

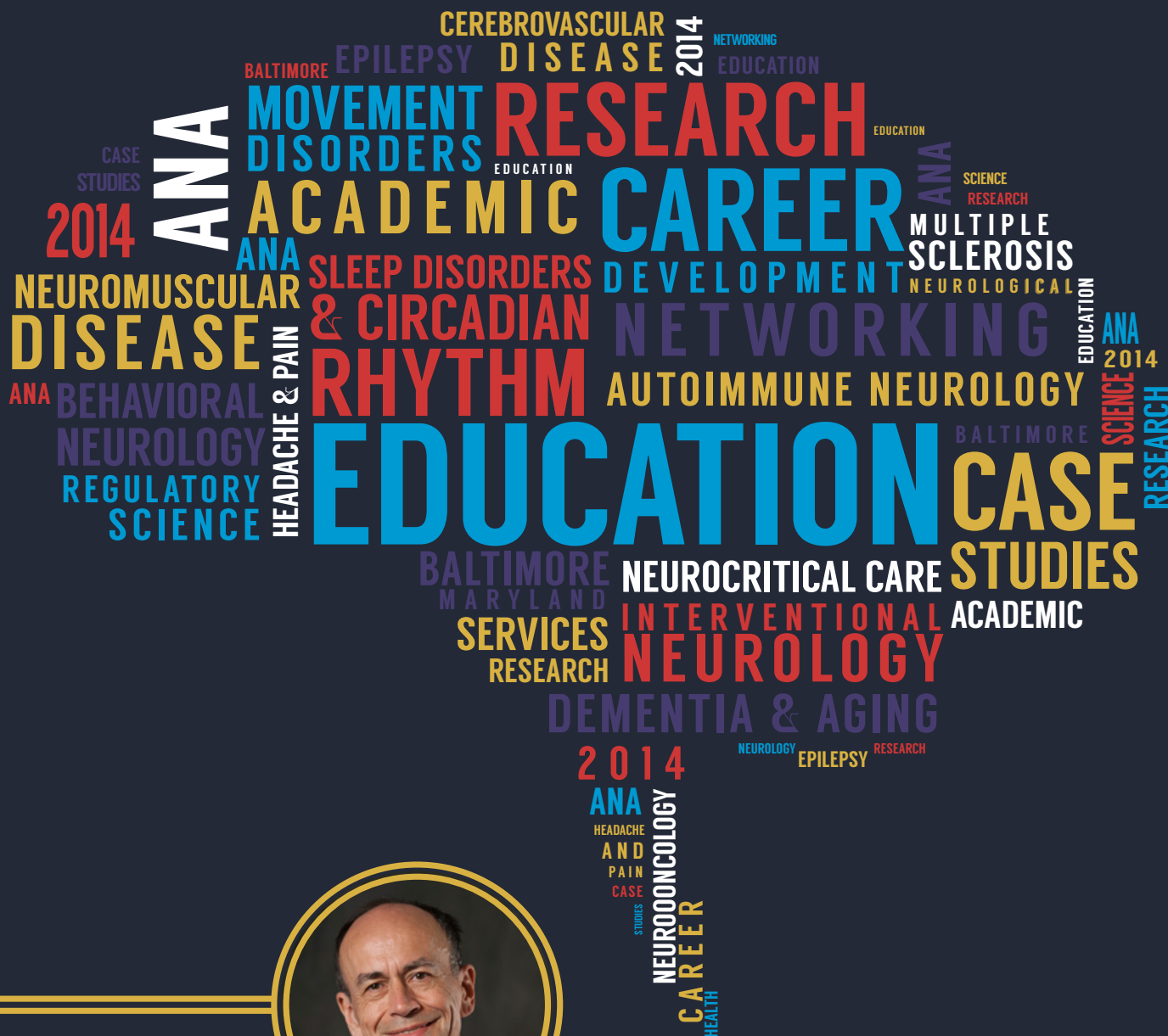
ANA 2014

139TH ANNUAL MEETING

www.aneuroa.org/ana2014

PROGRAM GUIDE

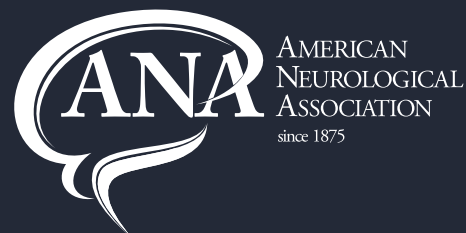
OCTOBER 12-14, 2014 • BALTIMORE, MARYLAND



