145th Annual Meeting
Of the American Neurological Association

Enjoy scientific symposia highlighting cutting-edge research in neurology, poster sessions packed with the latest emerging science, and professional development courses to help neurologists at all career levels connect and excel at ANA2020, to be held October 4–6, 2020 in Los Angeles, CA. The Pre-Meeting Symposium, "Genomics: Personalized Medicine" will take place on October 3.

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Dear Colleagues,

This fall, Los Angeles—known for its star-studded streets—will welcome the current and rising stars of the neurology community for the 145th Annual Meeting of the American Neurological Association (ANA). We cordially invite you to join us in sunny L.A. October 4–6.

This year, we expect to welcome more than 900 academic neurologists and neuroscientists from around the world to the City of Angels to share exciting research updates and best practices. As always, there will be myriad opportunities for professional networking and education. In addition to 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 Lunch Workshops will spotlight advances across the full spectrum of neurologic subspecialties. Additionally, the professional development sessions at this year’s event have something for everyone whether you are a student deciding which subspecialty to pursue or a department chair seeking best practices in administration. New this year are emerging scholar sessions focused on providing a platform for young investigator presentations.

This year’s symposia dives into the science behind recent breakthroughs in our 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; recent insights into the molecular mechanisms of epilepsy and epileptogenesis; and how personalized medicine approaches have been transformed by advances in genomic medicine.

Our keynote speaker will be Peter C. Agre, MD, Bloomberg Distinguished Professor at John Hopkins Bloomberg School of Public Health. A graduate of the Johns Hopkins School of Medicine, Agre attained clinical training in internal medicine and hematology and basic science training in cellular and molecular biology. His research has focused upon molecular aspects of human diseases, including hemolytic anemias, blood group antigens, and malaria. He has served as Director of the Johns Hopkins Malaria Research Institute and oversees scientific training and research efforts of 20 laboratories in Baltimore and field studies in Zambia and Zimbabwe. Dr. Agre received the 2003 Nobel Prize in Chemistry for discovery of the aquaporin water channels.

The 2020 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.

Continuing its dedication to promoting and extending collaborations in neurological education and research among academic neurologists across the globe, this year the ANA is pleased to welcome colleagues from the Pan American Federation of Neurological Societies to the Annual Meeting.

The festivities will commence with the Pre-Meeting Symposium, Genomics of Personalized Medicine, on October 3, the evening before the official start of the Annual Meeting. For early career physician-scientists interested or engaged in translational or clinical neuroscience research, we’re offering a two-day TCRC course on October 2–3.

On behalf of the Board of Directors, Scientific Program Advisory Committee (SPAC), ANA President Justin McArthur, Interactive Lunch Workshops Subcommittee, Career Development Subcommittee, and the Local Arrangements Subcommittee, we look forward to welcoming you to Los Angeles this fall.

With warmest wishes,

Conrad “Chris” Weihl, MD, PhD
Chair, Scientific Program Advisory Committee (SPAC)
Professor, Washington University School of Medicine in St. Louis

Conrad “Chris” Weihl, MD, PhD

Update Regarding COVID-19

To date, the 145th Annual Meeting of the American Neurological Association scheduled for October 4–6, 2020 in Los Angeles is still being offered and registration will open on April 6. We will continue to monitor the evolution of the COVID-19 pandemic closely and will provide additional updates as needed via our website and social media platforms. In the unlikely event that the annual meeting is cancelled, registration fees will be refunded in alignment with the current ANA cancellation policy.
## Friday, October 2, 2020

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<th>Time</th>
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<tr>
<td>3:30 PM – 8:45 PM</td>
<td>ANA–NINDS Career Development Symposium (by invitation only)</td>
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<td>3:30 PM – 7:00 PM</td>
<td>Translational and Clinical Research Course</td>
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<tr>
<td>3:30 PM – 5:00 PM</td>
<td>Registration</td>
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<tr>
<td>6:00 PM – 7:00 PM</td>
<td>Welcome Reception</td>
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## Saturday, October 3, 2020

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<th>Time</th>
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<tr>
<td>7:15 AM – 5:15 PM</td>
<td>ANA–NINDS Career Development Symposium (by invitation only)</td>
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<tr>
<td>3:00 PM – 7:00 PM</td>
<td>ANA Registration Open</td>
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<tr>
<td>7:00 AM – 7:00 PM</td>
<td>Translational and Clinical Research Course</td>
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<tr>
<td>5:00 PM – 6:30 PM</td>
<td>Junior Membership Meeting Reception &amp; Dinner*</td>
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<tr>
<td>6:00 PM – 9:00 PM</td>
<td>Pre–Meeting Symposium</td>
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<tr>
<td>6:00 PM – 6:30 PM</td>
<td>Reception &amp; Buffet Dinner*</td>
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<tr>
<td>6:30 PM – 9:00 PM</td>
<td>Genomics of Personalized Medicine</td>
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## Sunday, October 4, 2020

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<th>Time</th>
<th>Event</th>
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<tr>
<td>6:00 AM – 5:45 PM</td>
<td>Registration Open</td>
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<tr>
<td>7:00 AM – 8:00 AM</td>
<td>Breakfast (provided for all attendees)</td>
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<tr>
<td>7:00 AM – 7:30 AM</td>
<td>Trainee Breakfast with ANA Board of Directors*</td>
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<tr>
<td>7:30 AM – 9:00 AM</td>
<td>Professional Development Courses</td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td>Coffee Break</td>
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## Sunday, October 4, 2020 continued

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<tr>
<th>Time</th>
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<tr>
<td>9:15 AM – 11:30 AM</td>
<td>Plenary Session</td>
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<tr>
<td>11:15 AM – 12:00 PM</td>
<td>Lunch (provided for all attendees)</td>
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<tr>
<td>12:00 PM – 7:00 PM</td>
<td>Poster Viewing*</td>
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<tr>
<td>11:45 AM – 1:00 PM</td>
<td>Interactive Lunch Workshops</td>
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<tr>
<td>11:45 AM – 1:00 PM</td>
<td>Additional Lunch Workshops</td>
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<tr>
<td>1:00 PM – 1:15 PM</td>
<td>Break</td>
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<tr>
<td>1:15 PM – 3:15 PM</td>
<td>Plenary Session</td>
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<tr>
<td>3:15 PM – 3:30 PM</td>
<td>Break</td>
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<tr>
<td>3:30 PM – 5:30 PM</td>
<td>Special Interest Groups</td>
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<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Poster Presentations &amp; Reception*</td>
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<tr>
<td>6:30 PM – 8:30 PM</td>
<td>ANA–AUPN Career Fair*</td>
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*This session is not available for AMA PRA Category I Credit(s)™

