



ANA2018 143rd ANNUAL MEETING
OF THE AMERICAN
NEUROLOGICAL ASSOCIATION

ATLANTA, GA • OCTOBER 21-23, 2018
PRE-MEETING SYMPOSIUM: OCTOBER 20, 2018

**ADVANCE
PROGRAM**

2018.MYANA.ORG

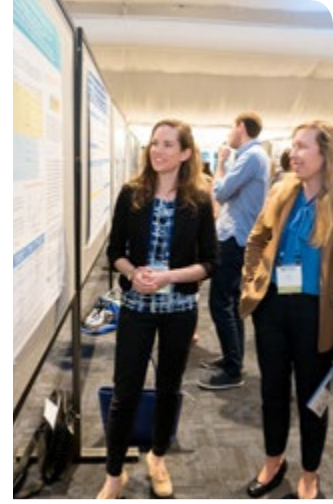
THE AMERICAN NEUROLOGICAL
ASSOCIATION'S

143RD ANNUAL MEETING

Enjoy scientific symposia highlighting cutting-edge research in neurology, poster sessions packed with the latest emerging science, and professional development programs to help neurologists at all career levels connect and excel at ANA2018, to be held October 21–23, 2018 in Atlanta, GA. The Pre-Meeting Symposium, “Viral Vectors in Neurotherapeutics,” will take place on October 20.

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M. Elizabeth Ross, MD, PhD
Chair, Scientific Program
Advisory Committee

Dear Colleagues,

It is an honor to welcome you to the 143rd Annual Meeting of the American Neurological Association (ANA). The Board of Directors, Scientific Program Advisory Committee (SPAC), Dr. Allan Levey and the Local Arrangements Subcommittee here in Atlanta, and colleagues throughout our academic neurological community have worked tirelessly to produce an exciting program.

In this landmark year, you'll find outstanding talks and poster presentations that represent the latest advances in translational neuroscience, neurobiology of disease, and academic and global neurology. A recurring theme in this year's symposia is the science behind recent breakthroughs in our understanding and treatment of neurological disorders across a broad etiological spectrum. Subjects include neurovascular contributions to neurodegeneration, the positive and negative roles of inflammation in neurological disease, recent advances in the use of cell-based neurotherapeutics, and new insights into limiting the progression of traumatic brain injury. Each of the plenary sessions is interlaced with poster blitz-talks that highlight the scientific contributions of young investigators, selected from submitted abstracts, while the Derek Denny-Brown symposium showcases ground-breaking research from the emerging generation of leaders in neurology.

Don't miss the Presidential Symposium that features the latest research into ties between Lewy body dementia and Parkinson's disease. The session will host special guest Susan Schneider Williams, widow of actor Robin Williams, who will provide important insight into the profound toll of this disorder on patients and family.

The Pre-Meeting Symposium on October 20th offers a unique view from academic and industry leaders in the field of gene therapies delivered through viral vectors. As the first AAV gene therapy was FDA approved in 2017, this session illuminates the challenges for pre-clinical model development, first-in-human toxicity studies, target identification and the power of this platform for gene delivery.

This year's meeting is packed with opportunities for professional networking and education through lively poster sessions, breakout Special Interest Group (SIG) Sessions across 19 disciplines, and Interactive Lunch Workshops (ILWs). These are designed to provide the latest emerging information affecting neurological care and education. Additional sessions offer insights from leaders in the field regarding career development issues at all levels of academic neurology, especially those encountered early in the profession.

Finally, the ANA continues its dedication to welcoming our international colleagues, this year from the German Neurological Society. Our intent is to promote and extend collaborations in neurological education and research among academic neurologists across the globe. I join the ANA members of the Board of Directors, SPAC, ILW and Career Development and Awards Committees in inviting you to take advantage of all this vibrant meeting and Association have to offer.

Welcome to Atlanta!

With warmest wishes,

A handwritten signature in black ink that reads "M. Elizabeth Ross". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

M. Elizabeth Ross, MD, PhD
Chair, Scientific Program Advisory Committee (SPAC)
Nathan Cummings Professor and Head, Laboratory of Neurogenetics and Development
Director, Center for Neurogenetics
Chair, Neuroscience Graduate Program, Weill Cornell Medicine

SCHEDULE AT A GLANCE

FRIDAY, OCTOBER 19, 2018

4:30 PM–9:00 PM

ANA-NINDS Career Development Symposium
Invitation Only

SATURDAY, OCTOBER 20, 2018

7:15 AM–5:00 PM

ANA-NINDS Career Development Symposium
Invitation Only

3:00 PM–7:00 PM

Registration

5:00 PM–6:00 PM

Pre-Meeting Symposium Reception & Buffet Dinner*

6:00 PM–9:00 PM

Pre-Meeting Symposium*
Viral Vectors in Neurotherapeutics

SUNDAY, OCTOBER 21, 2018

6:00 AM–5:45 PM

Registration

7:00 AM–9:00 AM

Breakfast

7:00 AM–7:30 AM

Trainee Breakfast with the ANA Board of Directors*

7:30 AM–9:00 AM

Professional Development Courses

Students, Residents, and
Fellows-Career Level

Early- to Mid-Career Level

AUPN Chair-Career Level

9:00 AM–9:15 AM

Break

9:15 AM–11:15 AM

Plenary Session
Vascular Contributions to Neurodegeneration

11:15 AM–11:45 AM

Break

11:45 AM–1:00 PM

Lunch

**Interactive Lunch
Workshops**

**ANA-AUPN Career
Fair***

NOON–7:00 PM

Poster Viewing*

1:15 PM–3:15 PM

Plenary Session
Derek Denny-Brown Young Neurological Scholar Symposium

3:15 PM–3:30 PM

Break

*This session is not available for AMA PRA Category I Credit(s)[™]

Note: The American Board of Psychiatry and Neurology has reviewed the 143rd 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.

SUNDAY, OCTOBER 21, 2018

3:30 PM–5:30 PM	Special Interest Group (SIG) Sessions			
	1. Autoimmune Neurology	2. Clinical Logic	3. Dementia and Aging	4. Education (sponsored by AUPN)
	5. Epilepsy	6. Global Neurology	7. ANA-AH Headache (sponsored by the American Headache Society)	8. Neurocritical Care
5:30 PM–7:00 PM	Exhibits*			
5:30 PM–7:00 PM	Poster Presentation & Reception* Poster presenters will be in attendance			
7:00 PM–9:00 PM	Satellite Symposium* Medical Mystery: 53-Year-Old Female with Unexplained Severe Fatigue and Back Pain (Sponsored by Catalyst Pharmaceuticals)			
7:15 PM–9:15 PM	Past Presidents' Dinner* Invitation Only			

MONDAY, OCTOBER 22, 2018

6:30 AM–5:45 PM	Registration		
7:00 AM–9:00 AM	Breakfast		
7:30 AM–9:00 AM	Professional Development Courses		
	Students, Residents, and Fellows-Career Level	Early- to Mid-Career Level	AUPN Chair-Career Level
9:00 AM–9:15 AM	Break		
9:15 AM–11:15 AM	Presidential Symposium Lewy Body Dementia: From Symptoms to Synuclein		
11:15 AM–11:45 AM	Executive Session of Membership* All members are encouraged to attend		
11:45 AM–1:00 PM	Lunch	Interactive Lunch Workshops	
11:45 AM–1:00 PM	Media Roundtable (media attendees only)*		
11:45 AM–1:00 PM	Additional Lunch Workshops		
	1. 18th Annual Women of the ANA Lunch Program*	2. American Board of Psychiatry and Neurology (ABPN) Maintenance of Certification (MOC) Program*	
NOON–7:00 PM	Poster Viewing*		
1:00 PM–1:15 PM	Break		
1:15 PM–3:15 PM	Plenary Session Inflammation and Neurological Disease: Friend or Foe?		
3:15 PM–3:30 PM	Break		

