



## **First-ever Virtual Annual Meeting of the American Neurological Association to Showcase Work of Young Researchers and Spotlight Cutting-Edge Research from World’s Leading Academic Neurologists and Neuroscientists**

The focus is on the future at the 145<sup>th</sup> Annual Meeting of the [American Neurological Association](https://www.ana.org) this October 4<sup>th</sup> through 9<sup>th</sup>, in its first-ever all-virtual, interactive event.

As always, the Annual Meeting will offer outstanding talks and poster presentations representing the latest advances in translational neuroscience, neurobiology of disease, and academic neurology. Special Interest Group (SIG) sessions and Interactive Workshops will spotlight advances across the full spectrum of neurologic and neuroscience subspecialties.

New this year are Emerging Scholar sessions focused on providing a platform for early career investigator presentations.

“The Emerging Scholar sessions represent some of the most exciting research presented by junior and early career members,” explained ANA2020 Meeting Chair Conrad “Chris” Wehl, MD, PhD. “What is particularly impressive is that this work has taken place under extraordinarily difficult circumstances this year, in the midst of a challenging pandemic that disrupted work for so many.”

Wehl added that the Emerging Scholar Lecture Series, the Derek Denny-Brown Young Neurological Scholars symposium and extensive poster abstract submissions demonstrate that extraordinary work is taking place at all career levels across all subspecialties, and that ANA is committed to fostering and advancing academic neurology and neuroscience.

This year’s symposia dives into the science behind recent breakthroughs in the understanding and treatment of neurological disorders across a broad etiological spectrum. Topics include the emerging recognition that glia cells can serve as principal effectors of neuron degeneration and repair; the role of a tumor’s microenvironment in CNS malignancy; and how personalized medicine approaches have been transformed by advances in genomic medicine. The Presidential Symposium features experts and leaders in the field of wearable technologies discussing how wearable sensors can predict functional outcomes, diagnose patients, improve functional recovery post-stroke, or serve as outcomes in clinical trials.

The following are some of this year’s Annual Meeting highlights:

## Pre-Meeting Symposium to Address Social Justice in Academic Neurology

This year, ANA is hosting a special [Pre-Meeting Symposium](#) on Social that will present an in-depth exploration of such topics as the impact of social determinants of health, adverse health outcomes for people of color, and health-care policy. In addition, participants will join interactive breakout sessions designed to develop actionable steps to address inequity within academic neurology and neuroscience.

## Annual Meeting Plenary Sessions - Topics and Timing

### **Presidential Symposium:**

#### ***Leveraging Digital Technologies***

Session Chair: ANA President, Justin C. McArthur, MBBS, MPH

Sunday, October 4, 2020

10:00 a.m. - 12:15 p.m. EDT

### ***Targeting Glia for Therapy:***

#### ***Mediators of Neuroinflammation, Degeneration and Repair***

Session Chair: Jennifer Orthmann-Murphy, MD, PhD

Sunday, October 4, 2020

4:30 p.m. - 6:30 p.m. EDT

### ***Genomics of Personalized Medicine***

Session Chair: Conrad "Chris" Wehl, MD, PhD

Monday, October 5, 2020

10:00 a.m. - 12:00 p.m. EDT

### ***Microenvironment Control of Brain Tumor Pathogenesis***

Session Co-Chair: David Gutmann, MD, PhD, FAAN

Monday, October 5, 2020

3:30 p.m. - 5:45 p.m. EDT

## Derek Denny-Brown Young Neurological Scholar Symposium

**Track:** Plenary Session

Sunday, October 4, 2020

12:30 p.m. - 2:30 p.m. EDT

### **Speaker(s):**

- [Andrew Cole, MD, FRCP \(Chair\)](#)
- [Michael Geschwind, MD, PhD \(Co-Chair\)](#)

Aging, Lysosomes and Neurodegenerative Disease

**Speaker(s):**

- [Aimee Kao, MD, PhD](#)

Cerebellar Circuitry of Essential Tremor

**Speaker(s):**

- [Sheng-Han Kuo, MD](#)

Dietary Weight Loss May Halt Progression of Polyneuropathy in Patients with Obesity

**Speaker(s):**

- [Brian Callaghan, MD, MS](#)

Functional Genomics of Alzheimer's Disease

**Speaker(s):**

- [Joshua Shulman, MD, PhD](#)

Improving the Diagnostic Precision in Autoimmune Myelopathies and Their Mimics

**Speaker(s):**

- [Eoin Paul Flanagan, MD](#)

## Emerging Scholar Lecture Series

### Emerging Scholar Lecture Series 1

Sunday, October 4, 2020

3:00 p.m. - 4:00 p.m. EDT

**Speaker(s):**

- [Eric Landsness, MD, PhD \(Speaker/Moderator\)](#)

An Undiagnosed White Matter Disorders Neurogenetics Clinic

**Speaker(s):**

- [Jennifer Orthmann-Murphy, MD, PhD \(Speaker/Chair\)](#)

Loss of Chchd2 and Chchd10 Activates Oma1 Peptidase to Disrupt Mitochondrial Cristae Phenocopying Patient Mutations

**Speaker(s):**

- [Derek Narendra, MD, PhD](#)

Objective Dystonia Identification Helps Elucidate Dystonia Pathophysiology

**Speaker(s):**

- [Bhooma Aravamuthan, MD, Dphil](#)