Note: The American Board of Psychiatry and Neurology has reviewed the 145th Annual Meeting of the American Neurological Association and has approved this program as part of a comprehensive CME program, which is mandated by the ABMS as a necessary component of Maintenance of Certification.
**Monday, October 5, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 AM – 5:45 PM</td>
<td>Registration Open</td>
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<tr>
<td>6:30 AM – 7:00 AM</td>
<td>Mentor–Mentee Breakfast* (by invitation only)</td>
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<tr>
<td>7:00 AM – 8:00 AM</td>
<td>Breakfast <em>(for all meeting attendees)</em></td>
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<tr>
<td>7:30 AM – 9:00 AM</td>
<td>Professional Development Courses &lt;br&gt; Early (Student, Resident, Trainee, Post-Doc Fellow) Career Level &lt;br&gt; Course 2: Skill Development for Success in Research &lt;br&gt; Early to Mid Career Level &lt;br&gt; Course 2: Essential Skills for Academic Productivity in the First 5-10 Years &lt;br&gt; Chair Career Level &lt;br&gt; Course 2: How to Foster Development of Junior Faculty</td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td>Coffee Break</td>
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<tr>
<td>9:15 AM – 11:15 AM</td>
<td>Plenary Session &lt;br&gt; Aquaporins in Neurological Disease</td>
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<tr>
<td>11:15 AM – 11:45 AM</td>
<td>Executive Session of Membership*</td>
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<tr>
<td>11:30 AM – 12:15 PM</td>
<td>Lunch <em>(for all meeting attendees)</em></td>
</tr>
<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Interactive Lunch Workshops &lt;br&gt; Teleneurology in Academic Practice: Current State and Future Directions &lt;br&gt; The Gene Therapy Toolbox: AAV &lt;br&gt; Recent Advances in Amyloidosis: A Disease You Can’t Afford to Miss &lt;br&gt; Meet the Chairs*</td>
</tr>
<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Additional Lunch Workshops &lt;br&gt; American Board of Psychiatry and Neurology (ABPN) Maintenance of Certification (MOC)* &lt;br&gt; Emerging Scholar Lectures<em>NEW</em></td>
</tr>
<tr>
<td>12:00 PM – 6:30 PM</td>
<td>Poster Viewing*</td>
</tr>
<tr>
<td>1:00 PM – 1:15 PM</td>
<td>Break</td>
</tr>
<tr>
<td>1:15 PM – 3:15 PM</td>
<td>Plenary Session &lt;br&gt; Microenvironment Control of Brain Tumor Pathogenesis</td>
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<tr>
<td>3:15 PM – 3:30 PM</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>3:30 PM – 5:30 PM</td>
<td>Special Interest Groups &lt;br&gt; Autoimmune Neurology &lt;br&gt; Cerebrovascular Disease &amp; Interventional Neurology &lt;br&gt; Dementia and Aging &lt;br&gt; Education &lt;br&gt; Health Services Research &lt;br&gt; Movement Disorders &lt;br&gt; Neuro-Oncology &lt;br&gt; Neurogenetics &lt;br&gt; Sleep Disorders &amp; Circadian Rhythms</td>
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**Monday, October 5, 2020 continued**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Poster Presentations &amp; Reception*</td>
</tr>
<tr>
<td>7:00 PM – 7:30 PM</td>
<td>New Member Meet &amp; Greet*</td>
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<tr>
<td>7:30 PM – 9:00 PM</td>
<td>President’s Reception*</td>
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**Tuesday, October 6, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 AM – 2:15 PM</td>
<td>Registration Open</td>
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<tr>
<td>6:30 AM – 7:30 AM</td>
<td>Breakfast <em>(for all meeting attendees)</em></td>
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<tr>
<td>7:00 AM – 7:30 AM</td>
<td>Junior and Early Career Mentor/ Mentee Breakfast</td>
</tr>
<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Professional Development Courses &lt;br&gt; Early (Student, Resident, Trainee, Post-Doc Fellow) Career Level &lt;br&gt; Course 3: Landing Your First Faculty Position &lt;br&gt; Early to Mid-Career Level &lt;br&gt; Course 3: Critical Decisions in Your Academic Neurology Career &lt;br&gt; Chair Career Level &lt;br&gt; Course 3: Managing Up and Down: Getting What You Need from Your Faculty and Your Dean</td>
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<tr>
<td>8:30 AM – 8:45 AM</td>
<td>Coffee Break</td>
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<tr>
<td>8:45 AM – 10:45 AM</td>
<td>Plenary Session &lt;br&gt; Derek Denny-Brown Young Neurological Scholar Symposium</td>
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<tr>
<td>10:30 AM – 11:15 AM</td>
<td>Lunch <em>(for all meeting attendees)</em></td>
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<tr>
<td>11:00 AM – 12:00 PM</td>
<td>Interactive Lunch Workshops &lt;br&gt; What Type of Evidence Should Drive Clinical Decision-Making? &lt;br&gt; Clinical Genetic Testing For Parkinson’s Disease: What, When and How? &lt;br&gt; The 2020 NINDS Strategic Plan: A Progress Report and Request for Input</td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>Additional Lunch Workshops &lt;br&gt; AUPN’s Networking Lunch for Small Academic Departments &lt;br&gt; Media Roundtable*&lt;br&gt; Emerging Scholar Lectures<em>NEW</em></td>
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<tr>
<td>12:00 PM – 12:15 PM</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>12:15 PM – 2:15 PM</td>
<td>Plenary Session &lt;br&gt; Insights Into Molecular Mechanisms and Treatment of Epilepsy</td>
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<tr>
<td>2:15 PM</td>
<td>Meeting Adjourns</td>
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Note: The American Board of Psychiatry and Neurology has reviewed the 145th Annual Meeting of the American Neurological Association and has approved this program as part of a comprehensive CME program, which is mandated by the ABMS as a necessary component of Maintenance of Certification.
Translational and Clinical Research Course (TCRC) for Clinician-Scientists

The Translational and Clinical Research (TCRC) Course is designed to further the development of early career physician-scientists interested or engaged in translational or clinical neuroscience research. Those selected to participate will walk away with practical information to support their career development as well as strategies for developing research grant proposals.

Tailor-made for trainees and junior faculty interested in pursuing a career in academic neurology, this one-day course combines engaging sessions with unique networking opportunities. Participants will have the chance to interact with senior clinician leaders and current clinician scientists who are well-placed to facilitate the success of neurology’s next generation of academic and research-focused faculty. Programming will include a mix of talks, case examples, and small group discussions allowing participants to further explore and develop specific areas of interest. Each day will also include designated time for networking with other participants and speakers.

Pre-Meeting Symposium

The 2020 Pre-Meeting Symposium, Genomics: Personalized Medicine will take place on October 3, 2020, from 6:30 PM–9:00 PM the evening before the official start of the Annual Meeting. Registration for the Pre-Meeting Symposium requires an additional fee that can be purchased while registering for ANA2020. Be sure to register for this unparalleled scientific discussion!