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

MONDAY, OCTOBER 22, 2018

3:30 PM–5:30 PM	Special Interest Group (SIG) Sessions		
	1. Behavioral Neurology	2. Cerebrovascular Disease and Interventional Neurology	3. Health Services Research
	4. Movement Disorders	5. Multiple Sclerosis	6. Neuromuscular Disease
	7. Neuro-oncology	8. Sleep Disorders and Circadian Rhythm	9. Traumatic Brain Injury
5:30 PM–7:00 PM	Exhibits*		
5:30 PM–7:00 PM	Poster Presentation & Reception* Poster presenters will be in attendance		
7:00 PM–7:30 PM	New Member Meet & Greet* With ANA Past Presidents and Current Leadership		
7:30 PM–9:00 PM	President's Reception		

TUESDAY, OCTOBER 23, 2018

PLEASE NOTE THE EARLIER START TIME FOR TUESDAY SESSIONS

6:30 AM–2:15 PM	Registration		
7:00 AM–8:45 AM	Breakfast		
7:00 AM–8:30 AM	Professional Development Courses		
	Students, Residents, and Fellows-Career Level	Early- to Mid-Career Level	AUPN Chair-Career Level
8:30 AM–8:45 AM	Break		
8:45 AM–10:45 AM	Plenary Session Advances in Cell-Based Therapies for Neurological Diseases		
10:45 AM–11:00 AM	Break		
11:00 AM–NOON	Lunch	Interactive Lunch Workshops	
NOON–12:15 PM	Break		
12:15 PM–2:15 PM	Plenary Session Toward Disease-Modifying Therapies in Traumatic Brain Injury		
2:15 PM	Meeting Adjourns		

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

ANA2018 ANNUAL MEETING HIGHLIGHTS

PRE-MEETING SYMPOSIUM

The 2018 Pre-Meeting Symposium, **Viral Vectors in Neurotherapeutics**, will feature presentations by four experts, followed by a panel discussion:

Krystof S. Bankiewicz, MD, PhD

Professor, Vice-Chair for Research in Neurological Surgery, Director of Interventional Neurology Center, University of California, San Francisco

Beverly L. Davidson, PhD

Professor, University of Pennsylvania

Katherine A. High, MD

President and Head of R&D, Spark Therapeutics

Louise R. Rodino-Klapac, PhD

Principal Investigator, Nationwide Children's Hospital; Associate Professor, Ohio State University College of Medicine

This session is chaired by Conrad Wehl, MD, PhD (Washington University in St. Louis) and Pedro Gonzalez-Alegre, MD, PhD (University of Pennsylvania) and will take place on October 20, 2018, the evening before the official start of the Annual Meeting. Be sure to register for this unparalleled scientific discussion!

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. ANA2018 is the ideal conference 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: Lewy Body Dementia: From Symptoms to Synuclein featuring Susan Schneider Williams, widow of the late comedian and actor Robin Williams, who suffered from Lewy Body Dementia
- Advances in Cell-Based Therapies for Neurological Diseases
- Inflammation and Neurological Disease: Friend or Foe?
- Toward Disease-Modifying Therapies in Traumatic Brain Injury
- Vascular Contributions to Neurodegeneration
- Derek Denny-Brown Young Neurological Scholar Symposium

POINTS OF INTEREST (CONTINUED)



THE ANA ANNUAL MEETING MOBILE APPLICATION

is a native app on both Apple and Android platforms. This design allows a majority of the app features to function without Wi-Fi or connectivity, including interactive scheduling, maps, exhibitors, sessions, and speaker information. The ANA Annual Meeting application is available on all Apple and Android devices and is optimized for the iPhone 7, the iPad and iPad mini, and all other Android devices and tablets. A tablet specific app is supported for iPad along with a universal Android tablet app. The technology also supports an HTML5 app for BlackBerry, Windows, and all other web-based devices for access on personal computers. The ANA Annual Meeting App will be available in October.

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
- ANA-AH Headache
- Health Services Research
- Movement Disorders
- Multiple Sclerosis
- Neurocritical Care
- Neuromuscular Disease
- Neuro-oncology
- Sleep Disorders and Circadian Rhythm
- Traumatic Brain Injury

INTERACTIVE LUNCH WORKSHOPS (ILWs)

- Comprehensive Management of Large Arterial Cerebral Infarction (LACI)
- Distinguishing Inflammatory Encephalopathies Beyond MS
- Genotype-Phenotype Relationships in Neurological Disease
- Lifespan Research on Autism
- Meet the Chairs*
- Meet the Editors*
- Meet the NINDS*
- New Developments in Dystonia
- The Opioid Crisis and the Evolution of Pain Neuroscience Research
- Pharmaceutical Costs for Neurologic Disorders
- Recent Advances in Movement Disorders
- Tumor Treating Fields for Glioblastoma and Other Malignancies
- Update on Neuro-infectious Diseases

ADDITIONAL LUNCH WORKSHOPS*

- 18th 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

PROFESSIONAL DEVELOPMENT COURSES

Students, Residents, and Fellows-Career Level Courses:

- Course 1: Early Careers in Academic Neurology
- Course 2: Landing Your First Faculty Position — A Workshop for New Academic Neurologists
- Course 3: Marketing for Scientists

Early-to Mid-Career Level Courses:

- Course 1: Is a Master's Degree Necessary?
- Course 2: Building a Career That Involves Industry, Government, and Dean's Office Roles
- Course 3: Grant Submissions: The Other Side

AUPN Chair-Career Level Courses:

- Course 1: Creating a Culture Within Your Neurology Department
- Course 2: Faculty Recruitment and Retention: Lessons and Strategies
- Course 3: Burnout in Academic Neurology: How Bad is it, and What Can We Do to Prevent it?

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

2018 DETAILED PROGRAM

(SCHEDULE IS SUBJECT TO CHANGE)

FRIDAY, OCTOBER 19

4:30 PM–9:00 PM	<p>ANA-NINDS Career Development Symposium (by invitation only) 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.</p>
4:30 PM	<p>ANA-NINDS Career Development Symposium Registration</p>

SATURDAY, OCTOBER 20

8:00 AM–5:00 PM	<p>ANA-NINDS Career Development Symposium (by invitation only)</p>	
	7:15 AM–8:00 AM	Registration and Breakfast
	8:00 AM–5:00 PM	Program
3:00 PM–7:00 PM	<p>Annual Meeting Registration</p>	
6:00 PM–9:00 PM	<p>PRE-MEETING SYMPOSIUM: Viral Vectors in Neurotherapeutics*</p>	
	5:00 PM–6:00 PM	Buffet Dinner
	6:00 PM–9:00 PM	Session
	<p>Chair Conrad Wehl, MD, PhD <i>Washington University in St. Louis</i></p>	<p>Co-Chair Pedro Gonzalez-Alegre, MD, PhD <i>University of Pennsylvania</i></p>
	<p>Delivery of Adeno-Associated Viral Vectors for Neurological Diseases Krystof S. Bankiewicz, MD, PhD <i>University of California, San Francisco</i></p>	
	<p>Emerging Therapies for Neurogenetic Disorders Beverly L. Davidson, PhD <i>University of Pennsylvania</i></p>	
	<p>Challenges and Solutions on the Road to Approval of the First Gene Therapy for a Genetic Disease in the United States Katherine A. High, MD <i>Spark Therapeutics</i></p>	
	<p>Gene Therapy for Muscular Dystrophies Louise R. Rodino-Klapac, PhD <i>Ohio State University and Nationwide Children's Hospital</i></p>	
	<p>Viral vector-based gene delivery approaches for neurological disorders hold great promise. Just last year the first FDA approved AAV therapy moved into the clinic. However, there are many challenges to gene therapy that must be successfully navigated that include first in human toxicity studies, vector development, manufacturing and regulatory compliance. The goal of this symposium will be to demonstrate the basic science of viral vectors, pre-clinical model development, target identification and ultimately therapeutic trials using a powerful platform of gene-based delivery. These speakers will span industry to academics and a range neurologic disorders from the CNS to the peripheral nervous system.</p>	

