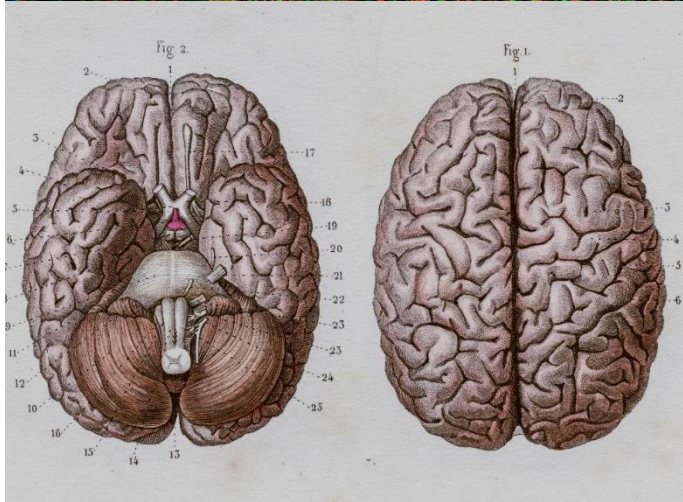
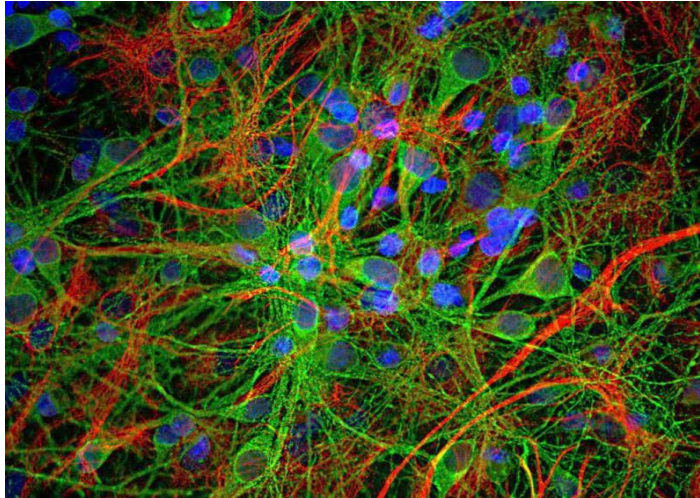


# Welcome to the Ursinus College Neuroscience Program



Ursinus College

# Why Ursinus Neuroscience?

- Brand new research labs & learning spaces
- A truly interdisciplinary major
- Course-based original research experiences
- Mentored research opportunities





# The Innovation and Discovery Center



\$29 million dollars, 42,000 sq. ft. of research awesomeness!