Chair:
Conrad Weihl, MD, PhD
Washington University in St. Louis

Co-Chair:
Tritia Yamasaki, MD, PhD
University of Kentucky

Co-Chair:
Bryan J. Traynor, MD, PhD
NIA, NIH

Speakers:
Monkol Lek, PhD
Yale University

Timothy Yu, MD, PhD
Boston Children’s Hospital

Sonia Vallabh, PhD
Massachusetts Institute of Technology

Melissa Spencer, PhD
University of California, Los Angeles

Sonja Scholz, MD
NIH
Points of Interest

Who Should Attend

The ANA Annual Meeting has something to offer for everyone: medical students, residents, academic neurologists in their first faculty position, mid-level professionals and department chairs. ANA2020 is the ideal meeting for any clinician-scientist looking to learn about cutting-edge research in the field and exchange ideas with thought leaders in academic neurology.

Neurology students and residents can benefit from the insight of senior investigators, while experienced academic neurologists can meet up-and-coming talent in the field. The Annual Meeting also features professional development sessions that offer strategies for achieving career success, whether you are a student deciding which subspecialty to pursue or a department chair seeking best practices in administration.

Plenary Sessions

- Presidential Symposium: Leveraging Digital Technologies
- Aquaporins in Neurological Disease
- Derek Denny-Brown Young Neurological Scholar Symposium
- Insights Into Molecular Mechanisms and Treatment of Epilepsy
- Microenvironment Control of Brain Tumor Pathogenesis
- Targeting Glia for Therapy: Mediators of Neuroinflammation, Degeneration and Repair

Points of Interest

Special Interest Group (SIG) Sessions

- Autoimmune Neurology
- Behavioral Neurology
- Clinical Logic (previously Case Studies)
- Cerebrovascular Disease and Interventional Neurology
- Dementia and Aging
- Education
- Epilepsy
- Global Neurology
- Headache
- Health Services Research
- Movement Disorders
- Multiple Sclerosis
- Neurocritical Care
- Neurogenetics NEW!
- Neuromuscular Disease
- Neuro-Oncology
- Sleep Disorders and Circadian Rhythm
- Traumatic Brain Injury

OCTOBER 4–6, 2020 • #ANA2020

REGISTER AT 2020.MYANA.ORG
Interactive Lunch Workshops

- The Gene Therapy Toolbox: AAV
- Recent Advances in Amyloidosis: A Disease You Can't Afford to Miss
- The 2020 NINDS Strategic Plan: A Progress Report and Request for Input
- Meet the Chairs*
- Meet the Editors*
- Emerging Neurological Infections
- Teleneurology in Academic Practice: Current State and Future Directions
- Twitter and Social Media: A Role for Neurology and Neuroscience Engagement
- What Type of Evidence Should Drive Clinical Decision-Making?
- Clinical Genetic Testing for Parkinson’s Disease: What, When and How?
- Biomarker in Clinical Studies

Additional Lunch Workshops

- 20th Annual Women of the ANA Lunch Program*
- American Board of Psychiatry and Neurology (ABPN) Maintenance of Certification (MOC) Program*
- AUPN's Networking Lunch for Small Academic Departments of Neurology*
- Emerging Scholar Lectures*NEW*

Professional Development Courses

Students, Residents, and PostDoc Fellows Career Level Courses:

- Course 1: Meet the NINDS, NIA, NICHD, DoD, and VA
- Course 2: Skill Development for Success in Research
- Course 3: Landing Your First Faculty Position

Early to Mid-Career Level Courses:

- Course 1: Meet the NINDS, NIA, NICHD, DoD, and VA
- Course 2: Essential Skills for Academic Productivity in the First 5-10 Years
- Course 3: Critical Decisions in Your Academic Neurology Career

AUPN Chair Career Level Courses:

- Course 1: How to Get More Medical Students to Choose Neurology As A Career
- Course 2: How to Foster Development in Junior Faculty
- Course 3: Managing Up and Down: Getting What You Need from Your Faculty and Your Dean

*This session is not available for AMA PRA Category I Credit(s)*
**ANA2020 | Detailed Program**

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<td><strong>ANA–NINDS Career Development Symposium</strong> <em>(by invitation only)</em></td>
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<td>This symposium is a joint collaborative effort between ANA and NINDS which is designed for clinician-scientists with NIH career development awards (K08 and K23) and is chaired by senior neurologists and neuroscientists who have proven success in career building and navigation, scientific grant writing, networking, and balancing clinical and research efforts.</td>
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<td><strong>Translational and Clinical Research Course</strong></td>
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<tr>
<td>3:30 PM – 5:00 PM</td>
<td><strong>Registration</strong></td>
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<td>6:00 PM – 7:00 PM</td>
<td><strong>Welcome Reception</strong></td>
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</tr>
<tr>
<td>3:00 PM – 7:00 PM</td>
<td><strong>ANA Registration Open</strong></td>
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</table>
Saturday, October 3, 2020

7:00 AM – 7:00 PM  Translational and Clinical Research Course
The course is designed to further the development of young physician-scientists interested in or engaged in translational or clinical neuroscience research. This course will provide selected research fellows, residents, and junior faculty members with strategies for career development and developing research grant proposals that are designed to encourage trainees and junior faculty to pursue careers in academic neurology. The sequence of topics will include sessions geared towards early stages of career development along with as unique opportunities to interact with senior clinician leaders and current clinician scientists that are well-placed to facilitate the success of neurology’s next generation of academic and research-focused faculty. Talks, small group discussions, and case examples will be used as learning strategies. Small group discussions will also allow participants to further explore and develop specific areas of interest. Each day will also include time for networking with other participants and speakers.

5:00 PM – 6:30 PM  Junior Membership Meeting
Reception & Dinner*
Learn how to make the most of your ANA Meeting. Join the members of the Junior and Early Career Membership Committee for a reception and dinner to discuss how to take advantage of the ANA, identify mentors and discuss career tracks in academic neurology.

6:00 PM – 9:00 PM  Pre-Meeting Symposium
6:00 PM – 6:30 PM  Reception & Buffet Dinner*
6:30 PM – 9:00 PM  Genomics of Personalized Medicine
Unraveling the genetic etiology of neurological disease provides fundamental insights into the cellular pathways underlying disease pathogenesis. It also facilitates disease modeling, as well as the design and testing of targeted therapeutics. This symposium will illustrate how genomics is paving the way for the field to move towards precision-based treatments. Pediatric neurologists have demonstrated that gene modification of a previously untreatable disease, spinal muscular atrophy, is feasible. Here, we will explore how genomic knowledge may be translated into disease-modifying interventions in other neurologic diseases.