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SUNDAY, OCTOBER 21					
6:00 AM–5:45 PM	Annual Meeting Registration Hours				
7:00 AM–9:00 AM	Breakfast				
7:00 AM–7:30 AM	<p>Trainee Breakfast with the ANA Board of Directors*</p> <p>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.</p>				
7:30 AM–9:00 AM	Professional Development Courses				
	<table border="1"> <tr> <td>Course I</td> <td>Students, Residents, and Fellows Career Level Early Careers in Academic Neurology</td> </tr> <tr> <td>Faculty</td> <td>Chair: Allison Willis, MD, MS, <i>University of Pennsylvania</i> Co-Chair: Rebecca Fasano, MD, <i>Emory University</i></td> </tr> </table>	Course I	Students, Residents, and Fellows Career Level Early Careers in Academic Neurology	Faculty	Chair: Allison Willis, MD, MS, <i>University of Pennsylvania</i> Co-Chair: Rebecca Fasano, MD, <i>Emory University</i>
	Course I	Students, Residents, and Fellows Career Level Early Careers in Academic Neurology			
	Faculty	Chair: Allison Willis, MD, MS, <i>University of Pennsylvania</i> Co-Chair: Rebecca Fasano, MD, <i>Emory University</i>			
	<p>This course is designed to provide information that will be useful in the first five years after residency. Speakers will talk about different career paths in academic neurology, and the transition from fellow to attending. Previous speakers have included the winners of the ANA Derek Denny-Brown Award, leading clinician- basic scientists, clinician- clinical scientists, and clinician-population scientists.</p>				
	<table border="1"> <tr> <td>Course I</td> <td>Early- to Mid-Career Level Is a Master's Degree Necessary?</td> </tr> <tr> <td>Faculty</td> <td>Laura Balcer, MD, MSCE, <i>New York University</i> Kathryn Davis, MD, MTR, <i>University of Pennsylvania</i> Andria Ford, MD, MSCL, <i>Washington University in St. Louis</i></td> </tr> </table>	Course I	Early- to Mid-Career Level Is a Master's Degree Necessary?	Faculty	Laura Balcer, MD, MSCE, <i>New York University</i> Kathryn Davis, MD, MTR, <i>University of Pennsylvania</i> Andria Ford, MD, MSCL, <i>Washington University in St. Louis</i>
Course I	Early- to Mid-Career Level Is a Master's Degree Necessary?				
Faculty	Laura Balcer, MD, MSCE, <i>New York University</i> Kathryn Davis, MD, MTR, <i>University of Pennsylvania</i> Andria Ford, MD, MSCL, <i>Washington University in St. Louis</i>				
<p>Speakers in this course will present the options and benefits of obtaining a master's degree after the MD. Questions posed include: Does it help you build your niche in Neurology? What specific skill sets are best served with master's degree programs? How do you get graduate work funded? How do you negotiate time and meld with clinical obligations?</p>					
<table border="1"> <tr> <td>Course I</td> <td>AUPN Chair-Career Level Course Creating a Culture Within Your Neurology Department</td> </tr> <tr> <td>Faculty</td> <td>Gregory L. Holmes, MD, <i>University of Vermont College of Medicine</i> Robin Brey, MD, <i>University of Texas San Antonio</i></td> </tr> </table>	Course I	AUPN Chair-Career Level Course Creating a Culture Within Your Neurology Department	Faculty	Gregory L. Holmes, MD, <i>University of Vermont College of Medicine</i> Robin Brey, MD, <i>University of Texas San Antonio</i>	
Course I	AUPN Chair-Career Level Course Creating a Culture Within Your Neurology Department				
Faculty	Gregory L. Holmes, MD, <i>University of Vermont College of Medicine</i> Robin Brey, MD, <i>University of Texas San Antonio</i>				
<p>Speakers during this session will explore the complexities of creating a culture within their academic neurology departments. The job of running an academic department has been compared to herding cats; faculty members have their own individual strengths and weaknesses, goals and needs, and if left alone tend to pursue their own interests with little regard for the overall goals of the department chair or the institution. Departmental goals may include high levels of clinical performance, improved research grant and publication productivity, outstanding educational achievement and improved financial performance. Aligning faculty and department goals to ensure consistently high level of performance across these missions can be challenging, particularly since large institutions may be inflexible and resources limited. How does a department chair create a culture of high performance, career satisfaction and engagement in which faculty members see their contributions to each of these missions as vital and important? How do you maintain this culture despite declining clinical reimbursements, lower grant funding rates, and increased educational expectations? What does it take to create a culture of excellence?</p>					
9:00 AM–9:15 AM	Break				

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

9:15 AM–11:15 AM	PLENARY SESSION: Vascular Contributions to Neurodegeneration
	<p>Chair: Rebecca Gottesman, MD, PhD, <i>Johns Hopkins University</i></p> <p>Co-Chair: Costantino Iadecola, MD, <i>Weill Cornell Medicine</i></p> <p>Blood-brain barrier: Structure, Function and Role in Neurodegenerative Disorders Berislav V. Zlokovic, MD, PhD <i>Zilkha Neurogenetic Institute, Keck School of Medicine</i></p> <p>Novel Imaging and Endothelial Biomarkers of Small Vessel Cerebrovascular Disease Charles DeCarli, MD, FAAN <i>University of California, Davis</i></p> <p>Genetic, Epigenetic and Omic Clues to the Biology of Vascular Contributions to Dementia Sudha Seshadri, MD, FANA, FAAN <i>Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Sciences Center</i></p> <p>Neurovascular Pathways to Cognitive Impairment: From Vascular Dementia to Alzheimer's Disease Costantino Iadecola, MD <i>Weill Cornell Medicine</i></p> <p>A growing body of evidence indicates that vascular factors play a role in Alzheimer's disease (AD) and other neurodegenerative diseases. Whereas clinical-pathological studies have demonstrated that vascular and neurodegenerative pathology coexist in over 50% of clinically-diagnosed AD, midlife vascular risk factors have emerged as important contributors to AD risk later in life. At the same time, basic science investigations have revealed a deleterious impact of Abeta and tau on neurovascular function and have unveiled previously-unappreciated pathways through which vascular dysfunction promotes neurodegenerative pathology. This session will explore how these recent developments have rekindled the view that vascular factors are critically important for cognitive health, even while their impact on the overall dementia landscape, still dominated by AD plaque and tangle pathology, remains unclear.</p>
11:15 AM–11:45 AM	Break
11:45 AM–1:00 PM	Lunch Served Boxed lunches available to be taken into Interactive Lunch Workshops
11:45 AM–1:00 PM	Interactive Lunch Workshops 1. Comprehensive Management of Large Arterial Cerebral Infarction (LACI) 2. Meet the NINDS* 3. Recent Advances in Movement Disorders 4. The Opioid Crisis and the Evolution of Pain Neuroscience Research
11:45 AM–1:00 PM	ANA-AUPN Career Fair*
12:00 PM–7:00 PM	Poster Viewing* Poster presenters will be in attendance from 5:30 PM–7:00 PM
1:15 PM–3:15 PM	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 2018 Derek Denny-Brown awardees, the Wolfe Research Prize awardee and the Grass Award recipient.
3:15 PM–3:30 PM	Break

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

3:30 PM–5:30 PM

Special Interest Group Sessions**1. Autoimmune Neurology**Chair: Jenny Linnoila, MD, PhD, *Massachusetts General Hospital*Co-Chair: Eric Lancaster, MD, PhD, *University of Pennsylvania*

Autoimmune Neurology encompasses the diagnosis and treatment of neurological disorders with an autoimmune basis. The last decade has seen a dramatic increase in the discovery of neural-specific autoantibodies and their target antigens. This SIG will explore advances in the field ranging from clinical practice to novel insights and immunologic mechanisms of injury.

