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THE UNIVERSITY OF ARIZONA



February 2025

New fellows and showcasing the future of bioscience in Phoenix



Hello Caroline,

We've had an exciting month filled with engaging programming, from tours and student interactions to showcasing the transformative power of bioscience research and workforce development.

We invite the Arizona community to join us for our second annual **Behind BIO5** on April 3. Enjoy an evening of tours, fireside chats, and poster presentations, where we'll give you an inside look at how the BIO5 Institute brings together interdisciplinary researchers to tackle major health challenges. **Register today!**

In this newsletter, meet our newest cohort of BIO5 Postdoctoral Fellows, discover how our events benefit students and industry, and learn how smartphones can be used to detect harmful "forever chemicals."

Featured Stories



BIO5 Institute welcomes 2025 cohort of postdoctoral fellows

Eight exceptional postdoctoral researchers have been selected for the BIO5 Postdoctoral Fellowship, designed to advance interdisciplinary scholars in their career development.

[READ MORE](#)



Empowering future bioscience leaders: Recap of the 17th Annual Student Industry Networking Event

With over 400 people participating in an afternoon of virtual and in-person networking, we asked both University of Arizona students and bioscience industry professionals how the event benefited them.

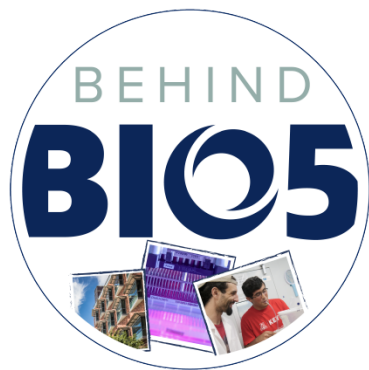
[READ MORE](#)

BIO5 Institute showcases research impact at Fuel Wonder Phoenix

On February 19, BIO5 showcased young innovators, breakthrough technologies, and the future of bioscience.

[READ MORE](#)

Upcoming



Behind BIO5 2025

April 3, 4:30 p.m. to 7:00 p.m.

Keating Building & Bioscience Research Laboratories

Save the date! Join us for an evening of tours, fireside chats, and poster presentations, where we give you an inside look into how we bring together interdisciplinary researchers to tackle grand challenges in health.

[More Information & Registration](#)



Women in STEM 2025

July 12, 11:30 p.m. to 1:00 p.m.

Thomas W. Keating Building Room 103 & Zoom

Come listen to a panel of inspiring women from cross-disciplinary STEM fields share their unique journeys.

More information coming soon!



Research & Innovation Showcase 2025

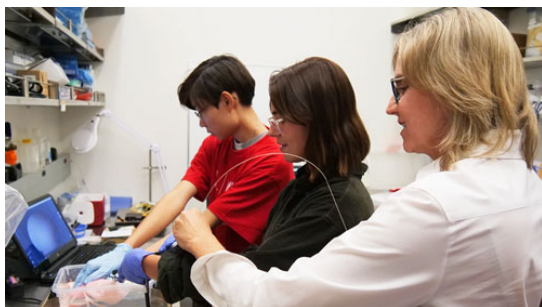
October 14, 2:30 p.m. to 4:30 p.m.

Thomas W. Keating Building Lobby & Room 103

We welcome all University of Arizona faculty, students, and staff to present their research to promote interdisciplinary research collaboration across the university.

[More Information](#)

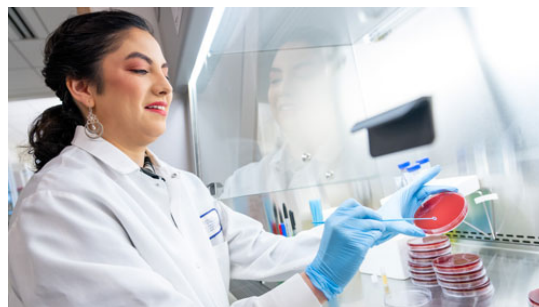
In The News



Faculty innovators named to the National Academy of Inventors

BIO5 members **Jennifer Barton** and **Euan McLeod** were named part of the 2025 class of Senior Members for their remarkable innovation in producing technologies that bring real impact to society.

[Read in Tech Launch](#)



American Cancer Society awards grant to postdoctoral researcher

2023 BIO5 Postdoctoral Fellow **Nicole Jimenez** received a grant to expand research on the relationship of endometrial bacteria with endometrial cancer and tumor characteristics.

[Read in College of Medicine - Phoenix](#)



PFAS beware: Jeong-Yeol Yoon leads development of smartphone detection system

BIO5 member **Jeong-Yeol Yoon** developed an innovative system that uses smartphones and machine learning to detect harmful "forever chemicals," commonly used in nonstick cooking pans and



Catching PHIRE: Students harness informatics, ignite research careers

BIO5 members **Vignesh Subbian** and **Kacey Ernst** lead the Place-based Health Informatics Research Education program (PHIRE) that helps undergraduates become involved in the growing field of health

firefighting foams.

informatics.

[Read in College of Engineering](#)

[Read in U of A Health Sciences](#)

Study from UA and NAU links vaginal microbiomes to higher cervical cancer rates among Native American women

BIO5 member **Melissa Herbst-Kralovetz** and collaborators published the paper as part of a 25-year program focused on Native American health.

[Read in the Arizona Daily Sun](#)

Tracing the cause of eating disorders

BIO5 member **Haijiang Cai** discusses how understanding consumption and emotion could help people coping with anorexia.

[Listen on AZPM](#)

Animal Valley fever vaccine may be available by the end of 2025

BIO5 member **John Galgiani** hopes that once a veterinary vaccine is approved, companies will work to develop a human version.

[Read KJZZ](#)

Behind-the-Scenes



Tours at BIO5

In the first few months of the year, we've welcomed over 200 high school students, industry partners, and community members to our labs and facilities.

During their visits, they learned about the mission of the BIO5 Institute and toured our researchers' labs, where they explored topics like crop science, aging, and precision medicine.

We look forward to hosting more tours and encourage anyone interested in learning more about our work to [**register for Behind BIO5 on April 3!**](#)

Share with a friend!

Like this newsletter? Forward to a friend and follow us on social media to see more news, events, and behind-the-scenes.

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Land Acknowledgment

We respectfully acknowledge the University of Arizona is on the land and territories of Indigenous peoples. Today, Arizona is home to 22 federally recognized tribes, with Tucson being home to the O'odham and the Yaqui. The university strives to build sustainable relationships with sovereign Native Nations and Indigenous communities through education offerings, partnerships, and community service.