Learning Objectives:
• To review current genetic understanding of neurologic disease
• To delineate how genetic knowledge can be leveraged to advance the precision medicine paradigm

CHAIR: Conrad Weihl, MD, PhD, Washington University in St. Louis
CO-CHAIR: Tritia Yamasaki, MD, PhD, University of Kentucky
CO-CHAIR: Bryan J. Traynor, MD, PhD, NIA, NIH

Genetic Discovery and Translation in Neuromuscular Diseases
SPEAKER: Monkol Lek, PhD, Yale University

Patient-Customized Antisense Therapies for Rare Neurogenetic Diseases
SPEAKER: Timothy Yu, MD, PhD, Boston Children’s Hospital

Towards Primary Prevention Of Genetic Prion Disease
SPEAKER: Sonia Vallabh, PhD, Broad Institute of MIT and Harvard University

CRISPR-mediated Therapeutics for Duchenne Muscular Dystrophy
SPEAKER: Melissa Spencer, PhD, University of California, Los Angeles

Genomic Approaches Paving the Way for Precision Neurology
SPEAKER: Sonja Scholz, PhD, NIH

* This session is not available for AMA PRA Category I Credit(s)™
Sunday, October 4, 2020

6:00 AM – 5:45 PM  Registration Open

7:00 AM – 8:00 AM  Breakfast (provided for all attendees)

7:00 AM – 7:30 AM  Trainee Breakfast with ANA Board of Directors*
The ANA Board of Directors is composed of academic neurologists at every level, representing all subspecialties from every region of the country. Join the Board for breakfast and an informal discussion on preparing for, entering, and succeeding in a career in academic neurology. This is a wonderful opportunity to interact with leading academics and discuss the selection of an academic path, areas of research focus, or how to navigate the faculty position seeking process.

7:30 AM – 9:00 AM  Professional Development Courses
Early (Student, Resident, Trainee, Post-Doc Fellow) & Early to Mid-Career Level
Course 1: View from the NINDS, NIA, NICHD, DoD, and VA

Chair Career Level
Course 1: How to Get More Medical Students to Choose Neurology as a Career

9:00 AM – 9:15 AM  Coffee Break

* This session is not available for AMA PRA Category 1 Credit(s)™
Plenary Session
Presidential Symposium: Leveraging Digital Technologies in Neurology*
This symposium session will provide clinicians and researchers with information on how to successfully incorporate virtual visits and digital and wearable devices in clinical care and clinical research settings. The introduction and deployment of digital therapeutics into neurology will be discussed. The implications of the deployment of digital technologies for clinical trials and clinical research will be discussed.

Learning Objectives:
• Assess current clinical practice and/or research platforms to determine where technology has the potential to improve processes
• Anticipate the future direction of digital therapeutics in neurological research and clinical practice
• Opine the impact of regulatory oversight and develop tactics to overcome hurdles

CHAIR: Justin McArthur, MBBS, MPH, Johns Hopkins University
CO-CHAIR: Lindsey Wooliscroft, MD, Oregon Health & Science University

Deep Phenotyping of Parkinson’s Disease Using Digital Technology
SPEAKER: Jamie Adams, MD, University of Rochester

Digital Therapeutics
SPEAKER: Adam Gazzaley, MD, PhD, University of California, San Francisco

Precision Rehabilitation Strategies for Motor Recovery Post Stroke
SPEAKER: Preeti Raghavan, MD, Johns Hopkins University

Developing Novel Outcome Measures for Clinical Trials
SPEAKER: Jang-ho Cha, MD, PhD, Novartis Institutes for BioMedical Research

High-Performance Digital Biomarkers: Ethomic Markers for Rapid, Precise Monitoring of Disease Progression
SPEAKER: Aldo Faisal, PhD, Imperial College London

Lunch
(provided for all attendees)
Boxed lunches will be available to take into the Interactive and Additional Lunch Workshops.

12:00 PM – 7:00 PM Poster Viewing*
Poster presenters will be in attendance from 5:30 PM–7:00 PM

11:45 AM – 1:00 PM Interactive Lunch Workshops
Meet the Editors*
Editors from prestigious neurology and neuroscience journals will be available to discuss the submission process, publishing, tips, and other key topics of interest.

* This session is not available for AMA PRA Category I Credit(s)™
Emerging Neurological Infections
Within the last year there has been an (re)emergence of Powassan encephalitis, Eastern equine encephalitis, measles, dengue and there is likely going to be an epidemic of acute flaccid myelitis due to an enterovirus which is expected to peak in Oct 2020. Hence it is critical that neurologists be informed of these diseases and know how to properly diagnose and treat them. Also, it is critical for them to know what specimens to collect and how to access help from state and federal health agencies. This session will feature leaders in the field and in the frontline who can provide the latest information, share personal experiences and engage the audience in a discussion. They also have developed novel assays in their own laboratory that they can share with the audience.

Twitter and Social Media: A Role for Neurology and Neuroscience Engagement
Social media platforms like Twitter allow physicians and scientists to rapidly communicate and share information with millions of people. This workshop will explore in what capacity using Twitter can help physicians and scientists to improve care by creating a communicative and collaborative atmosphere with patients, physicians, scientists and researchers. Workshop discussants will also share best practices for increasing engagement with followers, such as the use of visual abstracts to disseminate their research findings. However, those who participate in social networking must not only be aware of best practices for social media engagement but also potential professional pitfalls and how to honor the patient-doctor relationship even when using these sites. Ultimately, this workshop will allow neurologists and researchers to determine, and make an informed decision about, how best to engage with Twitter and other social media platforms.

Biomarker in Clinical Studies
One of key reasons for the failed clinical trials is often due to inadequate biomarkers used for outcome measurements. There have been increasing NIH-funding mechanisms toward disease biomarker studies. This session will group a team of experts who are experienced in this area and share their insights in the establishment of biomarkers in clinical studies.

11:45 AM – 1:00 PM
Additional Lunch Workshops
Emerging Scholar Lectures*NEW!
Cutting edge research presented by junior and early career attendees.

20th Annual Women of the ANA Lunch Program*

1:00 PM – 1:15 PM
Break
Plenary Session
Targeting Glia for Therapy: Mediators of Neuroinflammation, Degeneration and Repair

Nearly half of the brain is composed of glial cells, including oligodendrocytes, astrocytes, and microglia, and each likely contribute to the etiology and progression of neurological disease. In the past several years there have been an increasing number of high-profile, high-impact stories that implicate each of these cells in various neurological disorders that have no curative treatment. This session will focus on recent work highlighting the role of glial cells as the mediators of degeneration, inflammation and repair. A better understanding of the role of glial cells is likely critical to develop novel effective therapies.