KEYNOTE ADDRESS

By **Thomas C. Südhof, M.D.**

Avram Goldstein Professor,
Stanford University School of Medicine
Investigator, Howard Hughes Medical Institute
2013 Nobel Laureate in Physiology or Medicine



DEAR COLLEAGUES,

The American Neurological Association (ANA) is delighted to report that the 139th Annual Meeting will be held October 12-14, 2014, in Baltimore. We are particularly pleased to report that we will sponsor a keynote address on synaptic physiology by Thomas Südhof, M.D., Avram Goldstein Professor at the Stanford University School of Medicine, Investigator at the Howard Hughes Medical Institute, and recipient of the 2013 Nobel Prize in Physiology or Medicine.

The annual meeting will feature a wide range of educational sessions, including courses in career development, scientific symposia covering a broad spectrum of subspecialty areas, clinical updates and the stunning announcement of results from clinical trials in C9ORF72 ALS/FTD and in CGRP and Migraine-Gepants. Attendees will also find a slate of up-to-the-minute presentations from disease-specific interest groups.

The ANA continues to evolve to meet the needs of our ever changing academic neurology community. We have a growing set of new members among neurologists from the U.S., an expanding roster of Ph.D. neuroscientists within neurology departments as well as colleagues from overseas. Our mission remains unchanged: our goal is to develop an even stronger cadre of neuroscientists to participate in investigations of neurological illnesses and their therapies.

In addition to the outstanding programming, we are pleased to mention that our 2014 Annual Meeting will afford each of us the opportunity to welcome and celebrate our colleagues from the Mexican Academy of Neurology. We are thrilled to continue the tradition of recognizing colleagues and collaborators from overseas as was done in the last two years with the French Societe Francaise de Neurologie in 2013 and the Association of British Neurologists in 2012. This coincides with new efforts within the ANA to consider potential programs to extend collaborations in neurological teaching and research with academic neurologists overseas.

We are confident that this year's ANA Annual Meeting will be exceptional. Take a moment to peruse the enclosed advance program and be sure to save the date. We look forward to seeing you in Baltimore October 12-14.

With best regards,



Robert H. Brown, Jr., D.Phil., M.D.
ANA President
University of Massachusetts



Sam Pleasure, M.D., Ph.D.
Chair, Scientific Program, Advisory Committee
University of California, San Francisco

POINTS OF INTEREST

SYMPOSIA

- Novel Concepts in Pain Generation and Treatment
- Derek Denny-Brown Young Neurological Scholar Symposium
- Diseases of the Synapse
- BRAIN and Connectome: Initiatives Shaping the Future of Clinical Neuroscience
- Presidential Symposium: The Expanding Roles of Repeat Mutations in ALS and Related Diseases
- Neurological Challenges Posed by Recurring and New Viral Infections

SPECIAL INTEREST GROUP SYMPOSIA (SIGS)

- Neuromuscular Disease
- Headache and Pain
- Autoimmune Neurology
- Cerebrovascular Disease
- Movement Disorders
- Education
- Dementia and Aging
- Neurocritical Care
- Epilepsy
- Case Studies
- Neuro-oncology
- Sleep Disorders and Circadian Rhythm
- Multiple Sclerosis
- Behavioral Neurology
- Health Services Research
- Interventional Neurology
- Regulatory Science

