

Duke  
UNIVERSITY



Sunday, May 14, 2023  
Page Auditorium

# Undergraduate Studies in Neuroscience Diploma Ceremony



TRINITY COLLEGE OF ARTS & SCIENCES  
Undergraduate Neuroscience



# ORDER OF CEREMONY

## Welcome

**Christina Williams, Ph.D.**

Professor, Department of Psychology & Neuroscience

## Presentation of Diplomas

**Leonard White, Ph.D.**

Director, Undergraduate Studies in Neuroscience,

Department of Psychology & Neuroscience

Associate Director, Duke Institute for Brain Sciences

Associate Professor, Departments of Neurology and Neurobiology

**Thomas Newpher, Ph.D.**

Associate Director, Undergraduate Studies in Neuroscience

Assistant Professor of the Practice, Department of Psychology & Neuroscience

## Special Recognition

Outstanding Senior Thesis in Neuroscience Award

## Senior Remarks

**RJ Shah, '23**

President, Neuroscience Majors Union

## Closing Remarks

**Leonard White, Ph.D.**

*Immediately following the ceremony, please remain seated until all graduates and faculty have exited. Family and friends are invited to join outside to celebrate with lunch.*

# CLASS of 2023

## FIRST MAJORS IN NEUROSCIENCE

### Bachelor of Arts (AB)

Zavera Khaishoon Basrai

Amina Bounini

Jonah Michael Cagley

Ana Isabella DeCesare

Alyssa Brooke Guthrie

Julia Grace Henegar

Trevor James Horton

Lauren Madelyne Howard

Charlotte Aurora Jones

Shernice Martin

Margaux Veran Pollan

Eliana Leah Shapiro

Katherine Wang

Moorea Ashlynn Wood

Jane Elizabeth Zebrack

## Bachelor of Science (BS)

Alisa Adhikari

Quinn Noel Baker

Langley Brignac Barnes

Morgan Allen Biele

Preston John Bowman

Kevin Sanders Boyd

Piper Camille Boykin

Olivia Marie Byrd

Sabrina Colleen Camacho

Molly Alexandria Carson

Ann Mina Chang

Greta Nicole Cywinska

Emily Taylor Da Cruz

Alec James Deakin

Amber Fu

Jeffrey Thomas-William Galla

Qiutian Gao

Bhavika Garg

Elissa Nicole Gorman

Mia Rose Grossman

Gabriel Antonio Grullon

Kees Albert Heetderks

Anthony Christopher Hinton

Benjamin Laszlo Horvath

Kyra Angeline Hoskin

Michelle Huang

Lihua Mo Hunter

Luong Ngoc Huynh

Juliana Malia Ibarra

Rachel Irengo

Irene Obioma Jonathan

Elizabeth Ann Kayzman

Lilly Juliet Kelemen

Hannah Elizabeth Kelly

Gigi Lee Keziah

Aditya Venkat Kotla

Grace R. Lee

Min Ju Ju Lee

Emilie Lijesen

Nasya C. Lucien

Blaine Arthur Luebbering

Anna Christine MacFarlane

Derek Owen Mackel

Scott Joseph Mahon

Sahil Malhotra

Meghan Helen Merenich



Leena Durdane Mohamedali

Han Mu

Susana Munoz-Lara

Carolyn Amelia Myers

Simone Anaya Nabors

Isabella Pansini

Lucy Rose Peters

Grace Qi

Brinda Raghavendra

Divya Reddy

Nicole Michelle Rivera

Alma Rosalia Rodriguez

Aishani Saha

Sebastian Enrique Sanchez

Chloe Schaeffgen

Sophie Nour Sepehri

RJ Shah

Sara Rose Shannon

Arsha Sharma

Chloe Marguerite Shudt

Nicole Elizabeth Stepovich

Anthony Mark Tarakji

Naima Carol Turbes

Chester Julian Tyson

Sophia Alexis Vera

Neha Kumaraswamy Vutakuri

Ali Taylor Watson

Eileen Wen

## SECOND MAJORS IN NEUROSCIENCE

Talya A. Jeter

Faith Heewon Joo

Dongwon Lee

Yiru Li

Anya Saloni Patel

Preetha Ramachandran

## INTERDEPARTMENTAL MAJOR

Dana Guggenheim

Melinda Guo

Jamie Hunter Kramer

Sarah LoCurto

Mihika Rajvanshi

Florence R. Wang

Ruixin Zhang



# GRADUATION WITH DISTINCTION IN NEUROSCIENCE

## **Langley Barnes**

*Early motor and communications indicators of Autism and ADHD and prediction of later skills based on home video coding at 12 months*

