salary Limitation for Grants and Cooperative Agreements FY 2025

NIH NOT-OD-25-085, released April 3, 2025.

As a reminder, effective October1, 2024, this mandate applies to both direct salaries (individuals working directly on NIH projects) and indirect salaries (executive salaries in various uncapped cost pools). The mandate appears in the annual appropriation act that provides authority for NIH to incur obligations for a given Fiscal Year (FY). HHS/NIH has not received an FY 2025 appropriation and is operating under a Continuing Resolution, the "Full-Year Continuing Appropriations and Extensions Act, 2025 (Public Law 119-4)", that applies the terms and conditions of the Consolidated Appropriations Act, 2024.

The Consolidated Appropriations Act, 2024 restricts the amount of direct salary to Executive Level II of the Federal Executive pay scale. The Office of Personnel Management recently released new salary levels for the Executive Pay Scale. Effective January 1, 2025, the salary limitation for Executive Level II is \$225,700.

For active awards, including awards that have been issued in FY 2025 (continuation and new) that were restricted to Executive Level II, if adequate funds are available, and if the salary cap increase is consistent with the institutional base salary, recipients may re-budget funds to accommodate the current Executive Level II salary level.

Updated NIH Processes for No-Cost Extensions

NOT-OD-25-110, May 7, 2025

This notice alerts the extramural community that NIH has temporarily disabled the No-Cost Extension functionality in eRA Commons. The Director of NIH has directed NIH staff to review all existing grants and cooperative agreements to ensure that NIH awards do not fund off-mission activities or projects. Therefore,

temporarily disabling the NCE functionality in eRA Commons will allow NIH staff to review and assess all NCE requests to confirm that the activities proposed during the extension align with the NIH mission and agency priorities. At this time, all requests for NCEs must be submitted as a prior approval request in eRA Commons, for NIH review and approval. Requests for activities that do not align with the NIH mission and agency priorities will not be approved.

Updated NIH Policy on Foreign Subawards

NOT-OD-25-104, May 1, 2025

NIH is establishing a new award structure that will prohibit foreign subawards from being nested under the parent grant. This new award structure will include a prime with independent awards that are linked to the prime that will allow NIH to track the project's funds individually, while scientific progress will be reported collectively by the primary institution, under the Research Performance Progress Report. NIH anticipates implementing the new award structure by no later than September 30, 2025, prior to Fiscal Year 2026.

NIH will not retroactively revise ongoing awards to remove foreign subawards at this time. NIH continues to support direct foreign awards. NIH plans to expand this policy to domestic subawards in the future, for consistency in implementing the new award structure.

Effective with the date of this notice and until the details of the new foreign collaboration award structure are released, NIH will not issue awards to domestic or foreign entities (new, renewal or non-competing continuation), that include a subaward to a foreign entity. Additionally, NIH will no longer accept prior approval requests to add a new foreign component or subaward to an ongoing project.

Notice of Updated Effective Date for the 2024 NIH Public Access Policy

NOT-OD-25-101, April 30, 2025

NIH's default position is maximum transparency regarding research and research findings. To achieve these goals, the NIH Public Access Policy requires Author Accepted Manuscripts accepted for publication in a journal, on or after July1, 2025, to be submitted to PubMed Central upon acceptance for publication, for public availability without embargo upon the Official Date of Publication.

The Policy will continue to apply to any Author Accepted Manuscript accepted for publication in a journal that is the result of funding by NIH in whole or in part through a grant or cooperative agreement, including training grants, a contract, an Other Transaction, NIH intramural research, or the official work of an NIH employee. Author Accepted Manuscripts meeting this qualification and with acceptance dates on or after July 1, 2025, are subject to the Policy.

Focus on IACUC Guidelines – Euthanasia of Ectotherms

Institutional Animal Care and Use Committee (IACUC) Guidance on procedural standards for animal activities is available on a wide variety of topics. Investigators are invited to view current IACUC Guidance on the euthanasia of fish, amphibians, and reptiles (TAMU-G-048). IACUC Guidance may be found on the Animal Program web page: <u>https://research.tamu.edu/research-compliance/animals-in-research-and-teaching/iacuc-guidance/</u>. Please contact the Animal Welfare Office at <u>animalcompliance@tamu.edu</u> or 979.845.1828 if you have questions or need assistance with implementing IACUC procedural standards.