# The Curriculum

## **Neuroscience Core**

NEUR-100 Fundamentals of Neuroscience

NEUR-200 Research Methods

## **Interdisciplinary Foundation**

Biology Foundation: BIO 101, 102, 201

Psychology Foundation: NEUR 330, 332

Chemistry or Physics Foundation

## **Advanced Research Methods**

Cellular, Molecular, Developmental Neurobiology

Advanced Cognitive or Behavioral Neuroscience

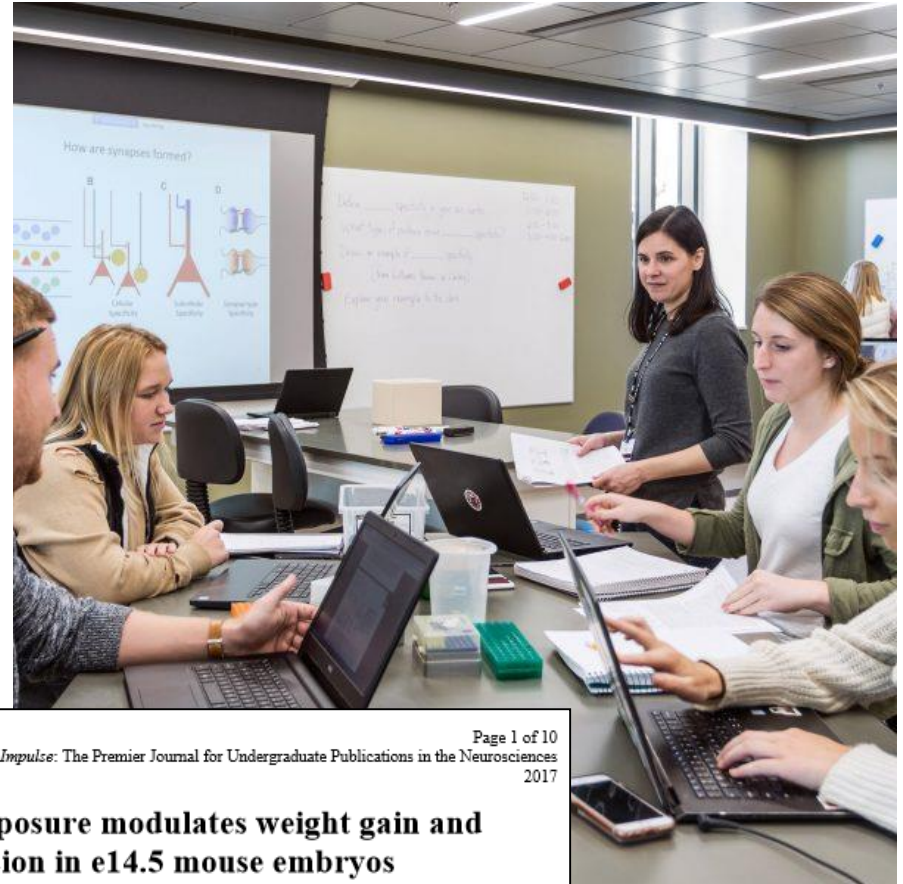
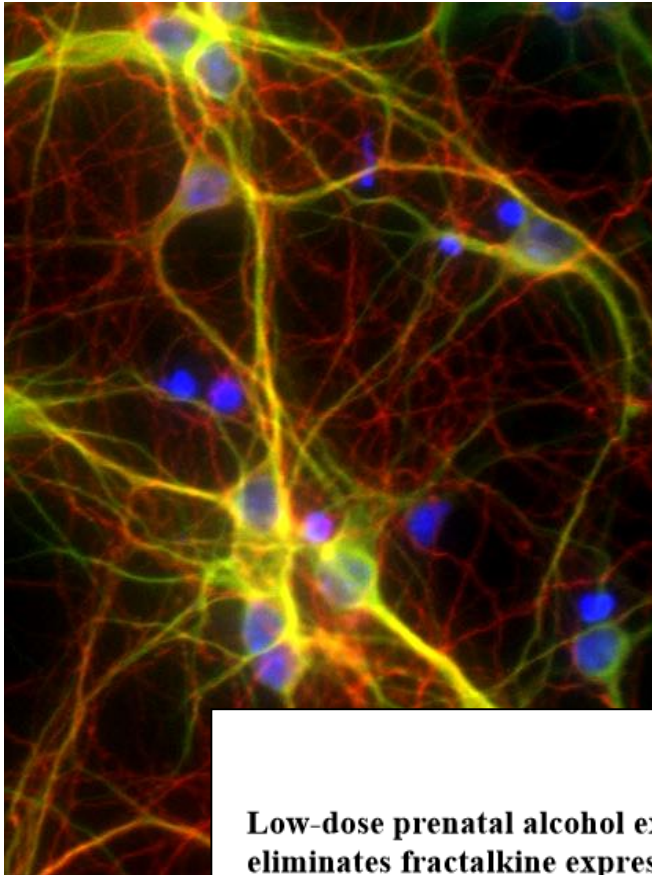
## **Breadth Courses**

Math, Computer Science, Philosophy, Art, Dance...



