



# ACNP Bulletin

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Helen S. Mayberg, M.D., ACNP President

## 2024 President's Plenary, Distinguished Lecture, Meet the Expert and Teaching Day Sessions

This year's **President's Plenary** will be presented on **Sunday, December 8<sup>th</sup> at 8:00 a.m. – 11:30 a.m. Mountain Time**. The title of this plenary session is ***The Future is Now: Transformative Research Enters the Clinic.***

This year's Presidential Symposium will highlight the work and discoveries of three physician scientists whose basic and translational research using transformative transdisciplinary methods has now evolved to testing in the clinic.

Michelle Monje, M.D., Ph.D. will speak on adaptive and maladaptive glial plasticity and its role in brain pathology and circuit-targeted treatments across neuropsychiatric diagnoses. Sergiu Pasca, M.D. will speak on applied neural organoid and assembloid technologies for developing gene based therapies. Botand Roska, M.D., Ph.D. will speak on a multimodal approach to the development of an optogenetic treatment for vision loss. The opportunities and challenges catalyzed by these transdisciplinary translational discoveries and applications as they enter

clinical testing and ultimately clinical care will be discussed by David McMullin, M.D., Director of the Office of Neurological and Physical Medicine Devices at the FDA in dialogue with the speakers and the audience.

**Presenters:**

*Myelin Plasticity in Health and Disease: From Cognition to Opioid Use Disorder*  
Michelle Monje, M.D., Ph.D.  
Stanford University

*Constructing and Deconstructing the Human Nervous System to Study Disease and Develop Therapeutics*  
Sergiu Pasca, M.D.  
Stanford University

*Restoring Vision Using Cell-Type Targeted Optogenetics*  
Botond Roska, M.D., Ph.D.  
Institute of Molecular and Clinical Ophthalmology Basel (IOB)

Discussant: David McMullen, M.D.  
U.S. Food and Drug Administration

This year's **Distinguished Lecturer** will be presented on **Monday, December 9<sup>th</sup> at 1:00 p.m. – 2:30 p.m. Mountain Time**. Edward Chang, M.D., University of California San Francisco (UCSF) will speak on *Translating the Neuroscience of Words*.

Speech is a unique and defining behavior of our species. In this lecture, Dr. Chang will describe his journey to decipher the neural code of speech. Leveraging high spatiotemporal resolution recordings from the cortical surface, he and his team have discovered the neural patterns of activity that give rise to the "building block" phonetic elements of words, including features of consonants, vowels, prosody, and more. These findings have led to the development of the first successful speech neuroprosthesis for restoring communication to people with severe paralysis. He will discuss how emerging neurotechnologies will powerfully deepen our understanding of language mechanisms in the coming decade.

This year's **Meet the Expert** will be presented on **Monday, December 9<sup>th</sup> at 3:00 p.m. – 3:50 p.m. Mountain Time**. The title of this session is *Balancing the Clinic and the Lab across the Academic Life Cycle*.

What is the recipe for a productive and fulfilling life as a physician scientist? There isn't one—there are many. This year's Meet the Experts will feature a dialogue between two PIs at two

career stages who will discuss their personal strategies and the challenges followed by a facilitated ask me anything discussion between speakers and attendees.

**Presenters:**

C. Neill Epperson, M.D.  
University of Colorado School of Medicine-Anschutz Medical Campus

Tamar Gur, M.D., Ph.D.  
Ohio State University College of Medicine

This year's **Teaching Day Session** will be presented on **Wednesday, December 11<sup>th</sup> at 1:00 p.m. – 2:30 p.m. Mountain Time**. The title of this session is ***Big Data – Access, Tools, Applications***

The growing availability of large curated patient datasets is providing unprecedented opportunities to address novel clinical and basic questions across the medical landscape. Deanna Barch, Ph.D. from Washington University in St. Louis and Paul Thompson, Ph.D. from the University of Southern California will familiarize participants with some of the most relevant open science initiatives generating these unique resources and outline best practices and strategies to maximize their use.

**Presenters:**

*Big Data in Psychiatry – What is Available, What is It They for, and How to Access It*  
Deanna Barch, Ph.D.  
Washington University

*ENIGMA's Multisite Neuroimaging Studies of 30 Brain Disorders Across 45 Countries: A Guided Tour and How to Join or Lead New Projects*  
Paul Thompson, Ph.D.  
USC Imaging Genetics Center

The College welcomes all individuals from all different races, backgrounds, genders, and ethnicities. I look forward to welcoming members, travel awardees, panel, study group and poster presenters, and invited guests to the President's Plenary, Distinguished Lecture, Meet the Expert, and Teaching Day sessions as well as all the other outstanding presentations and events on the 2024 Program. See you in December at the 63<sup>rd</sup> Annual ACNP Meeting!