Food or Water Restriction or Manipulation

The Animal Welfare Program offers the following tips for Principal Investigators (PIs) that will be using food or water restriction or manipulation. The restriction or manipulation of food and/or water must be described in the animal use protocol (AUP) and only occur for the duration approved by the IACUC. In cases of restriction, animals must also have daily monitoring and weekly (or more frequent) body weight measurements. See recently updated IACUC Guidance TAMU-G-031 Guidelines on Experimental Food or Water Restriction or Manipulation in Research Animals for additional information. IACUC Guidance may be found on the Animal Program web page: https://research.tamu.edu/research-compliance/animals-in-research-and-teaching/iacuc-guidance/. Please contact the Animal Welfare Office at animalcompliance@tamu.edu or 979.845.1828 if you have guestions or need assistance.

Maestro Compliance Authorization for Animal Activities

The Animal Welfare Program would like to remind faculty that both the funding source and associated activities must be included on the approved animal use protocol (AUP) before compliance authorization is granted in Maestro. This may occur by either submitting a new AUP or an amendment to an existing AUP (when appropriate) and including the funding source from the Maestro notification. Instructions for completing an amendment or AUP in iRIS can be found on the iRIS Help Documentation page (authentication required):

https://research.tamu.edu/research-compliance/iris-portal/iris-help-documentation/

Please contact the Animal Welfare Office at <u>animalcompliance@tamu.edu</u> or 979.845.1828 if you have questions or need assistance.

AnSRS4u Presentation Available on Demand: Research Security Updates and Impacts on Researchers

This session covers new federal and state updates related to research security and what researchers should know to remain compliant. Presented by Lesa Feldhousen, Office of Research Security and Export Controls. You have the opportunity to watch it on demand via the SRS website at <u>AnSRS4U – Sponsored</u> <u>Research Services (tamu.edu)</u>

AnSRS4u Presentation Available on Demand: Maestro Updates and Overview of Keywords Searches, Budget Functionality and the Budget Forecasting Project

Maestro – Overview of Keywords Searches, Budget Functionality and the Budget Forecasting Project. Researchers will learn about Maestro researcher portal enhancements. Participants will learn how they can assign keywords to their projects. Pls will learn how they can volunteer for a focus group to provide inputs for the budget forecasting portal. You have the opportunity to watch it on demand via the SRS website at AnSRS4U – Sponsored Research Services (tamu.edu)

Postponing the Date for NIH Common Forms Implementation for Biographical Sketch and Current and Pending (Other) Support

To further support a successful transition to the Common Forms, NIH is postponing the May 25, 2025 implementation for all applications and Research Performance Progress Reports (RPPRs). NIH will issue future Guide Notices outlining the new effective date and additional implementation details as they are

finalized. NIH applicants and recipients must continue to use the current NIH Biosketch and Other Support format pages for applications, Just-in-Time (JIT) and RPPRs.

Central Location to Learn of NIH New Initiatives and Policies

<u>NIH: Implementation of New Initiatives and Policies</u>: This page serves as a central location where you can learn more about the status of changes impacting NIH grants process and plans for implementing new initiatives and policies. <u>https://grants.nih.gov/policy-and-compliance/implementation-of-new-initiatives-and-policies</u>

Responsible Conduct of Research

As outlined in <u>University SAP 15.99.99.M0.04</u>, RCR training is required for students and postdocs participating in research. ALL students and postdocs participating in research are required to complete online <u>CITI RCR Training</u>.

Additionally, externally funded graduate students and all postdoctoral fellows must complete four (4) hours of face-to-face (F2F) training. This training requirement can be met through the following F2F training opportunities:

- June 4, 2025 (11:00am-12:00pm) <u>RCR Collaborative Research: Conflict of Interest/Conflict of Commitment</u>
- June 24, 2025 (10:00am-11:00am) <u>RCR Human Subjects</u>
- June 26, 2025 RESCHEDULED FROM May 15, 2025 (10:00-11:00am) AnSRS4u presentation <u>Export Controls & Prohibited Technologies Updates</u>
- July 1, 2025 (11:00am-12:00pm) <u>RCR Export Controls</u>
- July 16, 2025 (10:00-11:00am) RCR Biosafety
- August 21, 2025 (10:00am-2:30pm) <u>4 Hour In person Workshop: Research</u> <u>Misconduct/Authorship/Peer Review, Research Data Management, Safe Research</u> <u>Environments, and Research Security</u> **(MUST ATTEND ALL 4 HOURS)**

Please visit our <u>website</u> for more detailed RCR training requirements for students and postdocs. Information on 1-hour workshops offered through other departments for RCR credit can be found there as well. Contact <u>RCR@tamu.edu</u> for more information.