Learning Objectives:
• Identify the specific glial cell types—astrocyte, oligodendrocyte lineage cells and microglia that are currently being studies in the context of neuroinflammatory and neurodegenerative disease
• Identify basic pathomechanisms addressing the role of glial cells mediate in inflammatory and neurodegenerative disease
• Identify glial-specific targets to develop reparative therapies

CHAIR: Jennifer Orthman-Murphy, MD, PhD, University of Pennsylvania

CO-CHAIR: Timothy Greenamyre, MD, PhD, University of Pittsburgh

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15 PM – 2:00 PM</td>
<td>Oligodendrocyte Precursor Cell Present Antigen and are cytotoxic targets in inflammatory demyelination</td>
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<tr>
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<td>SPEAKER: Peter Calabresi, MD, FACP, Johns Hopkins University</td>
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<tr>
<td>2:00 PM – 2:15 PM</td>
<td>Glia-mediated mechanisms of chemotherapy-related cognitive impairment</td>
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<td>SPEAKER: Erin Gibson, PhD, Stanford University</td>
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<td>2:15 PM – 3:15 PM</td>
<td>Targeting microglia-mediated synapse elimination for therapeutic intervention in demyelinating disease</td>
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<td>SPEAKER: Sebastian Werneburg, PhD, University of Massachusetts Medical School</td>
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<tr>
<td>3:15 PM – 4:00 PM</td>
<td>Dissecting out the contribution of A1 astrocytes to Alzheimer's disease</td>
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<tr>
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<td>SPEAKER: Jessica S. Sadick, PhD, NYU Langone</td>
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</table>

3:30 PM – 5:30 PM Special Interest Groups
ANA-AHS Headache
Behavioral Neurology
Clinical Logic
Epilepsy
Global Neurology
Multiple Sclerosis
Neurocritical Care
Neuromuscular Disease
Traumatic Brain Injury

* This session is not available for AMA PRA Category I Credit(s)™
### Sunday, October 4, 2020, continued

<table>
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<th>Time</th>
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<tr>
<td>5:30 PM – 7:00 PM</td>
<td><strong>Poster Presentations &amp; Reception</strong></td>
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<tr>
<td>6:30 PM – 8:30 PM</td>
<td><strong>ANA–AUPN Career Fair</strong></td>
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</table>

The ANA–AUPN Career Fair is an opportunity for residents, post-doc fellows and graduate students to interact with academic neurology departments at a designated time and place to discuss career opportunities at the institutions in attendance. In its third year, the ANA–AUPN Career Fair will take place during its own dedicated hours at ANA2020, and feature a reception and refreshments—the perfect atmosphere for making connections. Neurology residents, post-doc fellows and graduate students can present their CVs and have brief discussions with institutions regarding open positions. Last year, Career Fair attendees met with department chairs from 28 prominent universities.

### Monday, October 5, 2020

<table>
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<td>6:30 AM – 7:00 AM</td>
<td><strong>Mentor–Mentee Breakfast</strong> <em>(by invitation only)</em></td>
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<tr>
<td>7:00 AM – 8:00 AM</td>
<td><strong>Breakfast</strong> <em>(for all meeting attendees)</em></td>
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<tr>
<td>7:30 AM – 9:00 AM</td>
<td><strong>Professional Development Courses</strong></td>
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<td>Early (Student, Resident, Trainee, Post-Doc Fellow) Career Level</td>
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<tr>
<td></td>
<td><strong>Course 2: Skill Development for Success in Research</strong></td>
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<td><strong>Course 2: Essential Skills for Academic Productivity in the First 5–10 Years</strong></td>
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<td></td>
<td><strong>Course 2: How to Foster Development of Junior Faculty</strong></td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td><strong>Coffee Break</strong></td>
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</tbody>
</table>

* This session is not available for AMA PRA Category 1 Credit(s)™

* This session is not available for AMA PRA Category 1 Credit(s)™
Aquaporins in Neurological Disease

In 2003, Dr. Peter Agre was awarded the Nobel Prize in Chemistry for his work leading to the discovery of aquaporin channels, which are responsible for moving water through cell membranes and are present in many species of plants and animals.

Aquaporin 4 (AQP4) is heavily expressed on astrocyte foot processes and is implicated in the maintenance of the blood-brain-barrier, as well as in regulation of extracellular volume, cerebral spinal fluid circulation, waste clearance, cell migration, calcium and potassium signaling and neuroinflammation. Recent data suggest that AQP4 may play a role in the lymphatic (glial lymphatic) system, which is responsible for the elimination of soluble proteins and metabolites from the central nervous system.

While AQP4 represents one of the most common molecules in the brain, only recently has its role in a variety of neurological diseases been appreciated. A wide spectrum of disorders have been linked to AQ4 including: neuromyelitis optica, hydrocephalus, cerebral edema following ischemic stroke or traumatic brain injury, glioma related vasogenic edema, cerebral malaria and neurodegenerative diseases such as Alzheimer Disease, Parkinson’s Disease and ALS.

Recently, several immunotherapies have been developed to combat AQP4 related neuromyelitis optica. Understanding the underpinnings of the role of aquaporins in blood brain barrier maintenance and the lymphatic system may lead to more sophisticated and targeted therapies for a variety of CNS diseases.

Learning Objectives:

• To understand the role of aquaporin channels in maintenance of the blood brain barrier and lymphatic system
• To identify diseases related to AQP4
• To identify AQP4 related targets for therapeutics

CHAIR: Jennifer Frontera, MD, NYU Langone
CO-CHAIR: Elizabeth Silberman, MD, Oregon Health & Science University
KEYNOTE SPEAKER: Peter Agre, MD, Johns Hopkins University

Regulation Of The Blood-Brain Barrier In Health And Disease
SPEAKER: Richard Daneman, PhD, University of California, San Diego

Aquaporin-4 in Neuromyelitis Optica
SPEAKER: Michael Levy, MD, PhD, Massachusetts General Hospital and Harvard Medical School

PRES and Aquaporins: Clinical Implications
SPEAKER: Jennifer Fugate, DO, Mayo Clinic

The Glymphatic System In Neurologic Disease
SPEAKER: Helene Benveniste, MD, PhD, Yale University
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 11:15 AM – 11:45 AM | Executive Session of Membership*  
All ANA members are encouraged to attend this session where new officers and directors will be elected to the ANA Board of Directors. |
| 11:30 AM – 12:15 PM | Lunch *(for all meeting attendees)*  
Boxed lunches will be available to take into the Interactive and Additional Lunch Workshops. |
| 12:00 PM – 1:00 PM | **Interactive Lunch Workshops**  
**Teleneurology in Academic Practice: Current State and Future Directions**  
The session will be interactive case based discussion of the current state of teleneurology in an academic setting. The session will lay out the foundation of how to set up teleneurology practice in a academic setting, pros-cons of setting up teleneurology, and provide an evidence based overview of how teleneurology can be used in the current setting for different neurological sub-specialties. The session will be filled with case studies from authors practice including a overview of tele multiple sclerosis practice in a large academic setting.  
**The Gene Therapy Toolbox: AAV**  
Following the approval of the first gene therapy for a neurological disease, a growing number of clinical trials predicts additional approvals in the next decade, most using AAV as a vehicle. Neurologists should familiarize with the status of the field for these “one and done” therapies.  
**Recent Advances in Amyloidosis: A Disease You Can’t Afford to Miss**  
To discuss recent advances in the pathogenesis, clinical care and features of amyloidosis, including recently approved and upcoming novel therapies  
**Meet the Chairs*  
Prominent chairs of neurology departments will discuss how they handle their position, including what’s involved with being a chair; what the process is for attaining their position, and how to interact with chairs. |
| 12:00 PM – 1:00 PM | **Additional Lunch Workshops**  
**American Board of Psychiatry and Neurology (ABPN) Maintenance of Certification (MOC) *  
**Emerging Scholar Lectures* NEW!  
Cutting edge research presented by junior and early career attendees. |
| 12:00 PM – 6:30 PM | Poster Viewing*  
Poster presenters will be in attendance from 5:00 PM–6:30 PM. |
| 1:00 PM – 1:15 PM | Break |