The Power of Single Cell Technologies; from T Cell Receptor to Antigen(s) in Multiple Sclerosis

**Speaker(s):**

- [Naresha Saligrama, PhD \(Speaker/Moderator\)](#)

### Emerging Scholar Lecture Series 2

Monday, October 5, 2020

2:00 p.m. - 3:00 p.m. EDT

**Speaker(s):**

- [Andrew Findlay, MD \(Moderator/Speaker\)](#)

Chemically Patterned Hydrogel Scaffolds Provide Cell-assembled Matrices to Guide Spinal Cord Regeneration

**Speaker(s):**

- [Nicolas Niall Madigan, MB BCh, PhD](#)

FTH1 De Novo Dominant Variants Alter Iron Metabolism and Cause a Pediatric Onset Neuroferritinopathy

**Speaker(s):**

- [Xilma Ortiz-Gonzalez, MD, PhD](#)

Neuropathy-causing TRPV4 Mutations Disrupt TRPV4-RhoA Interactions and Impair Cytoskeletal Regulation

**Speaker(s):**

- [Brett McCray, MD, PhD](#)

Schwann Cells with Fig4 Deficiency are Predisposed to Demyelination

**Speaker(s):**

- [Daniel Moiseev, BS](#)

### Emerging Scholar Lecture Series 3

Wednesday, October 7, 2020

2:00 p.m. - 3:00 p.m. EDT

**Speaker(s):**

- [Jee Bang, MD](#)

APOE Genotype Regulates Pathology and Disease Progression in Synucleinopathy

**Speaker(s):**

- [Albert \(Gus\) Davis, MD, PhD](#)

Cognitive Impairment and Risk Factors of LATE, a Novel Degenerative Pathology

**Speaker(s):**

- [S. Ahmad Sajjadi, MD, PhD](#)

Critical Glial Role for Parkinson's Disease Risk Genes in Controlling Alpha-synuclein Toxicity

**Speaker(s):**

- [Abby Olsen, MD, PhD](#)

Disparities in Access to Care and Research Participation in Advanced Parkinson's Disease: Differences Between a Home Visit Study and Outpatient Clinic Population

**Speaker(s):**

- [Jori Fleisher, MD, MSCE](#)

**Emerging Scholar Lecture Series 4**

Friday, October 9, 2020

2:00 p.m.- 3:00 p.m. EDT

**Speaker(s):**

- [Naresha Saligrama, PhD \(Speaker/Moderator\)](#)

Gamma Sensory Flicker for Patients with Prodromal Alzheimer's Disease: A Phase I Trial

**Speaker(s):**

- [Annabelle Catherine Singer, PhD](#)

In-vivo Two-photon Imaging Reveals Brain Capillary Plugging During Neurotoxicity in a Mouse Model of Chimeric Antigen Receptor (CAR) T Therapy

**Speaker(s):**

- [Juliane Gust, MD, PhD](#)

Non-invasive Calcium Imaging Reliably Classifies Sleep States

**Speaker(s):**

- [Eric Landsness, MD, PhD \(Speaker/Moderator\)](#)

## Meeting Attendees Can Connect This Year Via ANA Neuro Network

New this year for meeting attendees, is the [ANA Neuro Network](#), an online community for ANA academic neurologists and neuroscientists to gather and share questions, comments, and ideas.

While this is an ANA member benefit, all registrants for [ANA2020's Virtual Annual Meeting](#) (ANA member and non-member registrants alike) will have access to the ANA Neuro Network for the duration of the meeting to share ideas, ask questions, and connect over the groundbreaking research presented at ANA2020.

In addition to a general topic area, the Neuro Network features topic areas for a variety of subspecialties. Users can also create their own discussion topics and choose to be notified via email when someone responds to their posts. Visit the Help tab to watch videos on how to navigate and use the Neuro Network.

## About ANA2020

This year's meeting is the first in the Association's 145-year history to be conducted virtually, out of concerns for the health and wellbeing of participants from around the world. More than 1,200 participants are expected to attend the virtual meeting, which will take place from October 4 - 9, 2020. To register for ANA2020, access registration [HERE](#). CME is available for eligible participants. The American Neurological Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American Neurological Association designates this live activity for a maximum of [7.25 AMA PRA Category Credit\(s\)<sup>™</sup>](#). Physicians should claim only the credit commensurate with the extent of their participation in the activity.

A detailed Advance Program is online [HERE](#).

A special "Media Roundtable" session for journalists will take place October 8 at 2 p.m. - 3 p.m. EDT. Journalists may register [HERE](#).

Follow the meeting for updates using #ANA2020 on Twitter @TheNewANA1, on Facebook @AmericanNeurologicalAssociation, or on Instagram @ananeurology.

## ABOUT THE ANA

The American Neurological Association is a professional society of academic neurologists and neuroscientists devoted to advancing the goals of academic neurology; to training and educating neurologists and other physicians in the neurologic sciences; and to expanding both our understanding of diseases of the nervous system and our ability to treat them.

For more information, visit [www.myana.org](http://www.myana.org) or follow @TheNewANA1 on Twitter, @AmericanNeurologicalAssociation on Facebook, or @ananeurology on Instagram.

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**EDITORS' NOTE:** *For additional information on the Virtual Annual Meeting, or to register for the special hour-long media roundtable taking place October 8, 2-3 p.m. EDT, journalists may contact:*

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