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THE UNIVERSITY OF ARIZONA



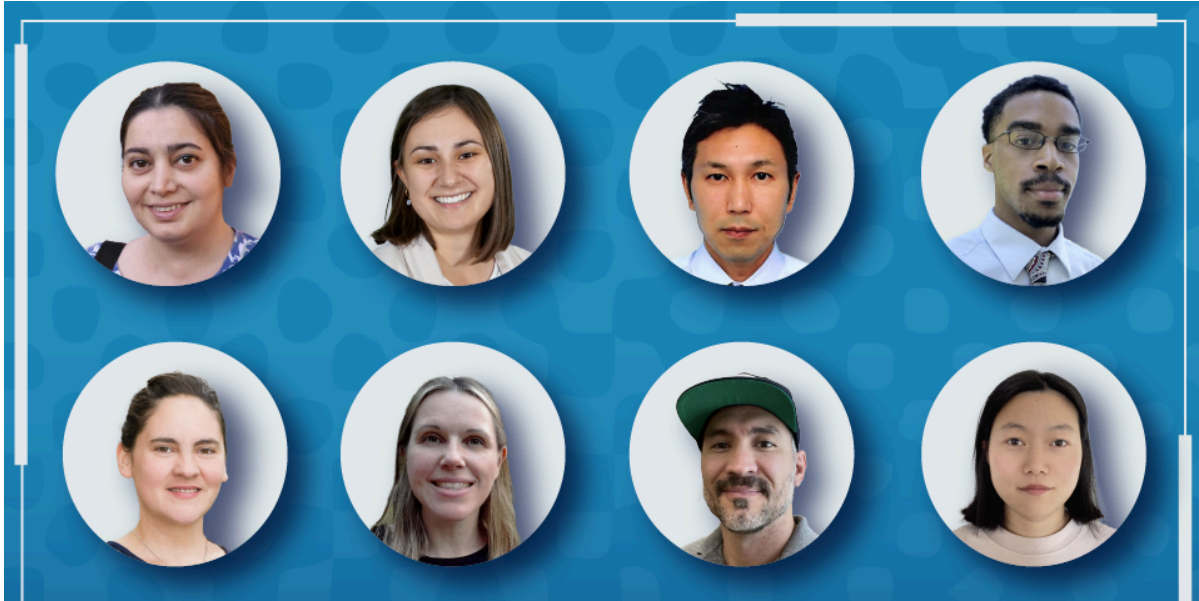
**Hello ,**

We're excited to share the impact of BIO5 Institute with you each month with original stories, news highlights, and upcoming events.

In this newsletter edition, meet our postdoctoral fellows, see exciting KEYS Research Internship updates, learn about the latest treatment for traumatic brain injuries, and see how a new grant holds promises to help premature babies.

Plus we have an exciting event, **[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.

## Featured Stories



## BIO5 Institute announces newest BIO5 Postdoctoral Fellows

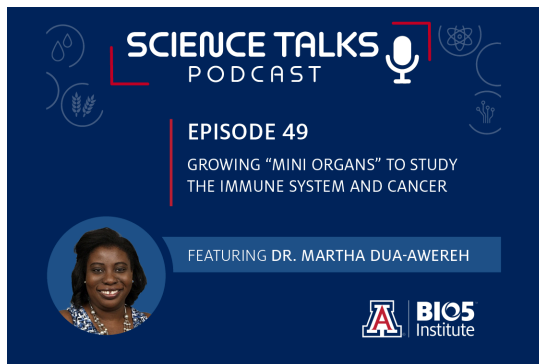
Eight outstanding postdoctoral researchers were awarded the 2024 BIO5 Postdoctoral Fellowship, which aims to propel interdisciplinary researchers to the next stage of their careers.

[READ MORE](#)



## KEYS Research Internship program achieves record number of applicants

This year, the BIO5 Institute's KEYS Research Internship received an unprecedented 430 applications, showcasing a tremendous interest from Arizona's high school students aged 16 and older in the field of bioscience.