Maura Devito, Ph.D.; Psychiatry & Behavioral Sciences

## **Morgan Biele**

*Eye Tracking the Mental Simulation and Counterfactual Reasoning in Developing Causal Judgment for Children Ages Five to Seven*

Felipe De Brigard, Ph.D.; Psychology & Neuroscience

## **Kevin Boyd**

*The Microglia of the Gut? Maternal Prenatal Exposure to Environmental Stressors Alters Intestinal Macrophage Populations in Male Offspring*

Staci Bilbo, Ph.D., Psychology & Neuroscience

## **Sabrina Camacho**

*Potential consequences of adverse lifestyle factors on decision-making as modeled by the *Drosophila melanogaster* egg-laying process*

Rebecca Yang, Ph.D.; Neurobiology

## **Emily Da Cruz**

*Mechanisms of Sudden Unexpected Death in Epilepsy (SUDEP) in the Mashl<sup>0/0</sup> (Mashl<sup>+/-</sup>, Atp1a3<sup>Mashl/+</sup>) Mouse Model of Alternating Hemiplegia of Childhood (AHC)*

Mohamad Mikati, M.D., Pediatrics-Neurology

## **Amber Fu**

*Nanoplastics Catalyze Pathological  $\alpha$ -Synuclein Aggregation in Neurons: Examining a New Potential Environmental Risk Factor for Parkinson's Disease*

Andrew West, Ph.D.; Pharmacology & Cancer Biology

**JT Galla**

*A Feasibility Study of Neuronavigated 1 Hz Insular rTMS Targeting Combined with CBT and NRT for Smoking Cessation in a Sample of Veterans with PTSD*  
Jonathan Young, Ph.D., Psychiatry & Behavioral Sciences

**Mia Grossman**

*Comparative Study of Neuroanatomy and Neuroendocrinology in Eulemur*  
Christine Drea, Ph.D.; Evolutionary Anthropology

**Gabriel Grullon**

*Exploring the Effects of IL34 Knockout on Microglia in Male and Female Adult Mice*  
Staci Bilbo, Ph.D.; Psychology & Neuroscience

**Alyssa Guthrie**

*Learning from Prediction Error: The Impact of Perfectionism, Anxiety and Perspectives on Learning*  
R. Alison Adcock, Ph.D.; Psychiatry & Behavioral Sciences

**Benjamin Horvath**

*Central MyD88 Signaling and Alcohol Consumption*  
Julia Dziabis, Psychology & Neuroscience

**Irene Jonathan**

*The Impact of Ablated Microglial MyD88 Signaling on Neurodevelopment*  
Staci Bilbo, Ph.D.; Psychology & Neuroscience

**Charlotte Jones**

*Validating a Novel and Language-neutral Neurocognitive Screening Test for Alzheimer's Disease (AD)*  
Andy Liu, M.D., Neurology

**Grace Lee**

*Regulation of multimodal orienting behavior to targets in egocentric space by the superior colliculus*  
Henry Yin, Ph.D.; Psychology & Neuroscience

**Min Ju Lee**

*Identifying Motor Cortical Neural Ensembles Associated with Habit Learning*  
Nicole Calakos, Ph.D.; Cell Biology

**Blaine Luebbering**

*Peptide Uncoupling of TrkB from Phospholipase  $\text{C}\alpha 1$  in the Pilocarpine Model of Status Epilepticus*  
James McNamara, M.D.; Neurobiology

**Anna MacFarlane**

*A multivariate perspective into risk for Alzheimer's Disease using small animal models*  
Alexandra Badea, Ph.D., Radiology/Neurology