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# We bring original research into the classroom



Page 1 of 10  
*Impulse: The Premier Journal for Undergraduate Publications in the Neurosciences*  
2017

## **Low-dose prenatal alcohol exposure modulates weight gain and eliminates fractalkine expression in e14.5 mouse embryos**

**Jordyn Karliner, Mark Nagy, Joyce Sanya, Noah Yeagley, Zoe Barnett-Ohuri, Lauren D'Ortona, Jill Lawrence, R. Colin McNamara, Rachel Boas, Heather Brubaker, Spencer Collopy, Justin Nolan, and Carlita Favero**

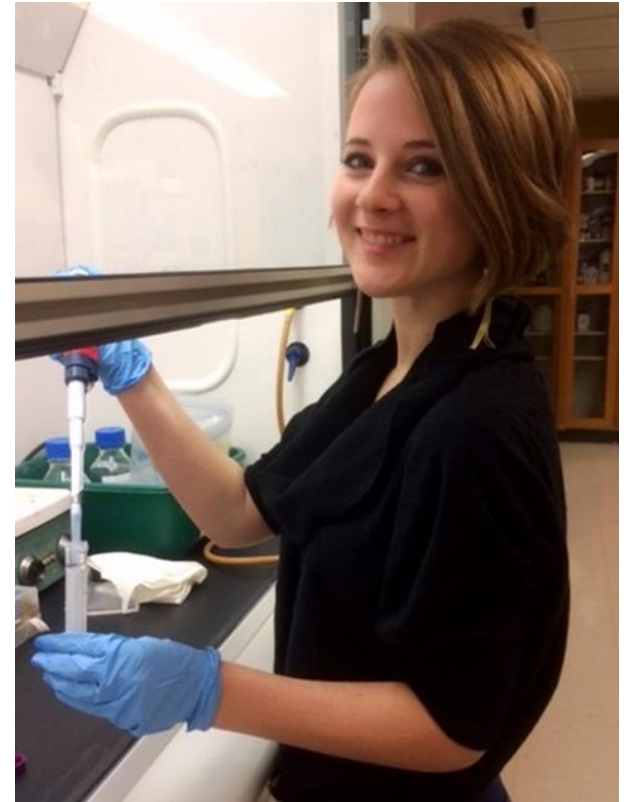
*Ursinus College, Collegeville, PA, United States, 19426*