2. Clinical LogicChair: Steven L. Galetta, MD, *NYU Langone Medical Center*Co-Chair: Raymond S. Price, MD, *University of Pennsylvania*

This session will be case-based, emphasizing general neurology, stroke and neuro-ophthalmology. The case studies will be selected from patients seen in consultation. The cases will be presented as unknowns to the audience including their history, examination and the diagnostic testing that was performed. Attendees will be encouraged to participate in the case discussions as they unravel. Lessons learned and the sources of diagnostic and management error will be emphasized.

3. Dementia and AgingChair: Jennifer Whitwell, PhD, *Mayo Clinic*Co-Chair: Eric McDade, DO, *University of Pittsburgh*

Age related neurodegenerative dementias comprise a wide range of syndromes. However, between different syndromes there are shared pathologies and likely shared mechanisms leading to the development of distinct diseases, yet, within diseases a significant variability in phenotypic expression. The 2018 Dementia and Aging SIG will highlight work exploring common mechanisms leading to the development of proteopathies with aging, the non-random distribution and progression of pathology, and the complex genetic risks that contribute to the development of dementia and the differences in clinical symptoms within specific dementias.

4. Education (Sponsored by AUPN)Chair: Charles C. Flippen, MD, *University of California, Los Angeles*Co-Chair: Guillermo E. Solorzano, MD, *University of Virginia*

Mentorship is an essential part of a successful career, but it is not always available or effectively implemented. Mentorship at all levels of the professional continuum should occur, including medical and graduate students, residents, fellows, and faculty members. The 2018 Education SIG will present an overview of what constitutes effective mentorship, followed by succinct presentations about mentorship at various career levels including residency, junior faculty, and senior leadership. Special consideration will be given to the mentorship of women and minorities, as well as the role of the mentee in this process. A lively discussion is expected to follow these presentations.

5. EpilepsyChair: Anli A. Liu, MD, *NYU Langone Comprehensive Epilepsy Center*Co-Chair: Shennen Aibel Weiss, MD, PhD, *Thomas Jefferson University*

Memory dysfunction is the most common cognitive comorbidity in patients with epilepsy, significantly impairing quality of life and contributing to disability. In the last 5 years, there has been increasing insight into the mechanisms of memory function and its failure, and memory remediation efforts have focused on medications and devices. This SIG will feature talks on the role of interictal discharges and high frequency oscillations in memory dysfunction, the use of direct cortical stimulation and pharmacology to enhance memory in patients with epilepsy, and using chronic ambulatory intracranial EEG to study memory physiology.



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

<p>3:30 PM–5:30 PM</p>	<p>6. Global Neurology Chair: Farrah J. Mateen, MD, PhD, <i>Massachusetts General Hospital and Harvard Medical School</i> Co-Chair: Ana-Claire Meyer, MD, <i>Yale University</i> The emerging field of global neurology includes a range of newly discovered and ancient neurological diseases. It also incorporates the complex social, economic, political, and scientific issues that affect the understanding of neurology at the macro-level. Focused on resource-limited groups, both abroad and within the U.S.A., this session will include experts on tropical medicine, vulnerable populations research, and novel technologies and therapies for neurological issues outside of our usual circumstances. Issues inherent to studying, practicing, and mentoring in resource-limited settings will also be included and debated.</p> <p>7. ANA-AH Headache (sponsored by the American Headache Society) Chair: Andrew C. Charles, MD, <i>University of California, Los Angeles</i> Co-Chair: Todd J. Schwedt, MD, <i>Mayo Clinic</i> Migraine is the most common neurological disease, making an up-to-date understanding of migraine mechanisms and treatments relevant for all neurologists and neuroscientists, regardless of their specialty. This SIG will focus on advances in the understanding of migraine mechanisms that have identified new therapeutic targets. Important data on headache disorders presented at the meeting will be highlighted, and new and emerging therapies for migraine and other headache disorders will be the topic of an interactive discussion.</p> <p>8. Neurocritical Care Chair: Wendy C. Ziai, MD, <i>Johns Hopkins University</i> Co-Chair: Kevin Sheth, MD, <i>Yale University</i> Consciousness in medicine has gradually entered mainstream neuroscience as novel methods and theoretical advances have opened the field for scientific and clinical progress. Unconsciousness is commonly seen in Neurocritical care settings, although interventions that modify awareness remain elusive. The speakers in this SIG will review neural correlates of consciousness, detection of awareness, prognostication and therapies in patients who remain unresponsive after brain damage.</p>
<p>5:30 PM–7:00 PM</p>	<p>Poster Presentation & Reception I*</p>
<p>7:00 PM–9:00 PM</p>	<p>Satellite Symposium* Medical Mystery: 53-Year-Old Female with Unexplained Severe Fatigue and Back Pain (Sponsored by Catalyst Pharmaceuticals)</p>



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MONDAY, OCTOBER 22							
6:30 AM–5:45 PM	Annual Meeting Registration Hours						
7:00 AM–9:00 AM	Breakfast						
7:30 AM–9:00 AM	Professional Development Courses						
	<table border="1"> <tr> <td>Course 2</td> <td>Students, Residents, and Fellows-Career Level Landing Your First Faculty Position — A Workshop for New Academic Neurologists</td> </tr> <tr> <td>Faculty</td> <td>Chair: Brett Kissela, MD, <i>University of Cincinnati</i> Co-Chair: Allison Willis, MD, MS, <i>University of Pennsylvania</i></td> </tr> <tr> <td colspan="2">During this interactive session, two faculty members will speak on the essential skills needed for a successful job seeking experience in Academic Neurology, then faculty and senior ANA members will break into smaller groups with attendees to practice interviewing skills, and to demonstrate and practice “elevator talks”.</td> </tr> </table>	Course 2	Students, Residents, and Fellows-Career Level Landing Your First Faculty Position — A Workshop for New Academic Neurologists	Faculty	Chair: Brett Kissela, MD, <i>University of Cincinnati</i> Co-Chair: Allison Willis, MD, MS, <i>University of Pennsylvania</i>	During this interactive session, two faculty members will speak on the essential skills needed for a successful job seeking experience in Academic Neurology, then faculty and senior ANA members will break into smaller groups with attendees to practice interviewing skills, and to demonstrate and practice “elevator talks”.	
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9:00 AM–9:15 AM	Break						

