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THE UNIVERSITY OF ARIZONA

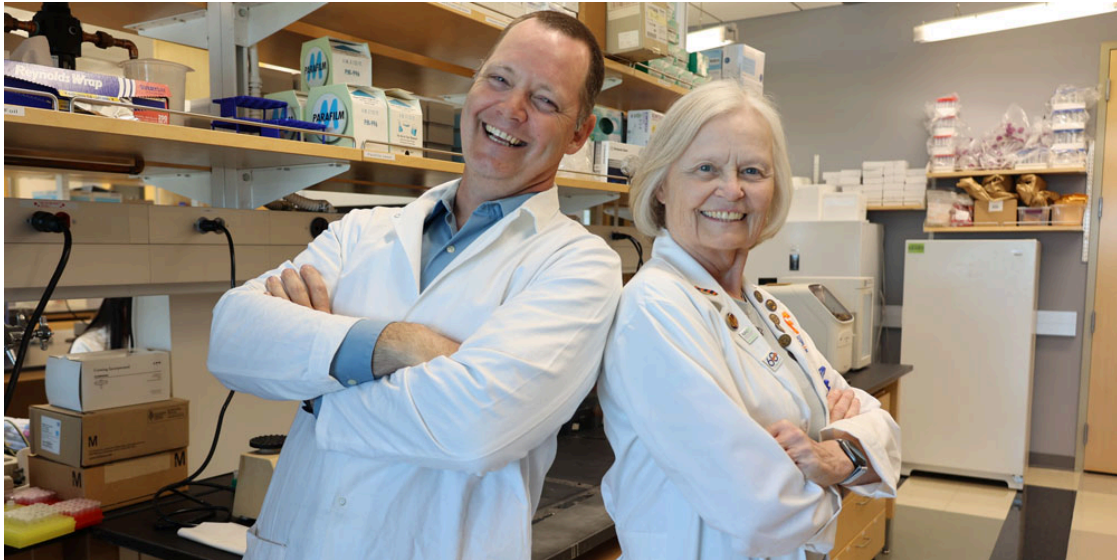


Hello ,

The spring semester may be over, but BIO5 continues to bustle with research, programs, and events into the summer. It will only keep heating up as our flagship summer program for high school students, the **KEYS Research Internship**, kicks off in early June.

In this newsletter edition, meet a son-mother scientific duo collaborating on cancer research, learn how a pharmacy student found a job through our industry networking event, and congratulate a few of our BIO5 members on their incredible achievements.

## Featured Stories



## Son-mother scientific team study plant-based solutions to treat cancer

Building upon a deep familial bond, **Chris and Susan Frost** at the University of Arizona BIO5 Institute are making strides to more precisely and safely deliver chemotherapeutic drugs.

[READ MORE](#)



## From outreach to business: BIO5 Institute internship gives UArizona students perspective

Two undergraduate students, **Shiv Shukla** and **Adeeb Hossain**, dove into outreach and finance during their year-long BIO5 Ambassador Internship.

[READ MORE](#)



## From networking to a job: Q&A with Michael Abrahamson, PharmD

Learn about how our annual Student Industry Networking Event helped a University of Arizona alumni and registered pharmacist find a local biotechnology job.

[READ MORE](#)



### Big questions about the smallest heart muscles

Dr. **Angie Greenman** shares how she flexes muscles in the lab, studying the physiology of protein that could hold clues for a deadly heart disease.



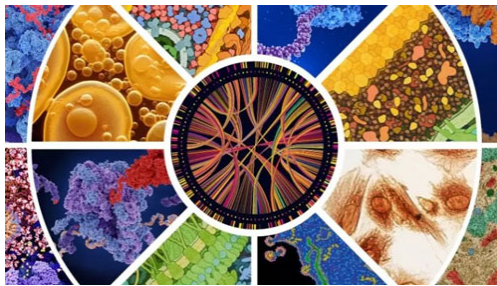
## [Listen to Science Talks Episode 55](#)



### **From KEYS to cancer research to pharmacy**

The KEYS Research Internship jumpstarted the scientific career of undergraduate **Byrdie Lopez** as she purses a career in pharmacy with a specialty in oncology.

## [Listen to Science Talks Episode 54](#)



### **UArizona-led CyVerse part of \$20M NSF award to catalyze biosciences discoveries**

Exciting news for BIO5 member **Tyson Swetnam** and CyVerse, a data and software service associated with the BIO5 Institute. They will be providing the computing infrastructure for a new center focused on molecular and cellular biosciences.

[Read in UArizona News](#)



### **Lisa Elfring awarded the Henry and Phyllis Koffler Prize**

Recognizing her efforts to improve teaching, BIO5 member **Lisa Elfring** received the University of Arizona Koffler Prize. Her collaborative approach and humanistic teaching style have earned the respect and admiration of many at UArizona.

[Read in Dept. of Molecular & Cellular Biology](#)



### College of Engineering names Philipp Gutruf 2024 da Vinci Circle Fellow

BIO5 member **Philipp Gutruf** was named the 2024 Da Vinci Circle Fellow by the UArizona College of Engineering. Gutruf develops cutting-edge tools and revolutionary devices that interact with the body's internal and external biological systems.

[Read in College of Engineering](#)



### Research shows altered regulation of genes linked to prostate cancer among firefighters

A new study by BIO5 member **Jeff Burgess** and a team of researchers found that occupational exposure to chemicals may increase firefighters' risk of prostate cancer.

[Read in Mel & Enid Zuckerman College of Public Health](#)

## In The News

### UArizona optimistic about reversing Alzheimer's

BIO5 member **Roberta Diaz Brinton** and her colleagues at the UArizona Center for Innovation in Brain Science are working on a Alzheimer's treatment that takes into account the chemistry that powers our brains.

[Read in KGUN](#)

### Bird flu is bad for poultry and cattle. Why it's not a dire threat for most of us — yet

BIO5 member **Michael Worobey** provides his genomic expertise in the wake of a current H5N1 outbreak in dairy cows across the U.S.

[Read in NCB News](#)**Rubbing your eyes is way more harmful than you think**

While it might temporarily relieve discomfort, rubbing your eyes from allergies or dust can do more harm than good. BIO5 member **Tara Carr** explains.

[Read in Inverse](#)

## 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.

**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.

**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



*It's never a goodbye, just a see you later!*

We have an incredible crew of BIO5 student workers graduating this spring and summer. While we are sad to see them leave BIO5, we are thrilled as they take their next steps out into the world.

From multimedia and communications, to front desk and making media for our researchers, we couldn't do what we do without the work of amazing University of Arizona students.

Cheers to the Class of 2024 and all that you've accomplished!

### Stay Connected with BIO5

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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.*