**Ursinus College**



# Faculty-mentored research opportunities at any stage of your education



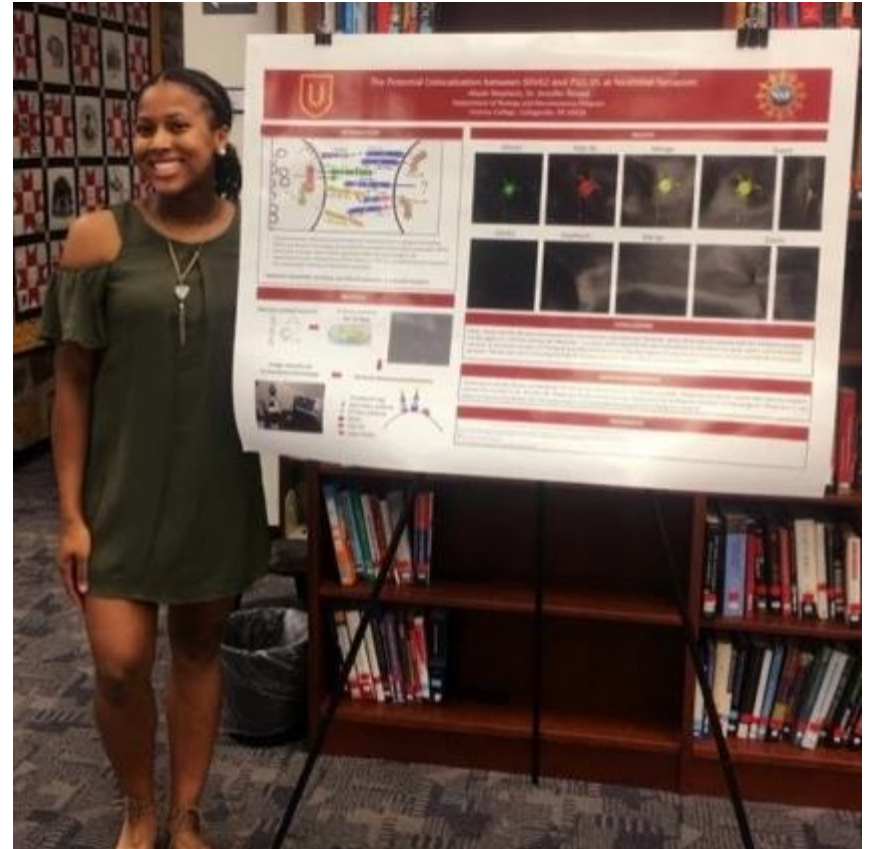
Ursinus College

# Training by faculty who take undergraduate