[READ MORE](#)

### Growing "mini organs" to study the immune system and cancer

Dedicated to cancer research, Dr. Martha Dua-Awereh examines the interaction between our immune system and cancer cells in hopes of identifying better treatments.

[Listen to Science Talks Episode 49](#)



### Bridging worlds to connect science and storytelling

Caroline Mosley discusses how she found a career path that explores the intersection of storytelling and science communication to drive societal impact.

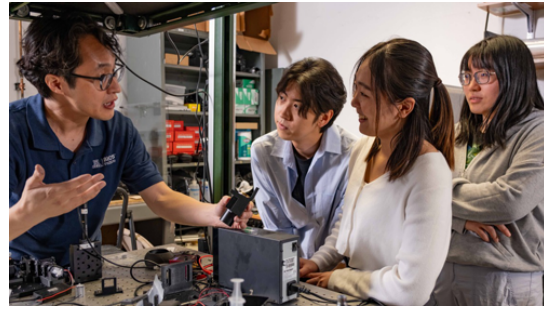
[Listen to Science Talks Episode 50](#)



## Immunologist's impact reaches far beyond the lab

BIO5 member **Michael D.L. Johnson** doesn't miss a beat as a dedicated scientist who inspires the next generation of researchers.

[Read in UArizona Health Sciences](#)



## DongKyun Kang moves from mentored to mentor

"For every technology or device that my lab pioneered in the field, there is a team of dedicated students," said BIO5 member **DongKyun Kang**.

[Read in UArizona Cancer Center](#)



## Applying VR and AI to find a faster way to test for TBI

To more quickly diagnose military personnel with a traumatic brain injury (TBI) in the field, BIO5 member **William D.S. Killgore** and his team are developing small portable device.

[Read in UArizona Health Sciences](#)



## Researcher awarded \$3M grant to develop new therapy for lung disease in premature babies

The goal for new BIO5 member **Vlad Kalinichenko** is to diversify approaches to treatments.

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



## In The News

### Insect societies and cyberscience

The key to better cybersecurity might be found in a beehive, according to BIO5 member **Anna Dornhaus** who leads a social insect lab.

[Listen on AZPM](#)

### Flinn Foundation funds Arizona research teams to drive discoveries into clinical settings

Several BIO5 members were awarded Flinn Foundation funding to turn their scientific findings into viable treatments and diagnostics, including **Eniko Enikov**, **Geoffrey Gurtner**, **Rongguang Liang**, and **Michael Worobey**.

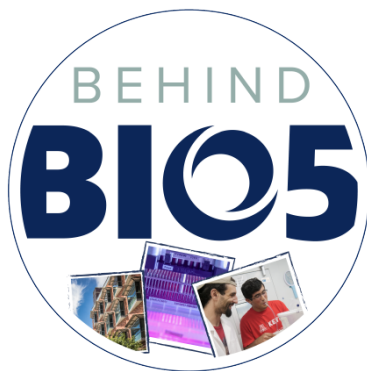
[Read in the Flinn Foundation](#)

### Fresh and local: Exploring the growing trend of microgreens in Tucson

BIO5 member **Joel Cuello** provides insight into an emerging, sustainable industry that focuses on an easier farming process and higher nutritional value for consumers.

[Read in the Daily Wildcat](#)

## 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.

[Learn More & Register](#)



## 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

**Our BIO5 Ambassadors have been busy!** These students are interns earning two credits while learning about the business and outreach side of science.

"I've given tours, connected with researchers, and learned about the different financial accounts with my mentor, BIO5 business manager Sean Cadin. My favorite part is learning how research institutes effectively manage and allocate funds," said Shiv Shukla (left), a freshman majoring in economics.



"A highlight was visiting local high schools with the KEYS Research Internship staff," said Adeeb Hossain, a senior majoring in biomedical sciences with minors in sports management and biochemistry. "It was inspiring to see students show an interest in research while talking about my own experiences working for NASA."



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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.*