INTERACTIVE LUNCH WORKSHOPS

- Motor Recovery After Stroke
- Prion Diseases
- Micro-RNA in Neurological Diseases: Insights into Biology and New Treatments
- Cognitive Outcome in Sepsis/Critical Illness
- Meet the Neurology Department Chairs
- Next Generation Sequencing in Diagnosis of Neuromuscular Diseases
- Minimally Invasive Surgery ICH and IVH
- Tao Imaging Session
- New vs. Old Epilepsy Drugs OR Epilepsy Genetics
- Meet the NINDS
- Autoimmune/Encephalitis in 2014

- Multimodal Monitoring in EEG
- Small Vessel Phenotype: Lumping, Splitting, Reimaging
- NeuroNEXT
- Meet The Editors

OTHER LUNCHES

- AUPN's Networking Lunch for Small Academic Departments of Neurology
- New Member Meet & Greet
- ABPN MOC Program: Lifelong Learning for Neurologists
- 14th Annual Women of the ANA Lunch Program
- ANA Liaisons Lunch

FACULTY DEVELOPMENT COURSES

EARLY CAREER DEVELOPMENT

- Choosing Your Career Path: the Sky is the Limit
- Getting Funded/Grant Writing
- A Survival Kit for the Academic Neurologist

MID / SENIOR LEVEL FACULTY DEVELOPMENT

- Developing a Novel, Transparent, and Equitable Departmental Compensation Plan
- Enhancing Diversity and Inclusion in Academic Neurology
- Negotiation and Conflict Resolution

THE ASSOCIATION OF UNIVERSITY PROFESSORS OF NEUROLOGY (AUPN) CHAIR COURSE

- Recruitment and Retention of Women in Academic Neurology
- What Neurology Departments Look Like from the Perspective of the Dean's Office
- Structuring Compensation in Academic Neurology

SCIENTIFIC POSTER PRESENTATIONS

- Over 400 scientific posters will be displayed
- Neurological subspecialties will be represented
- New posters will be presented daily
- Posters will be available Sunday and Monday from 5:30 pm – 7:00 pm

REGISTRATION INFORMATION

HOW TO REGISTER

Register online at www.aneuroa.org/ANA2014 no later than Midnight EST on **Thursday, September 25, 2014** in order to receive the discounted early bird rates. After September 25, onsite registration fees will apply. Please be sure to indicate which social events you plan to attend.

Once you've registered online, you will receive a confirmation email. If you don't receive a confirmation or have difficulty with online registration, please contact our office at 856-380-6917.

CANCELLATION POLICY

To cancel your registration and receive a refund, a written request must be received by October 3, 2014. Cancellation requests received by this date will receive a refund less a \$50.00 cancellation processing fee. All requests after October 6, 2014, will forfeit 100% of monies paid.

ON-SITE REGISTRATION HOURS

Saturday, October 113:00 pm – 7:00 pm
 Sunday, October 126:00 am – 5:45 pm
 Monday, October 136:30 am – 5:45 pm
 Tuesday, October 146:30 am – 5:45 pm

CONFERENCE REGISTRATION RATES

MEMBERSHIP CATEGORY	Early Bird Fee	Regular/on-site Fee
ANA Member/Fellow	\$400	\$450
ANA Member/Fellow One Day	\$275	\$325
ANA Corresponding Member/Fellow	\$400	\$400
ANA Senior Fellow	\$300	\$300
ANA Honorary Fellow	\$300	\$300
Non-Member	\$600	\$650
Non-Member One Day	\$400	\$450
Student/Resident/Fellow/Post Doc	\$100	\$100

GUEST PASSES	Early Bird Fee	Regular/on-site Fee
President's Reception	\$50	\$50

SPECIAL REQUIREMENTS

If you have special needs and may require accommodations in order to fully participate in the program, please contact the Executive Office at 856-380-6917.

