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THE UNIVERSITY OF ARIZONA



Hello ,

Join us next week for **[Behind BIO5: Meet the Scientists](#)**, on **April 3, 2024** where you can meet our researchers during an evening of tours, fireside chats, and poster presentations. This event is free and open to the public!

In this newsletter edition, our director assumes presidency of the international society of optics and photonics, UArizona innovators are honored, and learn how 3D imaging plant roots can help us solve agricultural problems.

Featured Stories



Jennifer Kehlet Barton embarks on tenure as president of SPIE, bolstering University of Arizona's global impact

As the BIO5 Institute director assumes her presidency of SPIE, the international society for optics and photonics, in 2024 she propels the international society for optics and photonics into new frontiers and underscores her role as a leader in cutting-edge research and innovation while representing UArizona.

[READ MORE](#)



Revolutionizing liver tissue engineering and transplants

Dr. Ekta Minocha shares how her research on stem cells aims to provide hope and innovative solutions to people suffering from liver disease and cancer.

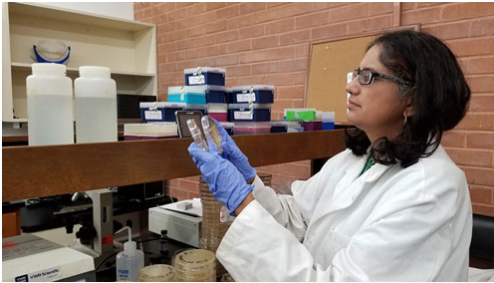
[Listen to Science Talks Episode 52](#)



Pioneering technologies in nanoscience and medicine

Dr. Frederic Zenhausern shares his long and fascinating scientific journey, from rapid DNA testing to organoid-based drug discovery, that spans the ever-evolving landscape of scientific innovation.

[Listen to Science Talks Episode 51](#)



Five UArizona innovators named to the National Academy of Inventors

BIO5 members **Roberta Diaz Brinton, Jeanne Pemberton, Joyce Schroeder, and Sadhana Ravishankar** were selected because of their rising leadership in their fields and success in patenting and commercializing their work.

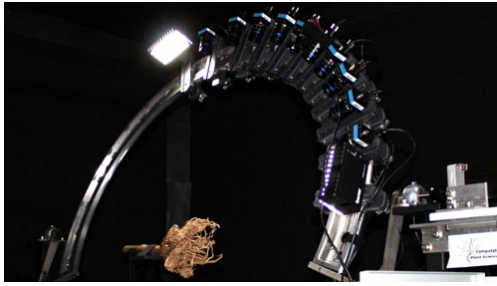
[Read in Tech Launch Arizona](#)



PlanetScape: Fusing art, science and technology

The UArizona Health Sciences SensorLab was transformed into an immersive art exhibit, where visitors “flew” to three different exoplanets and interacted with extreme environments, with the help of BIO5 member **Gustavo de Oliveira Almeida**.

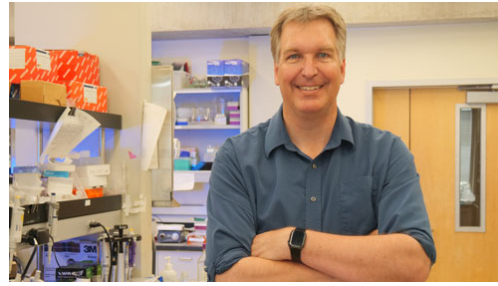
[Read in UArizona Health Sciences](#)



New plant science lab examines how root architecture can shape the future

New BIO5 member **Alexander Bucksch** is connecting plant root shape with agricultural success using state-of-the-art imaging technology.

[Read in the College of Agriculture, Life & Environmental Sciences](#)



Innovative chemical strategy targets mosquito larvae gut to combat spread of deadly diseases

"Coming up with unique targets against mosquito larvae is a powerful tool as resistance continues to develop against the current approaches," said BIO5 member **Michael Riehle**.

[Read in UA News](#)

In The News

Use these 4 steps to break the cycle of unhappiness, wellness expert says

BIO5 member **Floyd "Ski" Chilton** offers insights into achieving happiness through his four-step CAST process outlined in his recent book.

[Read in CNBC](#)

The growing threat of fungal infections

As the threat of fungal infections looms, BIO5 member **John Galgiani** discusses how his team works on a Valley fever vaccine for humans.

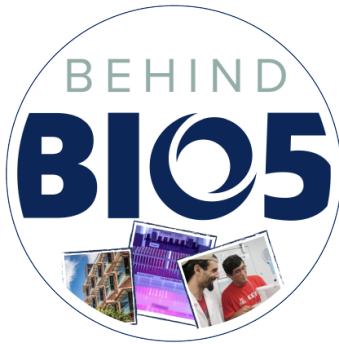
[Read in ABC News](#)

Digital divide: LoRa IoT devices for medical monitoring

BIO5 member **Philipp Gutruf** is working on transmitting data over long distances using low-power technologies to improve health care in rural communities.

[Read in Hello Future](#)

Upcoming



Behind BIO5: Meet the Scientists

April 3, 4:30 p.m. - 7 p.m.

Join us for an evening of tours, fireside chats, and poster presentations. Free and open to the public!

[Tour Registration & Fireside Chat Schedule](#)



BIO5 Inspiring Women in STEM

July 13 - Save the Date!

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



KEYS Research Showcase

July 19 - Save the Date!

Celebrate the end of our unique summer research internship with incredible high school students.

Behind-the-Scenes



It's amazing what coffee and donuts can do to bring researchers together!

Thank you to our 35 faculty, staff, and students in Tucson and 15 in Phoenix for coming to our first "Meet Your Neighbor" on March 27.

We hope these informal gatherings spark a little connection in the busy day of our amazing researchers!



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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. Committed to diversity and inclusion, the University strives to build sustainable relationships with sovereign Native Nations and Indigenous communities through education offerings, partnerships, and community service.