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<p>9:15 AM–11:15 AM</p>	<p>PLENARY SESSION PRESIDENTIAL SYMPOSIUM Lewy Body Dementia: From Symptoms to Synuclein</p> <hr/> <p>Chair: David M. Holtzman, MD, <i>Washington University in St. Louis</i></p> <p>Co-Chair: William T. Dauer, MD, <i>University of Michigan</i></p> <p>Faculty:</p> <p>Keynote Speaker Susan Schneider-Williams</p> <p>Clinical, Diagnostic and Prognostic Features of DLB Bradley F. Boeve, MD, <i>Mayo Clinic</i></p> <p>Cell-to-Cell Transmission of Misfolded Alpha-Synuclein as a Disease Mechanism in Lewy Body Dementia/Parkinson Dementia Virginia Man-Yee Lee, PhD, <i>University of Pennsylvania</i></p> <p>The Interplay of Mitochondria and Lysosomes in Neurodegeneration Dmitri Krainc, MD, PhD, <i>Northwestern University</i></p> <hr/> <p>Lewy body dementia (LBD) is the second most common type of degenerative dementia, yet little is understood about its pathogenesis including the cause of synuclein accumulation in the cerebral cortex, its spread through the brain, how synuclein leads to neuronal dysfunction, and the relationship of LBD to Parkinson's disease. This symposium will present the latest research in these areas, advancement of which is critical to developing novel therapies for LBD.</p>
<p>11:15 AM–11:45 AM</p>	<p>Executive Session of Membership* (All members are encouraged to attend)</p>
<p>11:45 AM–1:00 PM</p>	<p>Lunch Served (Boxed lunches available to be taken into Interactive Lunch Workshops)</p>
<p>11:45 AM–1:00 PM</p>	<p>Interactive Lunch Workshops</p> <ol style="list-style-type: none"> 1. Distinguishing Inflammatory Encephalopathies Beyond MS 2. Meet the Chairs* 3. Meet the Editors* 4. New Developments In Dystonia 5. Tumor Treating Fields for Glioblastoma and Other Malignancies



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11:45 AM–1:00 PM	<p>Additional Lunch Workshops</p> <p>1. 18th Annual Women of the ANA Lunch Program*</p> <table border="0"> <tr> <td style="padding-right: 10px;">Chair</td> <td>Eva Feldman, MD, PhD, <i>University of Michigan</i></td> </tr> <tr> <td>Co-Chair</td> <td>Lesli Skolarus, MD, MS, <i>University of Michigan</i></td> </tr> </table> <p>Women face different challenges at different stages in their careers. This year's Women of the ANA will feature three short talks. First, a new Assistant Professor; Dr. Mellanie Springer (Albert Einstein College of Medicine), will discuss her path to securing her first academic faculty position. Associate Professor Dr. Lesli Skolarus (University of Michigan) will discuss the challenges and opportunities of leading newly-formed research teams, and Professor and Chair Dr. Frances Jensen (University of Pennsylvania) will speak on decision making across the academic spectrum. After these brief talks, the attendees will break up into small groups to discuss their experiences surrounding these three topics with ample time devoted to peer-mentoring and to expanding the discussion to other academic topics of interest to attendees.</p> <p>2. American Board of Psychiatry and Neurology (ABPN) Maintenance of Certification (MOC) Program: Life-long Learning for Neurologists*</p> <table border="0"> <tr> <td style="padding-right: 10px;">Chair</td> <td>Allison Brashear, MD, <i>Wake Forest University</i></td> </tr> </table> <p>Dr. Brashear will lead the session by providing background on the ABMS MOC program, recent changes to the MOC program, and perspective on the future of MOC. Dr. Brashear will detail the four-part ABPN MOC Program, giving specific requirements related to self-assessment, CME, and performance in practice components.</p> <p>3. Media Roundtable (media attendees only)*</p> <table border="0"> <tr> <td style="padding-right: 10px; vertical-align: top;">Faculty</td> <td> <p>Advances in Cell-Based Therapies for Neurological Diseases M. Elizabeth Ross, MD, PhD, <i>Weill Cornell Medical College</i></p> <p>Inflammation and Neurological Disease: Friend or Foe? Justin C. McArthur, MBBS, MPH, <i>Johns Hopkins University</i></p> <p>Lewy Body Dementia: From Symptoms to Synuclein David M. Holtzman, MD, <i>Washington University in St. Louis</i></p> <p>Toward Disease-Modifying Therapies in Traumatic Brain Injury Ramon R. Diaz-Arrastia, MD, PhD, <i>University of Pennsylvania</i></p> <p>Vascular Contributions to Dementias Rebecca F. Gottesman, MD, PhD, <i>Johns Hopkins University</i></p> <p>Viral Based Vectors in Neurotherapeutics Conrad Wehl, MD, PhD, <i>Washington University in St. Louis</i></p> </td> </tr> </table> <p>ANA will host an interactive panel for members of the press discuss highlights of the key science being presented at the meeting.</p>	Chair	Eva Feldman, MD, PhD, <i>University of Michigan</i>	Co-Chair	Lesli Skolarus, MD, MS, <i>University of Michigan</i>	Chair	Allison Brashear, MD, <i>Wake Forest University</i>	Faculty	<p>Advances in Cell-Based Therapies for Neurological Diseases M. Elizabeth Ross, MD, PhD, <i>Weill Cornell Medical College</i></p> <p>Inflammation and Neurological Disease: Friend or Foe? Justin C. McArthur, MBBS, MPH, <i>Johns Hopkins University</i></p> <p>Lewy Body Dementia: From Symptoms to Synuclein David M. Holtzman, MD, <i>Washington University in St. Louis</i></p> <p>Toward Disease-Modifying Therapies in Traumatic Brain Injury Ramon R. Diaz-Arrastia, MD, PhD, <i>University of Pennsylvania</i></p> <p>Vascular Contributions to Dementias Rebecca F. Gottesman, MD, PhD, <i>Johns Hopkins University</i></p> <p>Viral Based Vectors in Neurotherapeutics Conrad Wehl, MD, PhD, <i>Washington University in St. Louis</i></p>
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12:00 PM–7:00 PM	<p>Poster Viewing*</p> <p>Poster presenters will be in attendance from 5:30 PM–7:00 PM</p>								
1:00 PM–1:15 PM	Break								