ACCEPTED CREDIT CARDS

Visa, Mastercard, American Express

HOST HOTEL

Baltimore Marriott Waterfront Hotel

700 Aliceanna St. | Baltimore, MD 21202

<https://www.aneuroa.org/anahotel> | Reservations: 1-877-212-5752

Group Rate Code: Please reference the American Neurological Association

The 2014 Annual Meeting will be held at the Baltimore Marriott Waterfront. The hotel is 15 minutes from the Baltimore/Washington International Thurgood Marshall Airport (BWI) and about 1 mile from Baltimore's Penn Station.

A block of rooms have been reserved for ANA meeting attendees at a discounted room rate of **\$199.00** (plus tax) per night.

Discounted rates are available until **Thursday, September 25, 2014**, or until the block is filled. After this date, reservations and rates are subject to availability. You may make reservations online by visiting <https://www.aneuroa.org/hotel> or by contacting the hotel at the number listed above. Refer to the American Neurological Association to qualify for our group rate.

Staying at the host hotel is convenient and helps you get more out of the conference by providing you with more opportunities to network with your peers. It also helps the ANA meet its contractual obligations and keep future registration fees reasonable. Please take this into consideration when making your accommodation decision.

GROUP ACCOMMODATIONS

All requests for blocks of 10 or more rooms require the approval of the ANA and should be arranged directly with the Baltimore Marriott Waterfront. You will be asked to sign a rooms contract for all blocks of 10 or more rooms. The ANA's conference rates will apply.

ACCREDITATION & DESIGNATION STATEMENT(S)

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 **26.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For detailed CME information, please reference the *CME Information & Instructions Program Insert* onsite at the American Neurological Association's 2014 Annual Meeting.

Please Note: A session that has an asterisk (*) next to the session title, is a session not available for AMA PRA Category 1 Credits™.

PROGRAM

SATURDAY, OCTOBER 11

3:00 – 7:00 pm

ANNUAL MEETING REGISTRATION

SUNDAY, OCTOBER 12

6:00 am – 5:45 pm

ANNUAL MEETING REGISTRATION

7:30 am – 9:00 am

FACULTY DEVELOPMENT COURSES

Choosing Your Career Path: the Sky is the Limit

Early Career Level

Chairs: Joachim M. Baehring, M.D., D.Sc., *Yale University*
David Greer, M.D., MA, FCCM, FANA, FNCS, *Yale University*

This session presents examples of successful careers in Academic Neurology. The speakers will share with the audience how they chose their path, how they identified mentors that proved influential on their career path and how they have been able to manage patient care and academic work as well as extracurricular activities. They will describe key steps in their career, their struggles and rewarding experiences.

Developing a Novel, Transparent, and Equitable Departmental Compensation Plan

Mid/Senior Level

Chair: Daniel Lowenstein, M.D., *University of California, San Francisco*
Co-Chair: William Schwartz, M.D., *University of Massachusetts*

Faculty: David Paydarfar, M.D., *University of Massachusetts Medical School*

Faculty in academic neurology departments are responsible for a wide range of activities that include caring for hospitalized and ambulatory patients, performing neuropsychological and neurophysiological tests, conducting extramurally-funded research programs, and educating students, residents, and fellows. Such job heterogeneity is a challenge for compensation plans, since it is clear that departments cannot function with plans that would drive faculty to choose their activities based only on revenue considerations, leaving other duties unfulfilled.

Recruitment and Retention of Women in Academic Neurology

AUPN/Chair Level

Chair: David Fink, M.D., *University of Michigan*

Faculty: Frances Jensen, M.D., *University of Pennsylvania*
Karen Furie, M.D., MPH, *Brown University*

Despite the fact that women now represent half of the students in most medical school classes, women remain under-represented in most Neurology departments; a problem that is particularly acute on the tenure track and in senior leadership

positions. Two women chairs of Neurology, Dr. Frances Jensen (University of Pennsylvania) and Dr. Karen Furie (Brown University) will discuss this issue, using their own experience as faculty and now as chair, to identify key challenges and potential solutions.

