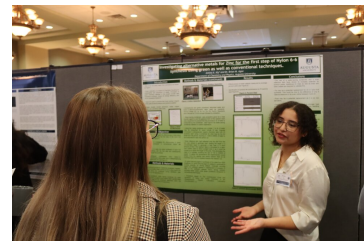


CURS CONNECTION

Highlights from the 22nd Annual Student Research and Fine Arts Conference

Undergraduate Research Week 2022 was a huge success! We hosted faculty and student appreciation days, the Undergraduate Research and Fine Arts Conference, and the Southeastern Scholars Assembly. Thank you to all the students who stopped by the CURS to receive a goody bag, or attended the Undergraduate Research and Fine Arts conference! If you missed the conference you can still find the program and abstracts on the [URFA Conference Website](#). See the Photo Gallery by clicking on the title above.



THANK YOU to our sponsors of this years' awards!

Session awards are sponsored by the **AU Chapter of Phi Kappa Phi**
(winners receive a cash prize of \$100);

Best Overall Poster is sponsored by the **Office of Interdisciplinary Research**
(winner receives \$200)

Best Overall paper sponsored by the **Office of Interdisciplinary Research**
(winner receives \$300)

The 4x4 Showdown is sponsored by the **Center for Instruction and Innovation**
(winner receives \$300)

Help us in congratulating all the winners for each session!

Abby Huebsch

Poster Session

Determining The Role Of Tinagl1 In Zebrafish Craniofacial Development Using Geneweld Mutagensis

Mentored by Dr. Ellen LeMosy,
Department of Cellular Biology and Anatomy

Caleb Hale

Art and Design Oral Session

Making the Moment

Mentored by Prof. AB Osborne,
Department of Art & Design

Amarvir Parmar

Social Sciences and Art Oral Session

Is the Augusta Housing Market different from the National Market?

Mentored by Dr. Simon Medcalfe,
Hull College of Business

Fabiha Anwar

Poster Session

Using Next Generation Sequencing To Discern Novel Genetic Pathways Affected In Glomeruli During Salt-Sensitive Hypertension.

Mentored by Dr. Daria Ilatovskaya,
Department of Physiology

Rida Naem

Biomedical and Biology A Oral Session

KCTD5 Role in GPCR and CAMP Signaling in Striatal Neurons

Mentored by Dr. Brian Muntean,
Pharmacology and Toxicology

Dhruvi Paladiya

Biomedical and Biology B Oral Session

AD05 as a Novel Inhibitor of HSP90 Chaperoning Machine For Cancer Treatment

Mentored by Dr. Ahmed Chadli,
Department of Medicine

Hailie Hayes & Aziza Griggs

Health Sciences Oral Session

Virtual Complete Health Improvement Program and Its Effectiveness in a Food Desert

Mentored by Dr. Richard Sams, Department of Family Medicine

Dominique Lyons

Chemistry Oral Session

Synthesis of Drugs Localized in the Gastrointestinal (GI) Tract Using Vardenafil as Lead Compound

Mentored by Iryna Lebedyeva, Department of Chemistry and Physics and Dr. Darren Browning, Department of Biochemistry and Molecular Biology

Andrew Zimmerman

Biophysics and Computer Science Oral Session

Topological Properties of Cavity Mediated Long-Range Interacting Fermions

Mentored by Dr. Theja DeSilva, Department of Chemistry and Physics

4x4 Showdown: Chloe Johnson

The Effect Of Altering Red Blood Cell Congestion Using Renal Artery Versus Venous Clamping On Tubular Injury In Male And Female Rats

Mentored by Dr. Paul O'Connor, Department of Physiology

Best Overall Poster: Andrew Ensley

The Role Of 12/15-Lipoxygenase In Neuroglial Injury In Diabetic Retinopathy,

Mentored by Dr. Mohamed Al-Shabrawey, previously in the Culver Vision Discovery Institute of MCG.

Best Overall Oral Paper: Rida Naeem

KCTD5 Role in GPCR and CAMP Signaling in Striatal Neurons,

Mentored by Dr. Brian Muntean, Pharmacology & Toxicology

Congratulations!