*This session is not available for AMA PRA Category I Credit(s)*
Plenary Session

Microenvironment Control of Brain Tumor Pathogenesis

Brain tumors are complex cellular ecosystems composed of both neoplastic and non-neoplastic cell types. While considerable research has focused on the genetics, genomics, and growth control pathways operative in the cancer cells, there has been comparatively less focus on the non-neoplastic cells. This session will focus on recent findings that non-neoplastic cells in the brain, including neurons, microglia, and T cells, regulate brain tumor formation and progression, as well as metastasis to the brain. Moreover, each of these cellular dependencies represent opportunities for targeted therapies against tumors of the central nervous system.

Learning Objectives:

• To understand that neurons in the tumor microenvironment are critical drivers of brain tumor formation and growth
• To understand that immune system cells in the tumor microenvironment are critical drivers of brain tumor formation and growth
• To understand that immune system cells represent therapeutic vehicles for the treatment of brain tumors

CHAIR: Steven Small, MD, PhD, University of Texas at Dallas

CO-CHAIR: David Gutmann, MD, PhD, FAAN, Washington University in St. Louis

Neuronal Regulation Of Brain Tumor Pathobiology

SPEAKER: Michelle Monje, MD, PhD, Stanford University

Immune System Cell Regulation Of Brain Tumor Pathobiology

SPEAKER: David Gutmann, MD, PhD, FAAN, Washington University in St. Louis

The Brain Microenvironment And Metastasis

SPEAKER: Adrienne Boire, MD, PhD, Memorial Sloan Kettering Cancer Center

Immunotherapy For Brain Tumors

SPEAKER: Pedro Lowenstein, MD, PhD, University of Michigan

1:15 PM – 3:15 PM

3:15 PM – 3:30 PM

Coffee Break

3:30 PM – 5:30 PM

Special Interest Groups

Autoimmune Neurology

Cerebrovascular Disease & Interventional Neurology

Dementia and Aging

Education

Health Services Research

Movement Disorders

Neuro-Oncology

Neurogenetics

Sleep Disorders & Circadian Rhythms

* This session is not available for AMA PRA Category I Credit(s)™
### Monday, October 5, 2020, continued

<table>
<thead>
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<tbody>
<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Poster Presentations &amp; Reception*</td>
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<tr>
<td>7:00 PM – 7:30 PM</td>
<td>New Member Meet &amp; Greet*</td>
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<tr>
<td>7:30 PM – 9:00 PM</td>
<td>President’s Reception*</td>
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### Tuesday, October 6, 2020

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>6:30 AM – 2:15 PM</td>
<td>Registration Open</td>
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<tr>
<td>6:30 AM – 7:30 AM</td>
<td>Breakfast (for all meeting attendees)</td>
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<tr>
<td>7:00 AM – 7:30 AM</td>
<td>Junior and Early Career Mentor/Mentee Breakfast</td>
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<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Professional Development Courses</td>
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<td></td>
<td>Early [Student, Resident, Trainee, Post-Doc Fellow] Career Level</td>
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<tr>
<td></td>
<td>Course 3: Landing Your First Faculty Position</td>
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<td></td>
<td>Early to Mid-Career Level</td>
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<tr>
<td></td>
<td>Course 3: Critical Decisions in Your Academic Neurology Career</td>
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<tr>
<td></td>
<td>Chair Career Level</td>
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<td></td>
<td>Course 3: Managing Up and Down: Getting What You Need from Your Faculty and Your Dean</td>
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<tr>
<td>8:30 AM – 8:45 AM</td>
<td>Coffee Break</td>
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* This session is not available for AMA PRA Category I Credit(s)*
The Derek Denny-Brown Young Neurological Scholar Symposium is an opportunity for young researchers to share groundbreaking research in the field of Neurology. This symposium will feature presentations from the 2020 Derek Denny-Brown awardees, the Wolfe Neuropathy Research Prize and the Grass Foundation-ANA Award in Neuroscience recipients.

The Derek Denny-Brown Young Neurological Scholar Award recognizes early to mid-career neurologists and neuroscientists. This award honors those neurologists and neuroscientists in the first 10 years of their career at the assistant/associate faculty (equivalent) level who have made outstanding basic and clinical scientific advances toward the prevention, diagnosis, treatment and cure of neurological diseases. The Membership, Honorary and Awards Committee can designate up to a total of three (3) awards in any of the following three areas: Physician Scientist-Basic, Physician Scientist-Clinical, Neuroscientist-relevant to disease.

The Distinguished Neurology Teacher Award was established in 1996 to recognize outstanding accomplishments in teaching neurology to residents and medical students. The purpose is to encourage efforts to recognize and reward contributions by gifted and talented teachers in neurology. Each Neurology Department in the U.S. and Canada is encouraged to nominate one individual from the entire field of neurology each year.

The 2020 Grass Foundation-ANA Award in Neuroscience was established in 2007 to recognize outstanding young physician scientists conducting research in basic and clinical neuroscience. The Grass Foundation was established in 1955 by Albert and Ellen Grass to advance research and education in neuroscience, with a special focus on investigators early in their careers.

The Wolfe Neuropathy Research Prize for Investigators Identifying New Causes or Novel Treatments of Axonal Peripheral Neuropathy was established to honor outstanding investigators who identify a new cause or treatment of axonal peripheral neuropathy. Eligible candidates include faculty members at any stage in their career (MD, MD/PhD, or PhD) who identify either a new cause or treatment of axonal peripheral neuropathy. The same researcher can qualify for this award annually if he/she can demonstrate evidence of repeated success in identifying new causes or treatments for axonal peripheral neuropathy.

**Tuesday, October 6, 2020**

**8:45 AM – 10:45 AM**

**Plenary Session**

**Derek Denny-Brown Young Neurological Scholar Symposium**

The Derek Denny-Brown Young Neurological Scholar Symposium is an opportunity for young researchers to share groundbreaking research in the field of Neurology. This symposium will feature presentations from the 2020 Derek Denny-Brown awardees, the Wolfe Neuropathy Research Prize and the Grass Foundation-ANA Award in Neuroscience recipients.

