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THE UNIVERSITY OF ARIZONA



Hello ,

Our 2024 KEYS Internship programming came to a close with the 18th Annual KEYS Research Showcase on July 19.

With a record number of over 400 people in attendance at the University of Arizona Health Sciences Innovation Building, we were thrilled to celebrate our 59 interns. They now join 687 alumni from 105 Arizona high schools. [Learn more about how you can support our incredible KEYS internship!](#)

In this newsletter edition, peer into the labs of our KEYS interns, learn about a decades-long study on lung health, and see photos from our recent BIO5 inspiring Women in STEM event!

Featured Stories



Photo gallery from the 18th annual KEYS Research Showcase

The BIO5 Institute hosted the 18th annual KEYS Research Showcase, celebrating the culmination of the KEYS Research Internship for 59 students from 31 Arizona high schools.

[READ MORE](#)



Peer in the labs, microscopes, and computers of our 2024 high school interns

See examples of University of Arizona research projects during the KEYS Research Internship that trains the next generation of innovators.

[READ MORE](#)



Breaking the cycle of unhealing wounds

From heart to lung to skin, Dr. **Carlos Zgheib** balances his career between academic research and biotechnology to develop drugs and therapeutics that not only heal wounds and scars, but can also save lives.

[Listen to Science Talks Episode 57](#)



Tracing volatile organic compounds from trees to soil to microbes

With a passion for the natural world, Dr. **Gemma Purser** shares her path in analytical chemistry and interest in understanding more about our ecosystems.

[Listen to Science Talks Episode 58](#)



Kenry receives junior faculty enhancement award

BIO5 member **Kenry** received the Ralph E. Powe Junior Faculty Enhancement Award from Oak Ridge Associated Universities that provides funds to enrich the research and professional growth of young faculty.

[Read in Coit College of Pharmacy](#)

How your morning oats could help you manage your weight

New research led by BIO5 member and associate professor **Frank Duca** suggests that consuming foods rich in beta-glucan, a type of fiber found in oats and barley, can reduce body weight and obesity.

[Read in UA News](#)



Asthma study tracking Tucsonans from birth into adulthood

BIO5 members **Fernando Martinez**, **Stefano Guerra**, and **Tara Carr** are leading a decades-long study at the U of A Health Sciences Asthma and Airway Disease Research Center that is improving lung health through research.

[Read in Health Sciences](#)



Fish lab designed to spawn human health discoveries

BIO5 member **Frank von Hippel** in the Zuckerman College of Public Health oversees a threespine stickleback fish lab that he believes will create new research collaborations and opportunities to improve human health.

[Read in Health Sciences](#)

In The News

New Tucson study will try therapies to heal long COVID's effect on people's sleep

BIO5 member **Sairam Parthasarathy** wants to help people still feeling the effects of long COVID-19.

[Read in KGUN9](#)

Monsoon storms bring out more mosquitoes

Who is more likely to be bit by a mosquito? BIO5 member **Michael Riehle** provides his entomology expertise.

[Watch on KOLD](#)

Shrinking cyberinfrastructure down to size

Data Science Institute director and BIO5 member **Nirav Merchant** talks about how his research helps people crunch massive amounts of data.

[Listen on AZPM](#)

Upcoming



Wellness & Wonder Day

September 21, 9:00 a.m. to 2:00 p.m.

U of A Health Sciences Campus

Join BIO5 along with colleges and departments for a day of science outreach and community events.

[More Information](#)



Research & Innovation Showcase

October 8, 2:00 p.m. to 4:00 p.m.

Thomas W. Keating Building Lobby & Room 103

With a goal of promoting collaboration across the university, we welcome Arizona faculty, students, and staff to present their research.

[More Information](#)

Behind-the-Scenes



Our BIO5 Inspiring Women in STEM on July 13 was a hit!

We had an engaged crowd of over 30 attendees, including over a dozen KEYS interns, excited to hear from our keynote, Karla Bernal Morales from the Arizona Technology Council, as well as our four panelists.

Our University of Arizona panelists Teodora Georgieva, Brooke Moreno, Shirin Doroudgar, and Marjan Aghajani gave excellent insight on their journey as a woman in STEM.

Share with a friend!

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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.