mentoring seriously





# The Summer Fellows Program: An immersive 8-week research experience



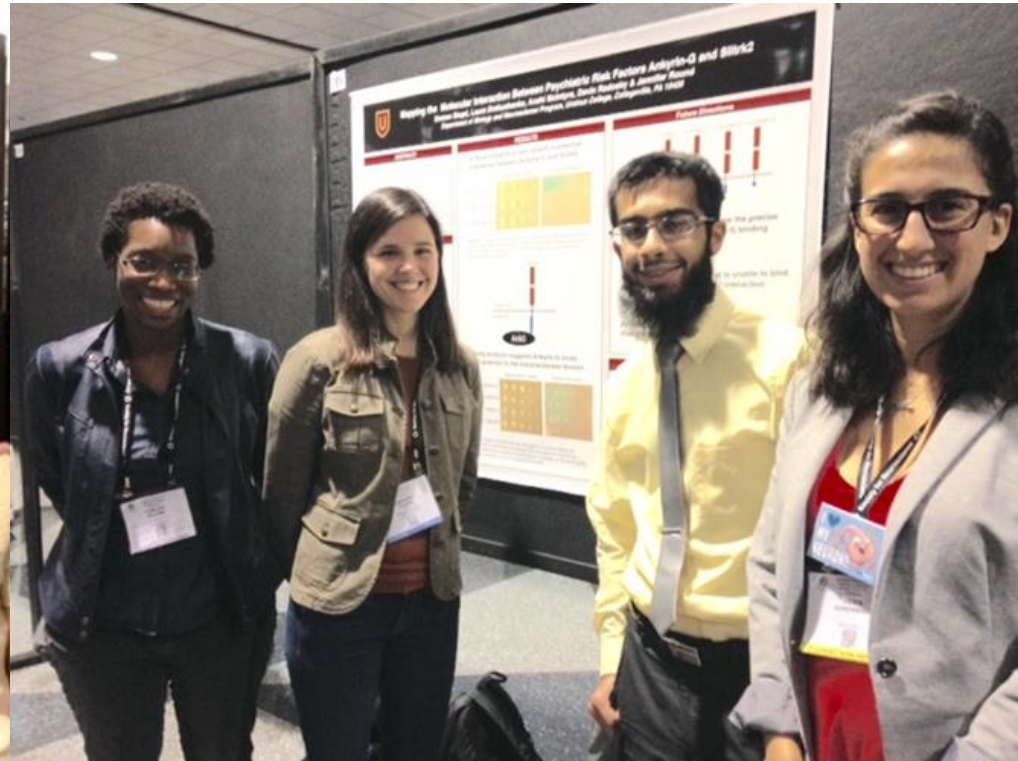
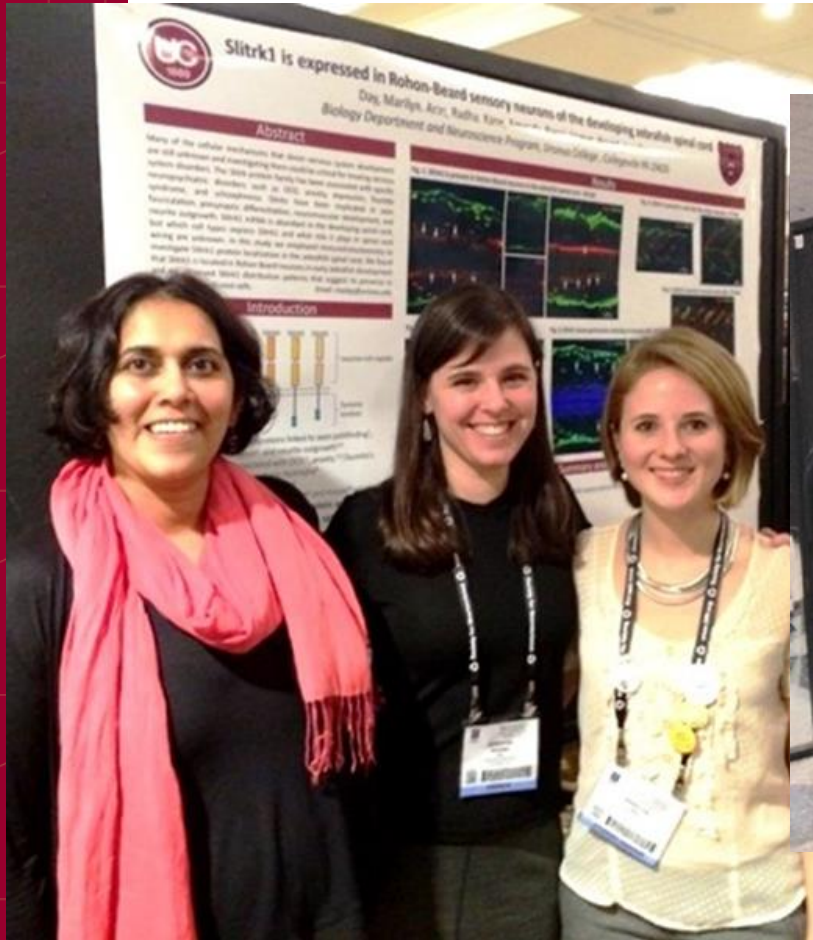
**24/7**  
#URSINUSSUMMER