Dr. Jennifer Bradford receives undergraduate research Mentor Excellence Award

Congratulations to Dr. Jennifer Bradford of the Department of Biological Sciences, who received the Mentor Excellence Award for 2022. Twelve wonderful faculty mentors were nominated for this award.

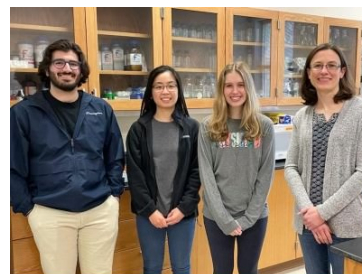
An interdisciplinary review panel selected Dr. Jennifer Bradford from all the nominees. Dr. Jennifer Bradford was nominated by Ashley Koch, Junior Biology major. Ashley's nomination essay provided details on why Dr. Jennifer Bradford is deserving of the award and how inspirational she has been to her growth here at Augusta University.

Dr. Bradford is one of the most hard working, caring, and helpful professors Augusta University has to offer. During my time so far in her research lab, I have had the privilege of working under her and having her as my research professor. On top of the great communication she has with me and the two other graduate students in lab, she has also provided me with many great opportunities and experiences along with helping me grow.

Dr. Jennifer Bradford will receive a \$500 grant from CURS to continue supporting undergraduate research as well as an honorary plaque.

Student Research Series Coming Up

Join us for the next and last CURS Student Research Series of this academic year: Friday, April 29th, 2022 at 1:30 p.m. in JSAC Hardy Room (#232), Summerville Campus.



Ashley Keyes, Senior in Anthropology

Title: *Maternity and Childbirth: A Cross-Cultural Study*

Mentored by Dr. Angela Bratton, Department of History, Anthropology, Philosophy

Matthew Zimmerman, Senior in Ecology

Title: *An Investigation of Metal Tolerance in a Rare Plant Species, Pediomelum Piedmontanum*

Mentored by Dr. Stacy Bennets, Biological Sciences

Nico Robles, Senior in Cell and Molecular Biology

Title: *MicroRNA Dysregulation and Intracerebral Hemorrhage*

Mentored by: Dr. Sangheetha Sukumari-Ramesh, Pharmacology & Toxicology

Congratulations 2022 Summer Scholars!

The following students have been selected for the 2022 Summer Scholars Program. We look forward to a summer of many accomplishments!

Jerin Jamil	Vanessa Browning	Somya Dutta
Kaney Nguyen	Lindsey "Zee" Cook	Charmi Patel
Abby Bryant	Haley Hanson	Adam Jones
Alexandra Yu	Lee Beard	Kenneth Anderson
Manvi Puja**	Sonia Jose	Mervin Jijika
Bianca Tubalinal	Taryn Lykes	Jordan Moratin
Tanish Kumar	Melvin Hilson	Petter Browning
Skyler Owens	Makayla Preston	Faith Elliott
Samantha Lyons	Abby Heusch	Mary Lirette
Hinal Patel	Daihanna Aragon	Haley Gilbert
Hope Langston	Dominic Broglio	Katelin Jones
	Joshua Hale	



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Faculty Information

Seeking Faculty & Staff to Host Workshops

Over the summer and coming academic year CURS will continue our Researcher Tool Kit Series, where students learn about various topics or practice employable skills. We need help to do so!

Undergraduate Research Opportunity Portal

Faculty, Do you have room for an Undergraduate Student in your Research Program? Register your research projects to let students know about different research opportunities. Help students build

Are you an editor of journal, a reviewer of articles? Do you sit on a graduate program acceptance committee? If you are willing to share some of your expertise in one of these areas or something else entirely, fill out our [Workshop Interest Form](#) and we will reach out to start planning how you can be a part of our Toolkit series. The topics are not set, so think outside of the box. What should our students know more about? Where do they need additional support in professional development? Help us prepare our students for their next steps!

employable skills, accelerate your research program, and pay it forward with quality mentoring.

Faculty, [Register your project](#), or send us an ad for our newsletter for paid positions.



CURS is still operating during normal business hours! You can reach us remotely or face to face.

Come by our office or make an appointment to discuss your research questions or brainstorm your options!

Allgood Hall Research Suite E330

Call: 706-729-2094

Email: CURS@augusta.edu

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