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<p>1:15 PM–3:15 PM</p>	<p>PLENARY SESSION Inflammation and Neurological Disease: Friend or Foe?</p> <table border="1"> <tr> <td>Chair</td> <td>Justin C. McArthur, MBBS, MPH, <i>Johns Hopkins University</i></td> </tr> <tr> <td>Co-Chair</td> <td>Ellen Mowry, MD, MCR, <i>Johns Hopkins University</i></td> </tr> <tr> <td>Faculty</td> <td> <p>Toxic and Protective Effects of Neuroinflammation in Alzheimer’s and Other Neurodegenerative Diseases Katrin Andreasson, MD, <i>Stanford University School of Medicine</i></p> <p>Inhibition of the JAK/STAT Pathway Protects Against α-Synuclein-Induced Neuroinflammation and Dopaminergic Neurodegeneration Ety (Tika) N. Benveniste, PhD, <i>University of Alabama at Birmingham</i></p> <p>NG2 Cells as Mediators of CNS Inflammation and Failed Endogenous Remyelination in Multiple Sclerosis Peter Calabresi, MD, <i>Johns Hopkins University</i></p> <p>Unintended Consequences of the Therapeutic Promotion of Inflammation: Neurologic Complications of Immune Checkpoint Inhibitors Michelle L. Mauermann, MD, FAAN, <i>Mayo Clinic</i></p> </td> </tr> </table> <p>Inflammation within the central nervous system plays a key role in classic neuroimmunological disorders such as multiple sclerosis, as well as in diseases traditionally categorized as purely degenerative like Alzheimer’s disease. Nonetheless, there is increasing recognition of the fact that some inflammatory processes actually facilitate brain health. This symposium will take a closer look at how an improved understanding of these processes may help facilitate therapeutic strategies that are tailored to influence specific components of inflammation.</p>	Chair	Justin C. McArthur, MBBS, MPH, <i>Johns Hopkins University</i>	Co-Chair	Ellen Mowry, MD, MCR, <i>Johns Hopkins University</i>	Faculty	<p>Toxic and Protective Effects of Neuroinflammation in Alzheimer’s and Other Neurodegenerative Diseases Katrin Andreasson, MD, <i>Stanford University School of Medicine</i></p> <p>Inhibition of the JAK/STAT Pathway Protects Against α-Synuclein-Induced Neuroinflammation and Dopaminergic Neurodegeneration Ety (Tika) N. Benveniste, PhD, <i>University of Alabama at Birmingham</i></p> <p>NG2 Cells as Mediators of CNS Inflammation and Failed Endogenous Remyelination in Multiple Sclerosis Peter Calabresi, MD, <i>Johns Hopkins University</i></p> <p>Unintended Consequences of the Therapeutic Promotion of Inflammation: Neurologic Complications of Immune Checkpoint Inhibitors Michelle L. Mauermann, MD, FAAN, <i>Mayo Clinic</i></p>
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<p>3:15 PM–3:30 PM</p>	<p>Break</p>						
<p>3:30 PM–5:30 PM</p>	<p>Special Interest Group Sessions</p> <p>1. Behavioral Neurology Chair: David T. Jones, MD, <i>Mayo Clinic</i> Co-Chair: William W. Seeley, MD, <i>University of California, San Francisco</i> Intensive clinical, radiographic, and pathologic characterization of patients has always been a cornerstone of the field of Behavioral Neurology. Understanding individual differences, or phenotypic heterogeneity, in these detailed characterizations is fundamental to neurobiology and patient care. This SIG will provide cutting-edge updates on phenotypic heterogeneity from thought leaders across various disciplines important for the practice of Behavioral Neurology.</p> <p>2. Cerebrovascular Disease and Interventional Neurology Chair: Santiago Ortega-Gutiérrez, MD, MSc, <i>University of Iowa</i> Co-Chair: Magdy H. Selim, MD, PhD, <i>Beth Israel Deaconess Medical Center</i> The Cerebrovascular and Interventional Neurology session will cover new advances in managing acute ischemic and hemorrhagic stroke. Attendees will learn about management of cryptogenic stroke, the changing paradigm in acute ischemic therapy from clock-based to tissue-based selection of appropriate candidates for reperfusion therapy, the new imaging methods to identify high-risk unruptured aneurysm and the stroke risk associated with carotid webs.</p> <p>3. Health Services Research Chair: Brian C. Callaghan, MD, MS, <i>University of Michigan Health System</i> Co-Chair: Nabila Dahodwala, MD, MS, <i>University of Pennsylvania</i> There is a wide gap between the goals of delivering efficient and effective neurologic care and the reality of daily practice. This SIG will facilitate conversation among researchers, clinician-scientists, policymakers, and students to build research skills and disseminate recent findings related to healthcare use, outcomes, quality, delivery, access, disparities, and economics. Improved knowledge in these areas will help attendees develop strategies to improve care and develop new policy initiatives.</p> <p>4. Movement Disorders Chair: Kathleen Poston, MD, MS, <i>Stanford University</i> Co-Chair: Alexander Y. Pantelyat, MD, <i>Johns Hopkins University</i> Our limited understanding of the pathogenesis of movement disorders hampers the discovery and development of novel therapeutic strategies. In this SIG, leading scientists will present the latest findings on the molecular pathogenesis of Parkinson disease, Huntington disease, Tourette syndrome, and primary dystonia. This SIG will also include a collection of short talks by junior investigators featuring recent, exciting discoveries in Movement Disorders. All speakers will emphasize how these novel findings may translate into new therapeutic approaches for movement disorders.</p>						

3:30 PM–5:30 PM	<p>5. Multiple Sclerosis Chair: Ellen Mowry, MD, MCR, <i>Johns Hopkins University</i> Co-Chair: Justin C. McArthur, MBBS, MPH, <i>Johns Hopkins University</i> There is growing evidence that obesity and related comorbidities play a role in multiple sclerosis (MS) risk and prognosis. This SIG will focus on the epidemiologic evidence supporting the role of obesity (and on relevant underlying biological mechanisms) in MS. Data from randomized controlled trials in MS as well as a discussion regarding the challenges of their conduct and interpretation will be presented. Data blitz speakers will be selected from submitted abstracts that address related topics, when possible.</p>
	<p>6. Neuromuscular Disease Chair: Jayashri Srinivasan, MBBS, PhD, FRCP, <i>Lahey Clinic and Tufts University School of Medicine</i> Co-Chair: Margherita Milone, MD, PhD, <i>Mayo Clinic</i> The field of neuromuscular medicine has seen remarkable advances in the diagnostic and therapeutic arena. This session will cover the latest in research in key areas of the field including motor neuron disease, neuropathies, neuromuscular junction disorders and myopathies. Emphasis will be placed on the latest cutting-edge research developments.</p>
	<p>7. Neuro-oncology Chair: Timothy Gershon, MD, PhD, <i>University of North Carolina at Chapel Hill</i> Co-Chair: Santosh Kesari, MD, PhD, <i>John Wayne Cancer Institute</i> Recent discoveries in genomics and stem cell biology have had dramatic effects on brain tumor biology and treatment. Notably, molecular features of brain tumors are now considered during classification. This SIG will review findings demonstrating molecular heterogeneity within brain tumors, the biological mechanisms of tumor development and progression, and new therapies for brain cancer.</p>
	<p>8. Sleep Disorders and Circadian Rhythm Chair: Miranda Lim, MD, PhD, <i>Portland VA and Oregon Health & Science University</i> Co-Chair: David M. Raizen, MD, PhD, <i>University of Pennsylvania</i> Sleep and circadian biology plays an integral, and often critical, role in the pathogenesis, manifestation, and treatment of neurological disorders. This SIG will feature both junior and senior clinician-scientists at the forefront of sleep and circadian rhythms research. The session will highlight new advances in the field, spanning from basic neurobiology to clinical management of sleep and circadian rhythm disorders.</p>
	<p>9. Traumatic Brain Injury Chair: Christopher C. Giza, MD, <i>University of California, Los Angeles</i> Co-Chair: Dongming Cai, MD, PhD, <i>Icahn School of Medicine at Mount Sinai</i> Traumatic brain injury (TBI) is on track to be one of the top three causes of death and disability worldwide in 2020 (not a contest one wants to win). But TBI is actually a series of different pathophysiological disorders, linked by having a biomechanical origin. TBI may strike across all demographics and a broad range of injury severities. This section will cover the broad range of these injuries with perspectives from severe TBI, concussion and mild TBI and basic science pathophysiology. Clinicians and researchers will benefit from a translational perspective on this complex problem.</p>
5:30 PM–7:00 PM	Exhibits*
5:30 PM–7:00 PM	Poster Presentation & Reception II*
7:00 PM–7:30 PM	New Member Meet & Greet with ANA Past Presidents & Current Leadership*
7:30 PM–9:00 PM	President’s Reception*