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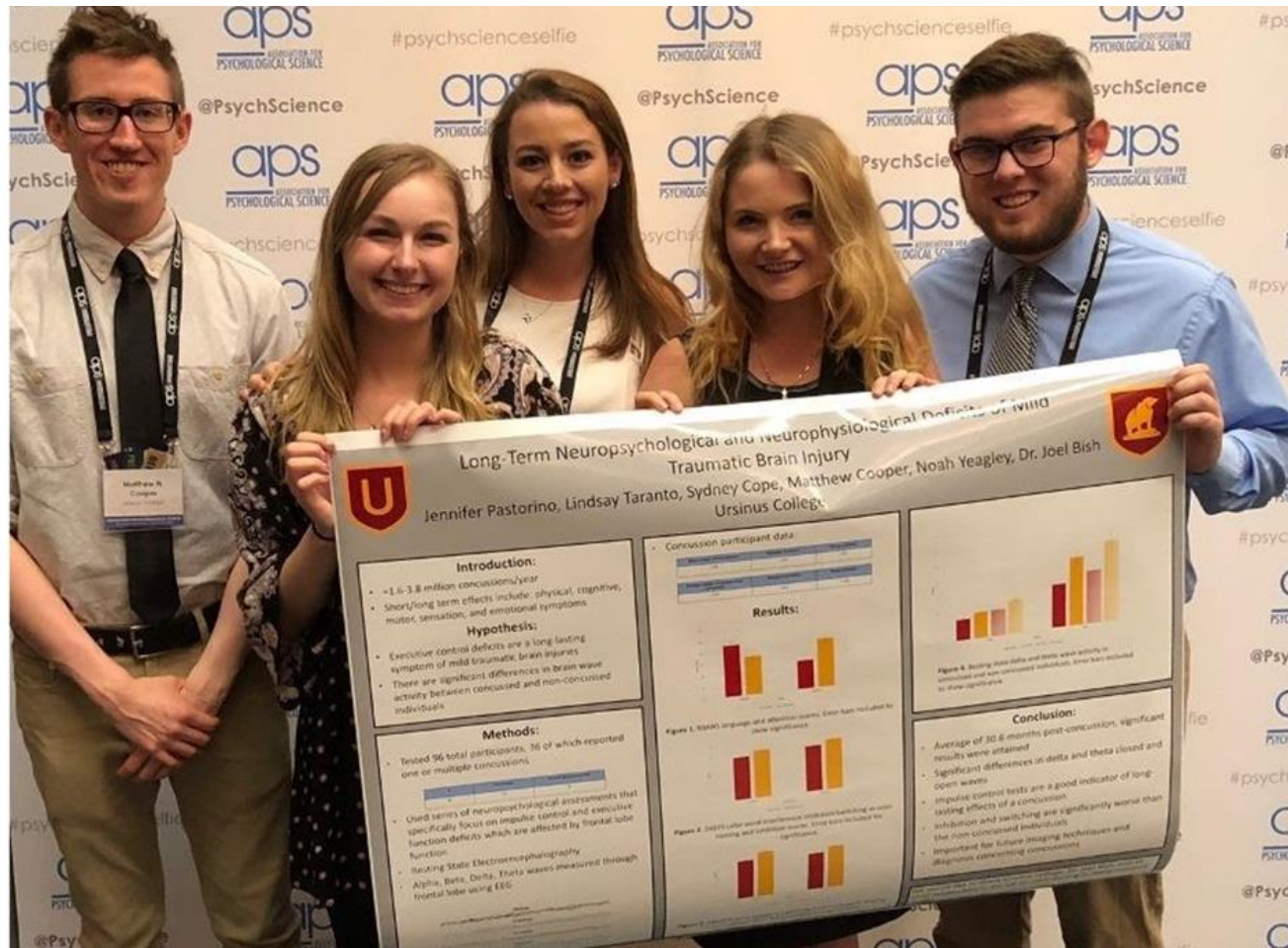
# Annual Meeting of the Society for Neuroscience