9:15 am – 11:15 am

SYMPOSIUM: Novel Concepts in Pain Generation and Treatment

Chairs: Steve Scherer, M.D., Ph.D., *University of Pennsylvania*
Charlotte Sumner, M.D., *Johns Hopkins University*

Faculty: Wenqin Luo, M.D., Ph.D., *University of Pennsylvania*
Florian Eichler, M.D., *Harvard Medical School*
Steve Waxman, M.D., Ph.D., *Yale University*
Peter Goadsby, MBBS, *University of California San Francisco*

Neuropathic pain is one of the most difficult treatment challenges in clinical neurology. In this symposium, recent advances in our understanding of the molecular and anatomical organization of nociceptors and their circuits will be reviewed. In addition, novel concepts of pain generation in painful peripheral neuropathies and headache will be discussed as well as the rationale for novel therapeutics currently in clinical trials.

11:00 am – 7:00 pm

POSTER HALL OPEN

(Poster Stand-by 5:30 pm – 7:00 pm)

11:30 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

These workshops are “lunch and learns”

- Motor Recovery After Stroke
- Prion Diseases
- Micro-RNA in Neurological Diseases: Insights into Biology and New Treatments
- Cognitive Outcome in Sepsis/Critical Illness
- Meet the Neurology Department Chairs*

11:45 am – 1:00 pm

AUPN's Networking Lunch for Small Academic Departments of Neurology*

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 Tietjen, M.D., 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.

* Sessions that are not scheduled to receive CME

PROGRAM (CONTINUED)

11:45 am – 1:00 pm

New Member Meet & Greet*

This session is open to all new members of the ANA who wish to learn more about the ANA and what it can offer. This interactive discussion will also allow new members to provide feedback to the ANA.

1:15 pm – 3:15 pm

SYMPOSIUM: Derek Denny-Brown Young Neurological Scholar Symposium

Chair: Thomas Sutula, M.D., Ph.D., *University of Wisconsin, Madison*

This session will include a presentation by the ANA's Derek Denny-Brown Neurological Award recipients.

3:30 pm – 5:30 pm

SPECIAL INTEREST GROUP SYMPOSIA

Neuromuscular Disease

Chair: Tahseen Mozaffar, M.D., *University of California, Irvine*

Co-Chair: Catherine Lomen-Hoerth, M.D., Ph.D., *University of California, San Francisco*

This SIG is on neuromuscular disease, and we intend to cover the latest in research, and therapeutics in key areas of Neuromuscular Diseases. We are planning "senior" leader talks on ALS and other motor neuron diseases, Muscular Dystrophies and other myopathies and Peripheral Nerve disorders.

Headache and Pain

Chair: James Couch, M.D., Ph.D., *University of Oklahoma College of Medicine*

Co-Chair: Andrew H. Ahn, M.D., Ph.D., *University of Florida College of Medicine*

Headache, and migraine in particular, is singularly the most common neurological condition, and the treatment of the primary headache disorders is a major role for neurologists regardless of subspecialty. This SIG will provide an update on the increasingly complex and rapidly evolving medication and procedure options for migraine, and will provide a roadmap to the latest research that provides key insights into the understanding and treatment of headache.

Autoimmune Neurology

Co-Chairs: Josep Dalmau, M.D., Ph.D., *University of Pennsylvania*
Sean Pittock, M.D., *Mayo Clinic*

Autoimmune Neurology is a rapidly emerging new subspecialty that encompasses the diagnosis and treatment of neurological disorders with an autoimmune (paraneoplastic or non-cancer associated) basis. The last decade has seen a dramatic increase in discovery of neural-specific autoantibodies and their target antigens. This SIG is designed to help neurologists stay current in clinical practice and our three invited faculty will provide an up to date review of what's "new" in Autoimmune Neurology.

Cerebrovascular Disease

Co-Chairs: Steven Warach, M.D., Ph.D., *University of Texas Southwestern*

Anthony Kim, M.D., *University of California, San Francisco*

The Cerebrovascular Special Interest Group session will feature prominent leaders in stroke prevention, acute treatment, and recovery along with new investigators making innovative contributions to the field. The focus of the session will be on reviewing and disseminating key recent clinical evidence in stroke and to identify targets for ongoing clinical discovery in an interactive format to maximize opportunities for collaboration and mentorship.