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

TUESDAY, OCTOBER 23

6:30 AM–2:15 PM	Annual Meeting Registration Hours
7:00 AM–8:45 AM	Breakfast
7:00 AM–8:30 AM	Professional Development Courses
	Course 3 Students, Residents, and Fellows-Career Level Marketing for Scientists
	Faculty Chair: Allison Willis, MD, MS, <i>University of Pennsylvania</i> Dawn Fallik, <i>University of Delaware</i>
	This course will discuss techniques for interacting with the press, promoting scientific work in a way that shapes the public debate and increases society's knowledge. Topics covered will include giving compelling presentations, using social media like Facebook and Twitter.
	Course 3 Early- to Mid-Career Level Grant Submissions: The Other Side
	Faculty Walter Koroshetz, MD, <i>National Institute of Neurological Disorders and Stroke</i> Christina Marra, MD, <i>University of Washington, Seattle</i>
This course is intended to demystify what happens to your grant application once submitted. Dr. Koroshetz, director of the National Institute of Neurological Disorders and Stroke (NINDS) will outline the application's path from the center for scientific review (CSR) to study section, how NIH sets priorities for funding streams, what goes into priority scores, and how institutes determine the funding cutoff each cycle and fiscal year. The relationship between NIH and congressional budget and factors that enter into long term planning when the budget is set on a 12-month timeline. Dr. Marra will discuss the steps that go into study section assembly and review, the various types of panels, including standing study sections, special emphasis panels, in person and internet assisted reviews. She will also present the review criteria by which study section members critique an application.	
Course 3 AUPN Chair-Career Level Burnout in Academic Neurology: How Bad is it, and What Can We Do to Prevent it?	
Faculty L. John Greenfield, MD, PhD, <i>University of Connecticut School of Medicine</i> Patrick Reynolds, MD, <i>Wake Forest University</i>	
Career dissatisfaction among healthcare providers is reaching epidemic proportions, with more than 50% of practitioners suffering symptoms of burnout. This may be particularly true for academic physicians who face the additional burdens of performing research, writing papers and grants, administrative duties and teaching medical students and residents. Burnout involves loss of the feeling that one's work is important, valued and meaningful. It damages the physician patient relationship, causing depersonalization and loss of the vital connection and the pleasure of patient interactions. Career dissatisfaction may reduce clinical and academic productivity, can lead to depression and induce physicians to leave academics or medicine entirely. These effects are magnified in the academic setting due to the loss of potential lifesaving research and the cascading effect of poor satisfaction on the training of medical students and residents. Dr. John Greenfield will present results from a survey of clinical faculty at UConn Health and its ramifications for academic departments. Dr. Patrick Reynolds will discuss burnout among Neurology residents and ongoing efforts to understand and mitigate this problem. The focus will be to provide tools for improving career satisfaction among academic neurologists and neurologists in training.	
8:30 AM–8:45 AM	Break

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

8:45 AM–10:45 AM	<p>PLENARY SESSION Advances in Cell-Based Therapies for Neurological Diseases</p> <p>Chair: M. Elizabeth Ross, MD, PhD, <i>Weill Cornell Medicine</i></p> <p>Co-Chair: Jack M. Parent, MD, <i>University of Michigan</i></p> <p>Faculty:</p> <ul style="list-style-type: none"> Hematopoietic Stem-Cell Gene Therapy for Cerebral Adrenoleukodystrophy Florian S. Eichler, MD, <i>Massachusetts General Hospital and Harvard Medical School</i> Developing a Pluripotent Stem Cell-Based Cell Therapy for Parkinson's Disease Lorenz Studer, MD, <i>Memorial Sloan Kettering Cancer Center</i> Stem Cell Therapies for Amyotrophic Lateral Sclerosis Jonathan D. Glass, MD, <i>Emory University School of Medicine</i> Toward Cell Based Therapy for Retinal Diseases Donald Zack, MD, PhD, <i>Johns Hopkins University</i> <p>Recent proof-of-principle studies of cell-based therapy for CNS disorders are leading to approaches currently in or nearing early phase clinical trials. This symposium highlights cell-based approaches under investigation for several neurological diseases. It will present both pre-clinical and first-in-human trial data suggesting that engrafted cells may prove therapeutically effective, offering prospects for reaching the clinic in the near foreseeable future. Included will be use of genetically engineered autologous (the patient's own) or heterologous stem cells manipulated through gene delivery or genome editing. Discussion will include the challenges ahead for these approaches and will provide informed projections regarding the realizable applications of these technologies.</p>
10:45 AM–11:00 AM	Break
11:00 AM–12:00 PM	<p>Boxed Lunches Boxed lunches available to be taken into Interactive Lunch Workshops</p>
11:00 AM–12:00 PM	<p>Interactive Lunch Workshops</p> <ol style="list-style-type: none"> 1. Genotype-Phenotype Relationships in Neurological Disease 2. Lifespan Research on Autism 3. Pharmaceutical Costs for Neurologic Disorders 4. Update on Neuro-infectious Diseases
11:00 AM–12:00 PM	<p>Additional Lunch Workshop AUPN's Networking Lunch for Small Academic Departments of Neurology*</p> <p>Moderator: Gretchen E. Tietjen, MD, <i>University of Toledo</i></p> <p>While all Neurology departments share some common attributes, there are challenges unique to smaller academic departments, including handling teaching and clinical service responsibilities, while protecting time for research and faculty development. This lunch, sponsored by the AUPN and hosted by Gretchen E. Tietjen, MD, Chair of Neurology at the University of Toledo since 1998, provides an opportunity for chairs of smaller departments to meet, discuss issues and share strategies.</p>
12:00 PM–12:15 PM	Break



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

<p>12:15 PM–2:15 PM</p>	<p>PLENARY SESSION Toward Disease-Modifying Therapies in Traumatic Brain Injury</p> <p>Chair: Steven L. Small, MD, PhD, <i>University of California, Irvine</i></p> <p>Co-Chair: Ramon Diaz-Arrastia, MD, PhD, <i>University of Pennsylvania</i></p> <p>Faculty: Concussion, Traumatic Brain Injury, and Chronic Traumatic Encephalopathy: Lessons from the Battlefield, Ball Field, and Lab Bench Lee E. Goldstein, MD, PhD, <i>Boston University School of Medicine</i></p> <p>Rehabilitation for Severe TBI: Evidence Based Approaches and Expert Opinion with Insights from Basic Sciences Including an Update on Delayed Neurodegeneration David L. Brody, MD, PhD, <i>The Uniformed Services University of the Health Sciences</i></p> <p>Traumatic Brain Injury: A Precision Medicine Approach Geoff Manley, MD, PhD, <i>University of California, San Francisco</i></p> <p>Pediatric TBI and Concussion: The Most Complex Injury to the Most Complex Organ Christopher C. Giza, MD, <i>University of California, Los Angeles</i></p> <p>Traumatic brain injury (TBI) is one of the most common human afflictions, yet until recently, the acute and chronic consequences of TBI were often ignored and considered beyond the reach of medical science. Over the past few years, in association with growing societal, governmental, and academic recognition of the effects of TBI (particularly in the context of sports-related concussions and military service-related head injuries), there have been remarkable advances in the clinical and basic neuroscience of TBI. Correspondingly, the field of TBI pathobiology has transformed into one of the most dynamic and fertile areas of neuroscience research. This symposium will convene researchers focused on the mechanisms and manifestations of acute and chronic human TBI, ranging from mild to severe, with the goal of pointing the direction for future clinical trials of disease-modifying therapies.</p>
<p>2:15 PM</p>	<p>Meeting Adjourns</p>



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

2018 REGISTRATION RATES

2018 PRE-MEETING SYMPOSIUM REGISTRATION

	EARLY BIRD RATES	STANDARD/ONSITE RATES
Symposium-Only Attendees and One-Day Annual Meeting Attendees	\$125	\$125
Member/Non-Member Symposium-Only Attendees and One-Day Annual Meeting Attendees from LLMIC*	\$50	\$50
ANA Annual Meeting Registrants	\$95	\$95
Member/Non-Member Students/Resident/Grad Fellow/Post Doc	\$60	\$60

TICKETED EVENTS — MONDAY, OCTOBER 22, 2018: PRESIDENT'S RECEPTION

Guest Pass	\$50 PER GUEST
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2018 ANNUAL MEETING FULL REGISTRATION RATES (EARLY BIRD)

