



Washington University in St. Louis

Azad Bonni Symposium

January 16, 2024

Eric P. Newman Education Center

The Department of Neuroscience is pleased to present a symposium celebrating the contributions of our former Chair, Dr. Azad Bonni.

Dr. Azad Bonni, currently serving as Senior Vice President at Roche where he is Global Head of Neuroscience & Rare Diseases at Pharma Research and Early Development (pRED), was Chair of the Department from 2012-2019. During that time, he oversaw tremendous growth and led the renaming of the Department from Anatomy and Neurobiology to Neuroscience. His laboratory studies the mechanisms governing neuronal connectivity during brain development and plasticity, providing fundamental insights into both healthy brain function and dysfunction in disease.

At this symposium, we will acknowledge the contributions of Dr. Bonni and his lab with a full day of presentations by Department members past and present as well as close colleagues from other institutions.

Program

Eric P. Newman Education Center (EPNEC), Washington University School of Medicine

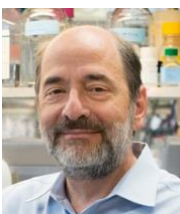
8:30 a.m.



Opening remarks

Linda Richards, PhD
Edison Professor of Neuroscience
Chair
Department of Neuroscience
Washington University

8:40 a.m.



*How nature and nurture
conspire to regulate brain
development and plasticity*

Michael Greenberg, PhD
Nathan Marsh Pusey Professor of
Neurobiology
Department of Neurobiology
Harvard Medical School

9:20 a.m.



*Illuminating the choroid
plexus – cerebrospinal fluid
system*

Maria Lehtinen, PhD
Hannah C. Kinney, MD, Chair in
Pediatric Pathology Research
Boston Children's Hospital
Professor of Pathology
Harvard Medical School

10 a.m.



*Molecular ballet: Unveiling
the real-time dynamics of
biochemical signals in brain
state transitions*

Yao Chen, PhD
Assistant Professor, Department of
Neuroscience
Washington University

10:20 a.m.

Coffee break

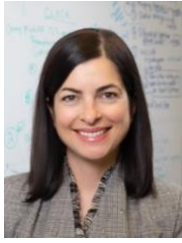
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*Chromatin regulation and
human disease*

Yang Shi, PhD
Professor of Epigenetics
Ludwig Cancer Research
University of Oxford

11:30 a.m.



Cell type-specific transcriptional networks in brain evolution and disease

Genevieve Konopka, PhD
Professor and Vice Chair
Department of Neuroscience
Jon Heighten Scholar in Autism Research
Townsend Distinguished Chair in Research on Autism Spectrum Disorders
UT Southwestern Medical Center

12:10 p.m.



Long-range spinal circuits for movement

Martha Bagnall, PhD
Associate Professor
Department of Neuroscience
Washington University

12:30 p.m.

Lunch

1:30 p.m.



Bridging bodily and mental illness: Cancer cachexia's insights into neuro-immune circuits that mediate apathy

Adam Kepecs, PhD
Robert J. Terry Professor of Neuroscience
Professor of Psychiatry
BJC Investigator
Washington University

1:50 p.m.



From cerebellar development to disease

Esther Becker, PhD
Professor of Translational Neuroscience
Nuffield Department of Clinical Neurosciences
University of Oxford

2:30 p.m.



Biology of curiosity

Ilya Monosov, PhD
Professor
Department of Neuroscience
Washington University

2:50 p.m.



Macrophages and microglia in brain tumors: friend or foe?

Albert Kim, MD, PhD August A. Busch Jr. Professor of Neurological Surgery Professor of Neurosurgery, Genetics, Neurology, and Developmental Biology Director, Brain Tumor Center Washington University

3:10 p.m.

Break

3:40 p.m.



Exploring distinctive epigenetic mechanisms in nervous system development

Harrison Gabel, PhD Associate Professor Department of Neuroscience Washington University

4:00 p.m.



Hybrid epithelial mesenchymal states in head and neck cancer drive metastasis

Sid Puram, MD, PhD Associate Professor Department of Otolaryngology—Head & Neck Surgery Division Chief, Head & Neck Surgery Washington University

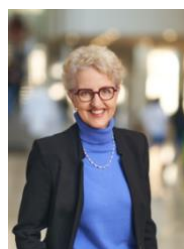
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Journey through science, academia, and industry

Azad Bonni, MD, PhD Senior Vice President Head of Neuroscience & Rare Diseases at Pharma Research and Early Development (pRED) Roche

5:00 p.m.



Closing remarks

Linda Richards, PhD Edison Professor of Neuroscience Chair Department of Neuroscience Washington University