GA-48 Implementation Committee Update from CPI Representative Dr. Katy Lane, Mays Business School

<u>Update</u>: We have formed eight (8) sub-committees to thoroughly review each item in the Executive Order GA-48. Responsible units and unresolved questions have been identified. We are also working on a plan for communicating the requirements throughout the university. Our goal is to complete a draft implementation plan by the end of May.

<u>FYI</u>: There is a new process in Workday for <u>Certification of Personal Travel to a Foreign-Adversary</u>. We were asked to share this in our networks.

<u>Question to PIs</u>: We will need to certify that vendors are not listed on the adversaries list. For Capstones, would it be an issue if we recommend that OGC adds a vendor verify requirement to their template? If so, please email Katy Lane at <u>klane@tamu.edu</u>.

TeamDynamix (TDX) Implementation Committee Update from CPI Representative Dr. Katy Lane, Mays Business School

<u>Update</u>: This is the new cloud-based platform being used by TAMU Technology Services. In addition to the IT ticketing tool, the <u>IT Service Portal</u> can be used to find answers, request services, and get service help for programs. So far, we have cataloged 220 service offerings.

<u>Question to PIs</u>: Do you have a TDX enhancement request? If so, please share it with Katy Lane at <u>klane@tamu.edu</u>.

Division Of Research Website for Federal Transition Updates

For the latest updates regarding Federal Transition please be sure to visit the Federal Transition webpage on the DOR website at: <u>https://research.tamu.edu/federal-administration-transition/</u>.

Limited Submission Proposal Opportunities

The Division of Research, Research Development Services, manages and facilitates the limited submission process (LSP) for federal and foundation opportunities for TAMU, AgriLife, TEES, HSC, and Galveston. For more information and a list of limited submission opportunities, visit the <u>Limited Submission Webpage</u>. Don't forget to <u>sign up</u> to receive weekly LS notifications.

If you have any questions, please contact <u>limitedsubmissions@tamu.edu</u>.

Proposal Assistance for Large Multidisciplinary Funding Opportunities

The Division of Research, Research Development Services, offers free assistance to teams pursuing multidisciplinary funding opportunities. To learn more about the types of assistance offered or to request assistance, <u>click here.</u>

Research Bulletin for Principal Investigators

The Division of Research at Texas A&M University publishes a weekly bulletin about research. The Research Bulletin accepts news items about researchers and their teams from the colleges, schools, campuses and agencies within the Texas A&M research enterprise, including honors, funding, presentations, and appearances in news media. To subscribe or unsubscribe to the Research Bulletin, email: research-communications@tamu.edu.

Innovation and Commercialization at Texas A&M University

Follow us on social media @TAMInnovation and <u>subscribe to our mailing list</u> to stay up to date on news and timely information related to innovation and commercialization at The Texas A&M University System.

Texas A&M High Performance Research Computing (HPRC)

HPRC offers an ongoing series of short training courses for beginning, intermediate, and advanced researchers. These short courses are free of charge and available to any employee or student at Texas A&M.

Registration is required <u>here</u>. (Prerequisites: current ACES account or HPRC account)

University Libraries

The University Libraries presents a series of online workshops in research-related subjects (such as managing citations, managing research data, searching databases, and publishing and copyright) for the Texas A&M community. Register <u>here</u>.

Catalyzing Convergent Research in Multi-Scale Immunity Pilot Grant Program Request for Applications

Overview

The goal is to stimulate interdisciplinary collaborations and generate preliminary data and proof-of-concept findings that will strengthen the competitiveness, foster innovation and coalesce research projects at Texas A&M that align with the vision of exploring immunity at different scales (molecules-cell-tissue-organ-system) in health (WHOLE-Immune). This pilot program strongly encourages projects that embody convergent research – integrating knowledge, techniques, and expertise from different disciplines to address complex scientific and societal challenges.