	EARLY BIRD RATES	WITH PRE-MEETING SYMPOSIUM	WITH ANA MEETING ESSENTIALS PACKAGE**	WITH ANA MEETING ESSENTIALS PACKAGE** AND PRE-MEETING SYMPOSIUM
Non-Member	\$660	\$755	\$760	\$855
Member	\$460	\$555	\$540	\$635
Member/Non-Member from LLMIC*	\$160	\$160	\$210	\$210
Fellow	\$460	\$555	\$540	\$635
Corresponding Member	\$460	\$555	\$540	\$635
Corresponding Fellow	\$460	\$555	\$540	\$635
Senior Member	\$360	\$455	\$440	\$535
Honorary Member	\$360	\$455	\$440	\$535
Member/Non-Member - Student/Resident/Grad Fellow/Post Doc	\$160	\$220	\$210	\$270
Past President	COMPLIMENTARY	COMPLIMENTARY	\$80	\$80

2018 ANNUAL MEETING FULL REGISTRATION RATES (STANDARD/ONSITE)

	STANDARD/ONSITE RATES	WITH PRE-MEETING SYMPOSIUM	WITH ANA MEETING ESSENTIALS PACKAGE**	WITH ANA MEETING ESSENTIALS PACKAGE** AND PRE-MEETING SYMPOSIUM
Non-Member	\$710	\$805	\$810	\$905
Member	\$510	\$605	\$590	\$685
Member/Non-Member from LLMIC*	\$160	\$160	\$210	\$210
Fellow	\$510	\$605	\$590	\$685
Corresponding Member	\$510	\$605	\$590	\$685
Corresponding Fellow	\$510	\$605	\$590	\$685
Senior Member	\$410	\$505	\$490	\$585
Honorary Member	\$410	\$505	\$490	\$585
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Past President	COMPLIMENTARY	COMPLIMENTARY	\$80	\$80

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	EARLY BIRD RATES	WITH PRE-MEETING SYMPOSIUM	WITH ANA MEETING ESSENTIALS PACKAGE**	WITH ANA MEETING ESSENTIALS PACKAGE** AND PRE-MEETING SYMPOSIUM
Non-Member	\$460	\$585	\$610	\$735
Member	\$335	\$460	\$435	\$560
Member/Non-Member from LLMIC*	\$50	\$100	\$100	\$150
Fellow	\$335	\$460	\$435	\$560
Corresponding Member	\$335	\$460	\$435	\$560
Corresponding Fellow	\$335	\$460	\$435	\$560
Senior Member	\$335	\$460	\$435	\$560
Honorary Member	\$335	\$460	\$435	\$560
Member/Non-Member - Student/Resident/Grad Fellow/Post Doc	\$60	\$120	\$110	\$170
Past President	COMPLIMENTARY	COMPLIMENTARY	\$100	\$100

2018 ANNUAL MEETING ONE DAY REGISTRATION RATES (STANDARD/ONSITE)

	STANDARD/ONSITE RATES	WITH PRE-MEETING SYMPOSIUM	WITH ANA MEETING ESSENTIALS PACKAGE**	WITH ANA MEETING ESSENTIALS PACKAGE** AND PRE-MEETING SYMPOSIUM
Non-Member	\$510	\$635	\$660	\$785
Member	\$385	\$510	\$485	\$610
Member/Non-Member from LLMIC*	\$50	\$100	\$100	\$150
Fellow	\$385	\$510	\$485	\$610
Corresponding Member	\$385	\$510	\$485	\$610
Corresponding Fellow	\$385	\$510	\$485	\$610
Senior Member	\$385	\$510	\$485	\$610
Honorary Member	\$385	\$510	\$485	\$610
Member/Non-Member - Student/Resident/Grad Fellow/Post Doc	\$60	\$120	\$110	\$170
Past President	COMPLIMENTARY	COMPLIMENTARY	\$100	\$100

* LLMIC = low- or lower-middle-income country as defined by the World Bank which can be accessed [here](#).

** The ANA Meeting Essentials 2018 package includes recorded Plenary and SIG presentations from the October 2018 ANA Annual Meeting. Using ANA OnDEC, the ANA's new online education portal, you may easily view the videos and secure AMA PRA Category 1 Credits™.

***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.

PRE-MEETING SYMPOSIUM

Register online at 2018.myana.org/event-registration no later than 11:59 PM ET on Monday, September 17, 2018 in order to receive the early bird rates. After September 17, standard/onsite 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 17, 2018. 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 17, 2018, will forfeit 100% of monies paid.

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ON-SITE REGISTRATION HOURS

Saturday, October 20 3:00 PM–7:00 PM

Sunday, October 21 6:00 AM–5:45 PM

Monday, October 22 6:30 AM–5:45 PM

Tuesday, October 23 6:30 AM–2:15 PM

POSTER HOURS

Sunday, October 21 12:00 PM–7:00 PM

Monday, October 22 12:00 PM–7:00 PM

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 Hyatt Regency Atlanta at a conference rate of \$219 (plus taxes) per night for a traditional single or double room.

The special group room rate will be available through September 26, 2018 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 2018.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 Hyatt Regency Atlanta. 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.

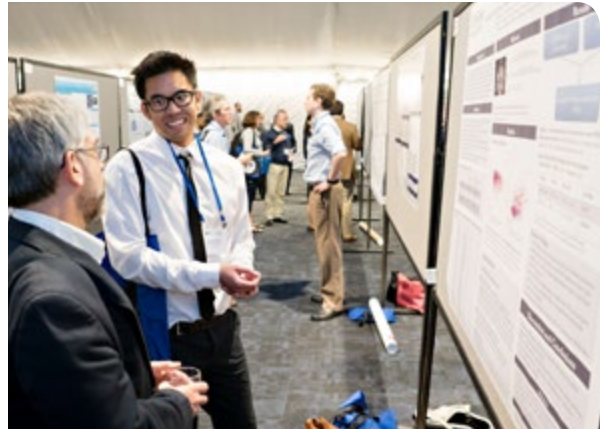
GENERAL HOTEL INFORMATION

Hyatt Regency Atlanta
265 Peachtree Street, NW
Atlanta, GA 30303

Hyatt Regency Atlanta is a landmark destination located in the heart of downtown Atlanta. With its signature Polaris Blue Dome, this beautiful 22-story building is one of America's premier meeting and convention venues and one of the top Atlanta luxury hotels. The hotel is connected to the MARTA transit system allowing for easy access to major attractions, great neighborhoods, and popular business centers.

MAIN PHONE: (404) 577-1234
GUEST FAX: (404) 588-4137
CHECK-IN TIME: 3:00 PM | CHECK-OUT TIME: 12:00 PM

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 143rd 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 24 AMA PRA Category I Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Board of Psychiatry and Neurology has reviewed the 143rd 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 2018.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 I Credit(s)[™].

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KEY MEETING INFORMATION

HOTEL RESERVATION DEADLINE:

SEPTEMBER 26, 2018

Book Online: 2018.myana.org/housing

EARLY REGISTRATION DEADLINE:

SEPTEMBER 17, 2018

Online Registration:

2018.myana.org/event-registration

MEETING CONTACTS:

PHONE: (856) 638-0423

HOURS: MON–FRI | 9:00 AM–5:00 PM ET

REGISTRATION & MEETING QUESTIONS:

meetings@myana.org

MEETING LOCATION:

Hyatt Regency Atlanta

265 Peachtree Street, NW Atlanta, GA 30303

2019 ANNUAL MEETING:

144th Annual Meeting of the American Neurological Association

OCTOBER 13–15, 2019

St. Louis, MO

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2018 ANNUAL MEETING

IMPORTANT DATES

REGISTRATION
OPENS

**APRIL 3,
2018**

LATE-BREAKING
ABSTRACTS

**MAY 2–JUNE 4,
2018**

EARLY BIRD
DEADLINE

**SEPTEMBER 17,
2018**

HOUSING
DEADLINE

**SEPTEMBER 26,
2018**

PRE-MEETING
SYMPOSIUM

OCTOBER 20, 2018

143RD
ANNUAL MEETING

**OCTOBER 21–23,
2018**