# Chicago, IL

# Washington, DC

# Meeting of the Association for Psychological Science



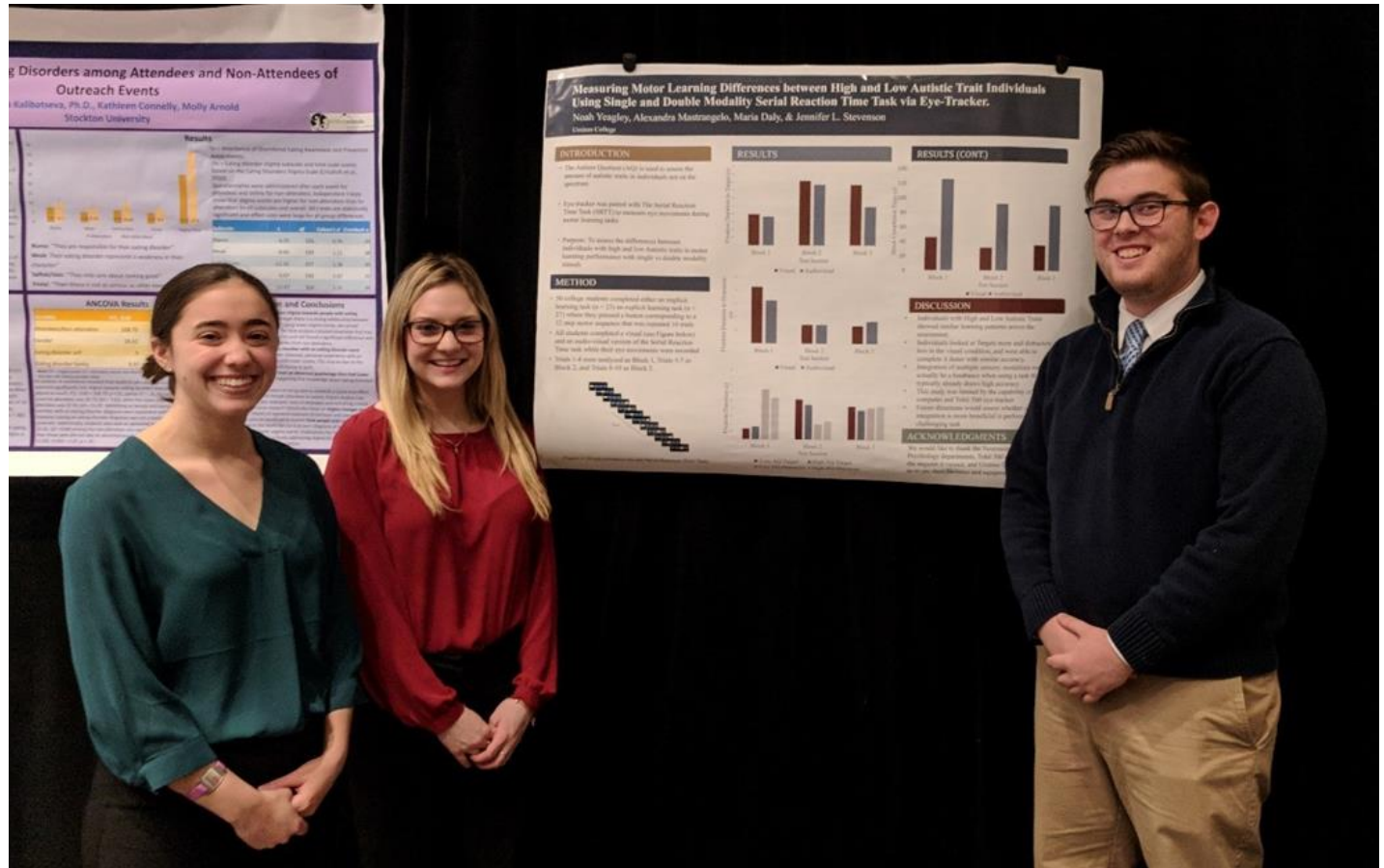
San Francisco, CA



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# Stockton University Undergraduate Research Conference



Galloway, NJ



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# Effects of binge ethanol exposure during first-trimester equivalent on corticothalamic neurons in Swiss Webster outbred mice

Samantha A. White, Jennilyn N. Weber, Christopher D. Howard and Carlita B. Favero

JOURNAL OF MORPHOLOGY 273:211–225 (2012)

## Spinal Cord Regeneration in a Tail Autotomizing Urodele

Ellen M. Dawley,\* Shoji O. Samson, Kenton T. Woodard, and Kathryn A. Matthias

### RESEARCH ARTICLE

## Gender Differences in Mental Rotation Strategy Depend on Degree of Autistic Traits

Jennifer L. Stevenson  and Mary B. Nonack

## Identification of MAGUK scaffold proteins as intracellular binding partners of synaptic adhesion protein Slitrk2


Connor Loomis<sup>1, #</sup>, Aliyah Stephens<sup>1, #</sup>, Paige Springmann<sup>1</sup>, Remi Janicot<sup>1, 2</sup>, Usman Baqai<sup>1, 3</sup>, Laura Drebuschenko<sup>1, 4</sup>, and Jennifer E. Round<sup>1\*</sup>

<sup>1</sup>Department of Biology and Program in Neuroscience, Ursinus College, Collegeville, PA 19426

Article

## Retrospectively Assessed Early Motor and Current Pragmatic Language Skills in Autistic and Neurotypical Children

Jennifer L. Stevenson<sup>1</sup>, Caitlin E. Lindley<sup>1</sup>, and Nicole Murlo<sup>1</sup>

Perceptual and Motor Skills  
2017, Vol. 124(4) 777–794  
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sagepub.com/journalsPermissions.nav  
DOI: 10.1177/0031512517710379  
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Article

## The Role of Musical Experience in Hemispheric Lateralization of Global and Local Auditory Processing


Emily Black

Department of Neurobiology and Anatomy, Drexel University College of Medicine, Philadelphia, PA, USA

Jennifer L. Stevenson and Joel P. Bish

Department of Psychology, Ursinus College, USA

PERCEPTION

Perception  
2017, Vol. 46(8) 956–975  
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# Parlee Center for Science and the Common Good



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# Meet our Faculty!