Proposals should clearly articulate how the proposed research transcends traditional disciplinary boundaries and has the potential for significant impact, aligning with a mission to promote the progress of science to advance national health and prosperity.

Targeted Topic Areas

Proposals within the following specific topic areas addressing immunity and health are encouraged:

- 1. **Computational Integration and Health:** Projects focusing on developing and applying computational models, machine learning, and artificial intelligence to integrate multi-scale biological data relevant to health and immunity. This includes but is not limited to, predictive modeling of immune responses and the development of computational tools for analyzing complex datasets from *in vitro* bioengineered models.
- 2. Cytokine Signaling in Immunity and Autoimmunity: Investigations into the intricate roles of cytokine signaling pathways in female-specific immune responses and their dysregulation in autoimmune diseases prevalent. Projects may explore novel cytokine action mechanisms and/or sex-specific differences in cytokine networks.
- 3. **Design and Development of Sensors for Use in Cell Culture Models for Immune Applications:** Projects focused on the creation and validation of innovative sensors (e.g., biochemical, mechanical, optical) for real-time, high-resolution monitoring of immune cell behavior and microenvironmental parameters within engineered cell culture models. This includes the development of novel sensing modalities and their integration into advanced *in vitro* platforms.
- 4. Biomaterials for Immune Modulation and Tissue Engineering: Projects focused on the design, synthesis, and characterization of novel biomaterials with tailored properties to modulate immune cell behavior, support tissue regeneration, and create bio-instructive scaffolds for in vitro models relevant to immunity. This includes exploring stimuli-responsive materials, degradable biomaterials, and materials that present specific biochemical or mechanical cues to immune cells.
- 5. Science Policy and Community Outreach: Projects exploring the policy landscape surrounding health research and the development of effective strategies for community engagement and outreach to raise awareness and advocate for increased research attention in this critical area. This may include development of communication strategies, and the creation of educational resources.

Anticipated Awards and Funding

This pilot grant program is expected to fund 4 awards, each up to \$10,000. The duration of the projects is expected to be 8 months. Funding can be used to support personnel (e.g., undergraduate students, graduate students, postdoctoral researchers, technicians, but not PI effort), supplies, and other direct research costs.

Expected Outcomes

Successful projects are expected to:

- Generate preliminary data and proof-of-concept findings relevant to the WHOLE Immune vision.
- Foster new interdisciplinary collaborations among Texas A&M faculty.
- Strengthen the competitiveness of future external grant applications.
- Contribute to the development of a cohesive research team focused on health through multi-scale immune exploration.

Eligibility

All faculty members at Texas A&M are eligible to apply. Interdisciplinary teams are strongly encouraged.

Submission Information

Applicants must submit a single PDF proposal by email to the <u>researchdevelopment@tamus.edu</u> by June 10, 2025.

Contents and Order: The PDF must include, in order:

- 1. One-page bio highlight relevant experience
- 2. Summary of research interests and alignment (maximum fifteen lines) explain alignment with the call and interest in future collaborations
- 3. Two-page technical narrative (excluding references) describe the project's goals, methods, significance, and fit with the call
- 4. One-page budget and justification, outline requested funds with brief justifications

Format: All documents must use Arial 11-point font, single spacing, and 0.5-inch margins on all sides. The email subject line should read "[Your Last Name] – Pilot Grant Submission." Questions may be directed to researchdevelopment@tamus.edu – with "RFP Question" in the subject line.

Review Process

Proposals will be reviewed by a committee of Texas A&M faculty with expertise relevant to the program's goals and topic areas. Anticipated notification date is July 15, 2025. Review criteria will include:

- Innovation and Potential Impact: The novelty and potential significance of the proposed research.
- Convergence: The extent to which the project may potentially integrate knowledge and expertise from different disciplines.
- Alignment with Program Goals and Topic Areas: The relevance of the proposed research to the goals of this RFA and the specified topic areas.
- Feasibility and Approach: The clarity and feasibility of the proposed research plan and methodology.
- Potential for Future Funding: The likelihood that the project will generate compelling preliminary data for future external grant applications.

Terms of Award

Funded awards are expected to present their research findings to a panel comprising of Texas A&M Faculty in April 2026, and participate in a Texas A&M-wide WHOLE-Immune innovations symposium in May 2026.