**10:30 AM – 11:15 AM**

**Lunch** *(for all meeting attendees)*

Boxed lunches will be available to take into the Interactive and Additional Lunch Workshops.
Interactive Lunch Workshops

What Type of Evidence Should Drive Clinical Decision-Making?
Clinical decisions need to be fueled by solid data. Until recently, this was translated to mean that well conducted randomized controlled trials (RCTs) or meta-analyses that derive from them should be the primary source of data for all “evidence based” guidelines. However, recently there is more discussion regarding the biases that can be introduced by RCT’s with excellent methodology but limited generalizability. This symposium will use examples derived from several neurologic conditions to address the contribution of RCTs vs other forms of data to clinical decision-making.

Clinical Genetic Testing For Parkinson’s Disease: What, When and How?
This program will provide an update of the common PD related genetic mutations and focus on the implications of recent discoveries on patient clinical care and clinical research. Specifically the program will cover the currently existing mechanisms for genotyping of PD patients (including direct to consumer, research and commercial testing) and discuss role of genetic counseling. Ethical issues surrounding genetic testing of the PD manifest and at risk individuals will be discussed.

The 2020 NINDS Strategic Plan: A Progress Report and Request for Input
This session will introduce the audience to the process by which National Institute of Neurological Disorders and Stroke (NINDS) is creating its next strategic plan; provide an update on where in this process NINDS is currently and what progress has been made to date; and obtain input from the audience directly at the session and subsequently through an online interface.

Additional Lunch Workshops

AUPN’s Networking Lunch for Small Academic Departments

Media Roundtable*
ANA will host an interactive panel for members of the press to discuss highlights of the key science being presented at the meeting.

Emerging Scholar Lectures**NEW**
Cutting edge research presented by junior and early career attendees.

Coffee Break
Plenary Session
Insights Into Molecular Mechanisms and Treatment of Epilepsy
The recent explosion of genomic information has illuminated a growing list of gene mutation associations with epilepsy. Many of these arise as de novo changes in an individual, making molecular diagnoses critically important for investigation of epilepsy, whether familial or sporadic. Epileptogenic mutations may arise in voltage gated channels, neurotransmitter receptors, or several classes of synaptic function regulators. This symposium provides an update regarding recent frontiers in understanding and modulating epileptic mechanisms ranging from the surprising etiology of drug resistant, brain tumor driven seizures, to the role of mutations in intergenic regions that generate poison exons that can be targeted with antisense oligonucleotides (ASOs), to the use of patient derived reprogrammed neurons toward repurposing drugs for individualized treatment.

Learning Objectives:
• Highlight novel mechanisms leading to epilepsy and expand the traditional landscape of pathogenesis that will improve diagnostic capabilities
• Advance appreciation of potential for new approaches to treatment of epilepsy and neurobehavioral disorders
• Underscore the need to interrogate not only protein coding regions but also the whole genome to find pathogenic mutations and the importance of functional testing of VUSs in neurogenetic diagnoses

CHAIR: M. Elizabeth Ross, MD, PhD, Weill Cornell Medicine
CO-CHAIR: Frances Jensen, MD, University of Pennsylvania

The Birth of Hyperexcitability in the Glioma Peritumoral Microenvironment
SPEAKER: Jeffrey Noebels, MD, PhD, Baylor College of Medicine

Aberrant Inclusion of Poison Exons Leads to Premature Truncation of Ion Channels in Epilepsy
SPEAKER: Gemma Carvill, PhD, Northwestern

Antisense Oligonucleotides Increase Scn1a Expression and Reduce Seizures and SUDEP Incidence in a Mouse Model of Dravet Syndrome
SPEAKER: Lori Isom, PhD, University of Michigan Medical School

Human Brain Organoids for Probing Mechanisms Toward Individualized Treatment of Epilepsy and Behavioral Disorders
SPEAKER: Ranmal Samarasinghe, MD, PhD, University of California, Los Angeles

Meeting Adjourns

Note: The American Board of Psychiatry and Neurology has reviewed the 145th Annual Meeting of the American Neurological Association and has approved this program as part of a comprehensive CME program, which is mandated by the ABMS as a necessary component of Maintenance of Certification.
2020 Registration Rates

### 2020 Pre-Meeting Symposium Registration

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<tr>
<th></th>
<th>Early Bird Rates</th>
<th>Regular/On-Site Rates</th>
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<td>Symposium-Only Attendees and One-Day Annual Meeting Attendees</td>
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**LLMIC**: Low- or Lower-Middle-Income country as defined by the World Bank which can be accessed [here](#).  

### Ticketed Events – Monday, October 5, 2020: President’s Reception

| Guest Pass | $50 Per Guest |

### ANA2020 Meeting Recordings

- Capture key sessions of the 2020 ANA Annual Meeting for review or earn CME for presentations that you missed with ANA2020 Meeting Recordings, the Online Education Package that brings the groundbreaking research of ANA2020 to your fingertips 24/7.
- All Full Registration Packages include access to the ANA2020 Meeting Recordings Package.
- CME is based on content eligibility and not all sessions may award credit.
- Note: Specific presentations within a session may not be available or may be audio only if the presenter has confidential patient information or otherwise declines to be recorded.
- For additional information, visit [2020.myana.org](http://2020.myana.org).

### 2020 Annual Meeting Full Registration Rates (Early Bird)

<table>
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<tr>
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<th>Early Bird Rates (Includes ANA2020 Meeting Recordings Package)</th>
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**LLMIC**: Low- or Lower-Middle-Income country as defined by the World Bank which can be accessed [here](#).  

**Past President Complimentary registration does not include the Meetings Recording Package. The Meetings Recording Package is available for an additional $95 fee.**

OCTOBER 4–6, 2020 • #ANA2020

REGISTER AT 2020.MYANA.ORG
### 2020 Annual Meeting Full Registration Rates (Regular/On-Site)

<table>
<thead>
<tr>
<th>Category Details</th>
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**Past President Complimentary registration does not include the Meetings Recording Package. The Meetings Recording Package is available for an additional $95 fee.

### 2020 Annual Meeting One Day Registration Rates (Early Bird)

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<td>FREE**</td>
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**Past President Complimentary registration does not include the Meetings Recording Package. The Meetings Recording Package is available for an additional $95 fee.
## 2020 Annual Meeting One Day Registration Rates (Regular/On-Site)

<table>
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<th>With ANA2020 Meeting Recordings Package</th>
<th>With ANA2020 Meeting Recordings Package And Pre Meeting Symposium</th>
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<td>Member or Non-Member Student/Resident/Trainee/Postdoc Fellow, and Member or Non-Member from LLMIC*</td>
<td>$485</td>
<td>$610</td>
<td>$580</td>
<td>$705</td>
</tr>
<tr>
<td>ANA Members from the following categories: Member/Fellow, Corresponding Member/ Fellow, Senior/ Honorary Fellow</td>
<td>$160</td>
<td>$220</td>
<td>$210</td>
<td>$270</td>
</tr>
<tr>
<td>Past President</td>
<td>FREE**</td>
<td>FREE**</td>
<td>$95</td>
<td>$95</td>
</tr>
</tbody>
</table>

*LLMIC: Low- or Lower-Middle-Income country as defined by the World Bank which can be accessed [here](#).

