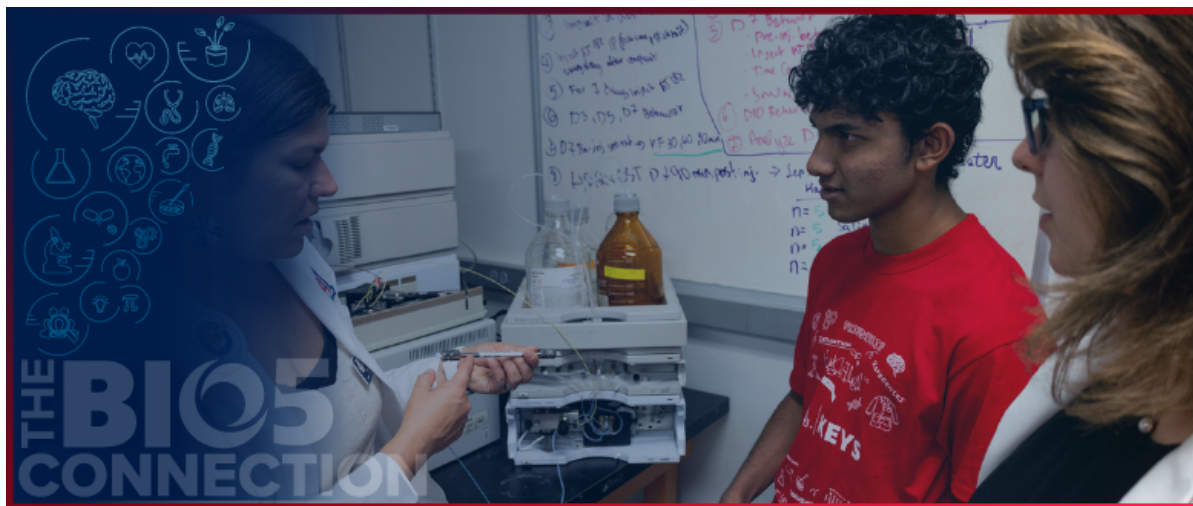


[To view this email as a web page, go here.](#)

THE UNIVERSITY OF ARIZONA



Hello ,

Summer is in full swing with monsoons on the horizon, KEYS Research interns busy with scientific research projects, and exciting events coming up!

Join us next month for exciting events that are free and open to the public: our [BIO5 Inspiring Women in STEM](#) on July 13 and [KEYS Research Internship Showcase](#) on July 19.

In this newsletter edition, meet the 2024 KEYS cohort, learn about research focused on volatile organic compounds in soil, and see our first BIO5-funded Udall Center Fellows!

Featured Stories



KEYS Research Internship welcomes newest cohort for summer 2024

Fifty-nine bright Arizona high school students started their 7-week hands-on research program working with scientific mentors at the University of Arizona BIO5 Institute in early June.

[READ MORE](#)



BIO5 Postdoctoral Fellow secures internal funding to explore the "memory" of soil

Gemma Purser was awarded an internal grant in the lab of BIO5 member **Laura Meredith** that will help expand research on understanding the dynamics of volatile organic compounds in the soil.

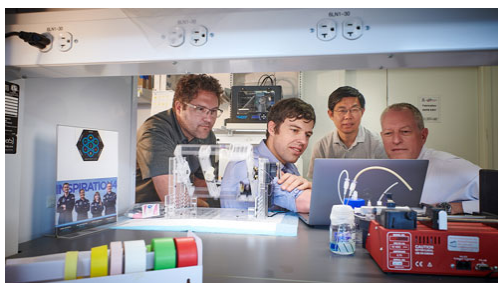
[READ MORE](#)



How regenerative medicine can aid lung disease in babies

Dr. **Vlad Kalinichenko** discusses his role in recruiting the brightest researchers at the UArizona College of Medicine – Phoenix in order to treat premature infants with respiratory conditions.

[Listen to Science Talks Episode 56](#)



Researchers in Phoenix helping to chart the path for the future of commercial space travel

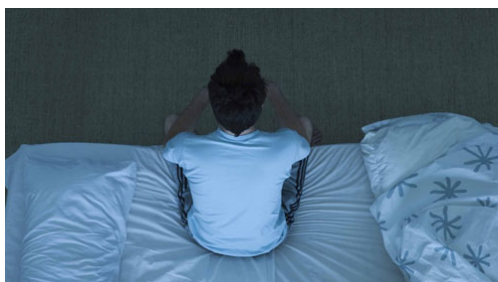
BIO5 member **Frederic Zenhausern** and his team at the UArizona Center for Applied NanoBioscience and Medicine are performing rapid assessments of the physiological and molecular effects of time spent in space.



Farland and Rainbow named Udall Center Fellows

In a first full-time collaboration with the BIO5 Institute, **Leslie Farland** and **Jessica Rainbow** were named Udall Center Fellows. They will study work environment safety for potential childbearing female nurses and how their job impacts their postpartum return to work.

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



The mind after midnight: Study shows disrupted sleep increases risk for suicide and homicide

An analysis by BIO5 member **Michael Grandner** shows that risks for death by suicide and homicide peak at night, with nocturnal wakefulness, alcohol use, age and relationship conflicts being contributing factors.

[Read in UArizona News](#)

[Read in UArizona Health Sciences](#)



Solving Alzheimer's precision medicine questions with data

BIO5 member **Roberta Brinton** and doctoral student **Coco Tirambulo** are leveraging data science to find an early intervention that could help people who have an increased risk of getting Alzheimer's disease.

[Read in UArizona Health Sciences](#)

In The News

Did pandemic lockdowns stunt kids' immune systems long-term?

BIO5 member **Janko Nikolich** and other experts address concerns on how decreased in-person interactions affect children's immune systems.

[Read in Live Science](#)

Smart bandages: First aid that can talk to your doctor and deliver medical treatment

BIO5 member **Geoffrey Gurtner** is developing bandages that cover wounds, communicate with your doctor, and deliver therapeutic pulses of electricity.

[Listen from NPR](#)

UA professor explains the risks and benefits of PFAS — and how to manage them

PFAS are "forever chemicals" that don't break down easily in the environment and can be harmful to humans, BIO5 member **Paloma Beamer** explains.

[Read in KJZZ](#)

Upcoming



BIO5 Inspiring Women in STEM

July 13, 11:30 a.m. - 1:00 p.m.

Thomas W. Keating Building Room 103

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

[Register Today](#)



KEYS Research Internship Showcase

July 19, 9:00 a.m. to 12:00 p.m.

Health Sciences Innovation Building (HSIB)

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

[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 UArizona faculty, students, and staff to present their research.

Behind-the-Scenes



National Selfie Day was June 21st! 🙌

Our KEYS research interns are busy working in labs, listening to science seminars, and attending socials.

Whether it's on a scavenger hunt, during a lunch break, or even in the lab, there's always time for a quick selfie!

We're thrilled to see these bright young innovators enjoying their time on the University of Arizona campus.

Share with a friend!

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

SUBSCRIBE TO NEWSLETTER

This email was sent to: BIO5 members and BIO5 Connection newsletter subscribers.



You are receiving this email from the **University of Arizona's** mailing list.

University of Arizona, 1401 E. University Blvd., Tucson, AZ 85721, US
© Copyright 2024 The University of Arizona. All rights reserved.

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.