**Scott Mahon**

*Analyzing the Effects of TOMM40 Poly-T Variants on the ApoE-TOMM40 Gene Cluster*  
William Kirby Gottschalk, Ph.D.; Neurology

**Sahil Malhotra**

*Selective Discrimination between ApoE3-like and ApoE4-like sequences with SaCas9-KKH*  
Boris Kantor, Ph.D., Neurobiology

**Han Mu**

*The Effect of Histone Modification in Regulating Astrocyte Development*  
Cagla Eroglu, Ph.D.; Cell Biology/Neurobiology

**Isabella Pansini**

*Observing the Microglial Response to Alzheimer's Pathology in Chronically Exercised and Menopause Model Mice*  
Christina Williams, Ph.D.; Psychology & Neuroscience

**Divya Reddy**

*The Effects of Exercise Amount and Type on Behavioral Impairments, Brain Structure, and Connectivity in the Female CVN Model of Alzheimer's Disease*  
Christina Williams, Ph.D.; Psychology & Neuroscience

**Chloe Schaefergen**

*A neural pathway for microbial signaling from the gut*  
Diego V. Bohorquez, Ph.D.; Gastroenterology

**Sara Rose Shannon**

*The Impact of Mind Wandering on the Value-Based Cued Prospective Memory*  
Kristina Krasich, Ph.D.; Center for Cognitive Neuroscience

**CJ Tyson**

*Electrophysiological analysis of lifelong musicianship: a new approach using dry EEG*  
Edna Andrews, Ph.D.; Slavic & Eurasian Studies

**Neha Vutakuri**

*Automatic Segmentation of Patient-Specific Anatomy for AR-Assisted Neurosurgery*  
Maria Gorlatova, Ph.D.; Electrical & Computer Engineering

**Katherine Wang**

*Neurodevelopment Effects of Thyroid Hormone Disruption from PFAS Exposure: The Placental Link between Environment and Fetal Brain*  
Liping Feng, Ph.D.; Reproductive Sciences

**Jane Zebrack**

*The Role of Surveillance MRI in Pediatric-onset NMO/D and MOGAD: a Retrospective Cohort Study*  
Carolyn Pizoli, Ph.D.; Pediatrics



GRADUATION WITH DISTINCTION  
OUTSIDE OF THE MAJOR

**Zavera Basrai**

*Signal transduction pathways involved in specification of serotonergic neurons in an  
echinoderm*

David McClay, Ph.D.; Biology

**Ana DeCesare**

*A Survey of Parental Beliefs: Children's Technology Use in the Digital Age*

Tamar Kushnir, Ph.D.; Psychology & Neuroscience

Duke University  
Undergraduate Studies in Neuroscience  
Administration

**Leonard White, Ph.D.**

Director, Undergraduate Studies in Neuroscience,  
Department of Psychology & Neuroscience  
Associate Director, Duke Institute for Brain Sciences  
Associate Professor, Departments of Neurology and Neurobiology

**Thomas Newpher, Ph.D.**

Associate Director, Undergraduate Studies in Neuroscience  
Assistant Professor of the Practice, Department of Psychology & Neuroscience

**Tyler Lee**

Program Coordinator, Psychology & Neuroscience

**Christian Jones**

Staff Assistant, Psychology & Neuroscience

**Elizabeth J. Marsh, Ph.D.**

Professor and Chair, Department of Psychology & Neuroscience

**Kevin LaBar, Ph.D.**

Professor and Associate Chair,  
Department of Psychology & Neuroscience

## Photographs

As each graduate is handed their diploma, a picture will be taken by a professional photographer from Photo Specialties.

A free color proof will be sent to your current mailing address, including a password for online viewing. You are under no obligation to purchase prints.

To receive an email notification the moment your photos are online, please visit [www.photospecialties.com](http://www.photospecialties.com) to pre-register. If you do not receive a proof within a week of the ceremony, please contact [info@photospecialties.com](mailto:info@photospecialties.com) or call 919-967-9576.

Become a Member of our Neuroscience Alumni  
Group!





An interest in the brain requires  
no justification other than a  
curiosity to know why we are  
here, what we are doing here, and  
where we are going.

Paul D. MacLean

American physician and neuroscientist, 1913-2007



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