Neuroscience

THIRTEENTH ANNUAL GRADUATION AND AWARDS CEREMONY

NEUROSCIENCE

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Ray E. Johnson, Jr., Professor of Psychology

Assistant Director
Carolyn L. Pytte, Associate Professor of Psychology

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RESEARCH FACULTY

Department of Biology
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Assistant Professor Karl Fath, Associate Professor Nathalia Glickman-Holtzman,
Associate Professor Po Kay M. Ma, Associate Professor Alicia Meléndez,
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Assistant Professor Uri Samuni

Department of Computer Science
Professor Bon K. Sy

Department of Family, Nutrition, and Exercise Sciences
Assistant Professor Yu Ching Hung

Department of Psychology
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Professor Joshua C. Brumberg, Professor Jin Fan, Professor Nancy S. Foldi,
Professor Ray E. Johnson, Jr., Associate Professor Andrea Li,
Professor Yoko Nomura, Associate Professor Carolyn L. Pytte,
Professor Robert Randlali, Professor Joel Sneed,
Associate Professor Justin Storbeck, Assistant Professor Kerstin Unger

Commencement 2019
THIRTEENTH ANNUAL GRADUATION AND AWARDS CEREMONY

Tuesday, May 28, 2019
Rosenthal Library Auditorium, Room 230

WELCOME
Dr. Ray E. Johnson, Jr.
Director of the Neuroscience Major and Professor of Psychology
and
Dr. Susan A. Rotenberg
Dean, Division of Mathematics and Natural Sciences and Professor of Chemistry and Biochemistry

PRESENTATION OF THE CLASS OF 2019
Summer 2018 Graduates
Tanvir Otal • Merna Shenouda

Fall 2018 Graduates
Emerald Cazeau* • Rivka Maidi

Spring 2019 Graduates
Siaresh Aziz • Datya Baron • Yakubmier Borukhov* • Bracha Cohen* Yocheved Friedman† • Radyiyyah Hussein‡ Michael Iljasov‡ • Emanuel Israel‡ • Elizabeth Lichtman‡ Benjamin Mushvey‡ • Michelle Natanova‡ • Rena Pinkhasov‡ Yadira Riera‡ • Maria Saleem‡ • Fawzia Shirzad‡ • Mateusz Wysoki‡

PRESENTATION OF AWARDS
Excellence in Neuroscience Research Award
Benjamin Mushvey • Fawzia Shirzad

HONORS THESIS

Siaresh Aziz
Effect of Unilateral Tracheosyringeal Nerve Denervation on the Survival of New Neurons in Adult Male Zebra Finches
Mentor: Dr. Carolyn L. Pytte

Datya Baron
The Effects of Association Strength Between Context and Rules in Working Memory Gating
Mentor: Dr. Kerstin Unger

Yakubmier Borukhov
From Sensation to Perception: Characterizing the Electrophysiology of the Trigeminal Nucleus Principals
Mentor: Dr. Joshua C. Brumberg

Emerald Cazeau
Behavioral Health as an Indicator: How Behavioral Health Influences Inhibition Performance and Physical Health
Mentor: Dr. Justin Storbeck

Bracha Cohen
Mentor: Dr. Natalia Glickman-Holtzman

Yocheved Friedman
Effects of Visual Impairment on Orientation and Shape Perception
Mentor: Dr. Andrea Li

Dovounnae Green
Behavioral Plasticity Alters the Lateralization of New Neurons in Brain Region Responsible for Auditory Processing in Zebra Finches
Mentor: Dr. Carolyn L. Pytte

Radyiyyah Hussein
Understanding the Relationships of Factors Related to Anxiety and the Role of Resting State Neural Frontal Asymmetries as a Predictor
Mentor: Dr. Justin Storbeck

Michael Iljasov
Effect of Affective States on Human Cognition
Mentor: Dr. Kerstin Unger

Emanuel Israel
Murine Genetic Variance in Muscarinic Cholinergic Receptor Antagonism of the Acquisition of Fat-Conditioned Flavor Preferences in Three Inbred Mouse Strains
Mentor: Dr. Richard J. Bodnar

Elizabeth Lichtman
The Effects of Association Strength Between Context and Rules in Working Memory Gating: Analysis of Reaction Time Distributions
Mentor: Dr. Kerstin Unger

Rivka Maidi
A poly-pharmacological approach to preventing relapse in heroin seeking rats
Mentor: Dr. Robert Ranaldi

Benjamin Mushvey
Role of Prx11 in Whisker-Related PrV Lemniscal Pathways: An Electrophysiological Analysis
Mentor: Dr. Joshua C. Brumberg

Michelle Natanova
Neuroanatomical and Morphological Effects of Caloric Restriction on Offspring
Mentor: Dr. Joshua C. Brumberg

Tanvir Otal
The Effect of Increased Dopamine on Neurogenesis in the Subventricular Zone using a DAT Knockdown Mouse Model
Mentor: Dr. Carolyn L. Pytte

Rena Pinkhasov
Recognizing Emotions: Effects of Simulated Visual Impairment on Expression Categorization
Mentors: Dr. Andrea Li & Dr. Justin Storbeck

Yadira Riera
How Health Behavior is Related to ADHD and Influences Antisaccade Performance
Mentor: Dr. Justin Storbeck

Maria Saleem
Changes in Whole Body Performance after Intensive Training in Children with Unilateral Cerebral Palsy
Mentor: Dr. Ya Ching Hung

Merna Shenouda
Murine Genetic Variance in Muscarinic Cholinergic Receptor Antagonism of Sucrose and Saccharin Solution Intakes in Three Inbred Mouse Strains
Mentor: Dr. Richard J. Bodnar

Fawzia Shirzad
Training Effect on Bimanual Coordination for Children with Cerebral Palsy
Mentor: Dr. Ya Ching Hung

Mateusz Wysoki
MAOB Placental Gene Expression Mediates Prenatal Stress Effects on Functional Communication in 2-year-olds
Mentor: Dr. Yoko Nomura

* Honors  † High Honors  ‡ Highest Honors