**Past President Complimentary registration does not include the Meetings Recording Package. The Meetings Recording Package is available for an additional $95 fee.
Pre-Meeting Symposium Registration

Register online at 2020.myana.org/event-registration no later than 11:59 PM PT on Monday, September 8, 2020 in order to receive the early bird rates. After September 8, standard/on-site rates will apply. Once you have registered online, you will receive a confirmation email. If you do not receive a confirmation email or have difficulty with online registration, please contact ANA staff at meetings@myana.org.

Cancellation Policy

To cancel your registration and receive a refund, a written request with your registration confirmation must be received by September 8, 2020. Please send your request to meetings@myana.org. Cancellation requests received by this date will receive a refund less a $50 processing fee. Refunds will be processed after the meeting. All requests received after September 8, 2020, will forfeit 100% of monies paid.

Consent to Use of Photographic Images

Registration and attendance at, or participation in, ANA meetings and other related activities constitutes attendee’s authorization to ANA’s use and distribution (both now and in the future) of the attendee’s image or voice in photographs, video recordings, electronic reproductions, audio recordings, and other media throughout the world and royalty-free.

On-Site Registration Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, October 3</td>
<td>3:00 PM–7:00 PM</td>
</tr>
<tr>
<td>Sunday, October 4</td>
<td>6:00 AM–5:45 PM</td>
</tr>
<tr>
<td>Monday, October 5</td>
<td>6:30 AM–5:45 PM</td>
</tr>
<tr>
<td>Tuesday, October 6</td>
<td>6:30 AM–2:15 PM</td>
</tr>
</tbody>
</table>

Poster Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, October 4</td>
<td>12:00 PM–7:00 PM</td>
</tr>
<tr>
<td>Monday, October 5</td>
<td>12:00 PM–7:00 PM</td>
</tr>
</tbody>
</table>

Poster presenters will be in attendance from 5:30 PM–7:00 PM.
Hotel Accommodations

For your convenience, a block of sleeping rooms has been reserved at the Westin Bonaventure Hotel at a conference rate of $249 (plus taxes) per night for a traditional single or double room.

The special group room rate will be available through September 8, 2020 or until the ANA block is sold out. After this date, the prevailing rates for the hotel will apply.

To reserve a room(s) at the group rate, please visit the meeting website at 2020.myana.org and click on the Housing tab.

Disclaimer: ANA strongly encourages you to make hotel reservations for the Annual Meeting directly with the official host hotel, the Westin Bonaventure Hotel. Please be aware, any solicitation you receive regarding housing services coming from a third party company is not endorsed by or affiliated with ANA in any way. Room reservations made on your behalf by any outside company may not be guaranteed. ANA is not responsible for any reservations made outside of the official hotel block.

General Hotel Information

Westin Bonaventure Hotel, 404 South Figueroa Street, Los Angeles, CA 90071.

Set in the heart of downtown, The Westin Bonaventure Hotel & Suites, Los Angeles radiates an elegance that has attracted U.S. Presidents, dignitaries and stars of television and film. The hotel welcomes California travelers with a soaring atrium and inspired amenities. Take advantage of our WestinWORKOUT® Fitness Studio and the heated, outdoor pool. Sample mouthwatering fare and tempting libations from our hotel restaurants, including our award-winning LA Prime steakhouse. Recharge in our well-appointed, pet-friendly hotel rooms and suites. Every room features our Heavenly® Beds, mini-refrigerators, flat-screen TVs, large work desks, free Wi-Fi and floor-to-ceiling windows with impressive views. We are minutes from the Convention Center, USC, Staples Center and Dodger Stadium.

RESERVATIONS TOLL FREE PHONE: (800) 937-8461
CHECK-IN TIME: 4:00 PM | CHECK-OUT TIME: 11:00 AM
SPECIAL ACCOMMODATIONS: If you require special accommodations in order to fully participate in the program, please contact the ANA Meeting Coordinator at meetings@myana.org.

Language

The official language of the Annual Meeting is English. No simultaneous translation is available.

Continuing Medical Education

Accreditation & Designation Statement(s)

The 145th Annual Meeting of the American Neurological Association:

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 26.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Neurological Association hosts a wide range of educational programs. These programs seek to enhance the development and success of those pursuing a career in academic neurology at all levels. There are educational offerings to benefit those at the beginning stages of their careers, including students and those in their first faculty position, as well as those looking for best practices in Chair level positions. These programs seek to enhance attendee success in the field of academic neurology and to contribute to the overall education of neurologists and neuroscientists.

The American Board of Psychiatry and Neurology has reviewed the 145th Annual Meeting of the American Neurological Association and has approved this program as a part of a comprehensive CME program, which is mandated by the ABMS as a necessary component of Maintenance of Certification.

Additional information is also available online at 2020.myana.org/continuing-medical-education

PLEASE NOTE: A session that has an asterisk (*) next to the session title is not available for AMA PRA Category 1 Credit(s)™.

DISCLAIMER: The ANA does not endorse or affiliate with third-party companies, products or services including those that may have elected to support the 145th Annual Meeting.
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The overall educational focus of ANA’s Annual Meeting has been planned by the following dedicated and accomplished ANA committee members:

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Weill Cornell Medical College

Key Meeting Information

**Hotel Reservation Deadline:**
September 8, 2020
Book Online: [2020.myana.org/housing](http://2020.myana.org/housing)

**Early Registration Deadline:**
September 8, 2020
Online Registration: [2020.myana.org/registration-information](http://2020.myana.org/registration-information)

**Meeting Contacts:**
Phone: 856-380-6892
Hours: Mon–Fri | 9:00 am–5:00 pm ET

**Registration & Meeting Questions:**
meetings@myana.org

**Meeting Location:**
Westin Bonaventure Hotel
404 South Figueroa Street, Los Angeles, CA 90071

**2021 Annual Meeting:**
146th Annual Meeting of the American Neurological Association
October 17–19, 2021
Washington, DC

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Ex–Officio
Allison Willis, MD, MS 2018–2020
University of Pennsylvania
2020 Annual Meeting Important Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Opens</td>
<td>April 6, 2020</td>
</tr>
<tr>
<td>Late-Breaking Abstracts</td>
<td>May 1–June 3, 2020</td>
</tr>
<tr>
<td>Early Bird Deadline</td>
<td>September 8, 2020</td>
</tr>
<tr>
<td>Housing Deadline</td>
<td>September 8, 2020</td>
</tr>
<tr>
<td>Pre-Meeting Symposium</td>
<td>October 3, 2020</td>
</tr>
<tr>
<td>145th Annual Meeting</td>
<td>October 4–6, 2020</td>
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