**Dr. Ellen Dawley**

Spinal Cord Regeneration in  
Vertebrates

**Dr. Joel Bish**

Visuospatial,  
Executive and Numerical  
Processing in Concussions



**Dr. Jennifer Stevenson**

Autism Spectrum Disorders;  
undergraduate neuroscience pedagogy



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# Meet our Faculty!

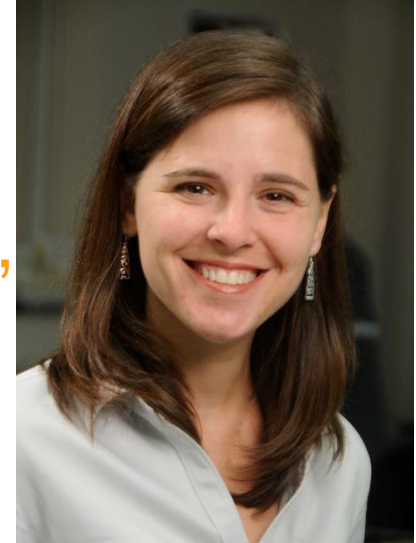


**Dr. Carlita Favero**

Fetal Alcohol Spectrum Disorders  
Brain Development in mouse  
models, Neuroscience Pedagogy

**Dr. Jennifer Round**

Cell Signaling, Neuron Morphology,  
and Connectivity in Zebrafish and  
Cultured Neurons, Neuroscience  
pedagogy



Ursinus College

# Meet our Faculty!



**Dr. Jennifer King**

Role of microglia in HIV-associated neurocognitive disorders

**Dr. Lauren Makuch**

Effects of aberrant prenatal development on learning, memory, and behavior in mouse models



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# What can you do with a Bachelor's Degree in Neuroscience?

Pharmaceutical Sales

Laboratory Technician

Science Writer

Science Advocacy

Nonprofit Work

Lab Animal Care Tech

Forensic Science Tech

Law Enforcement

Public Policy

Residential Counselor

Regulatory Affairs Specialist

Clinical Research Assistant

Special Education Assistant

Health Educator

Medical/Healthcare Manager

Advertising/Marketing

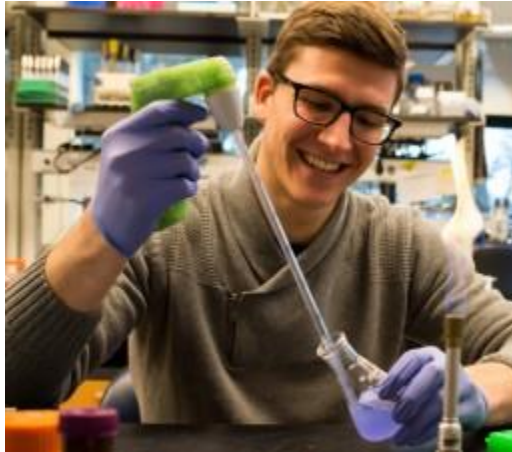
Natural Sciences Manager



Ursinus College



# Where are recent alumni employed now?



Remi Janicot



Rachel Raucci



Jessica Harsch



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# Recent Graduate School Acceptances

**PennState**



**Penn**  
UNIVERSITY of PENNSYLVANIA



**TEMPLE**  
UNIVERSITY



**Jefferson**

Philadelphia University +  
Thomas Jefferson University

HOME OF SIDNEY KIMMEL MEDICAL COLLEGE



**EMORY**  
UNIVERSITY



*GEORGETOWN UNIVERSITY*  
Georgetown College

**U**Sciences****  
University of the Sciences



**Ursinus College**

# Email us with Questions!

Dr. Jennifer Round  
[jround@ursinus.edu](mailto:jround@ursinus.edu)

Dr. Ellen Dawley  
[edawley@ursinus.edu](mailto:edawley@ursinus.edu)