Movement Disorders

Chair: William Dauer, M.D., *University of Michigan*

Co-Chair: Nicole Calakos, M.D., Ph.D., *Duke University*

Our limited understanding of the pathogenesis of movement disorders is a key barrier preventing the discovery and development of novel therapeutic strategies. In the 2014 Movement Disorders SIG, leading scientists will present the latest findings on the molecular pathogenesis of Parkinson disease, Huntington disease, Tourette's syndrome and primary Dystonia. The 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.

Education

Chair: Ralph Jozefowicz, M.D., *Mayo Clinic*

Co-Chair: Steven Lewis, M.D., *Rush University*

Mentorship is key to a successful career, but it is not always available or effectively implemented. Mentorship at all levels of the professional continuum should occur, including medical student, graduate student, resident, fellow and faculty member. The 2014 Education SIG will present an overview of what constitutes effective mentorship, followed by succinct presentations about mentorship at various levels of one's career, including residency, junior faculty, and senior leadership. Special consideration will also 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.

5:30 pm – 7:00 pm

POSTER PRESENTATIONS & RECEPTION*

* Sessions that are not scheduled to receive CME

PROGRAM (CONTINUED)

MONDAY, OCTOBER 13

6:30 am – 5:45 pm

ANNUAL MEETING REGISTRATION

7:30 am – 9:00 am

FACULTY DEVELOPMENT COURSES

Getting Funded/Grant Writing

Early Career Level

Chairs: Joachim M. Baehring, M.D., D.Sc., *Yale University*
David Greer, M.D., MA, FCCM, FANA, FNCS, *Yale University*

This session is all about funding. Two senior speakers will provide the NIH and an extramural perspective on funding opportunities and grant writing strategies. During an interactive session, attendees will have the opportunity to discuss actual grant writing issues with the speakers.

Enhancing Diversity and Inclusion in Academic Neurology

Mid/Senior Level

Chairs: Daniel Lowenstein, M.D., *University of California, San Francisco*
Roy Hamilton, M.D., M.S., *University of Pennsylvania*

The purpose of this session is to raise awareness of the importance of fostering a vibrant and dynamic environment of inclusion in Neurology departments of the 21st Century, and to understand that this involves active engagement with trainees and faculty of various ethnicities, races, genders, gender identities, sexual orientations, historical traditions, ages, religions, disabilities, veteran status, and socioeconomic backgrounds. We will also explore unconscious bias as a potential barrier to inclusion in fields like neurology. Participants will consider the role of mentorship and other supports in facilitating the career advancement of persons from disadvantaged or historically underserved groups. Finally, participants will be challenged to consider specific strategies that may work to enhance diversity in their home institutions.

What Neurology Departments Look Like from the Perspective of the Dean's Office

AUPN/Chair Level

Chair: David Fink, M.D., *University of Michigan*

Faculty: Ray Watts, M.D., *University of Alabama at Birmingham*

Neurologists come to the table with a deep-seated belief that neurology is important and brings value to the academic, clinical and research missions of their institutions; a view that is not always shared by the institutional administration. Ray Watts has a unique perspective on the relationship between the Neurology Department and the institutional leadership, having served as Chair of the Department of Neurology, then Senior Vice President and Dean of the School of Medicine, and now as President of the University of Alabama at Birmingham. Every institution is unique, but Dr. Watts will use his experience to discuss how one institution sees neurology, and what general principles we might glean regarding interaction with senior administration.

9:15 am – 11:15 am

SYMPOSIUM: Diseases of the Synapse

Chairs: Stanley Prusiner, M.D., *University of California, San Francisco*
Ming Guo, M.D., Ph.D., *University of California, Los Angeles*

Faculty: Thomas Südhof, M.D., *Stanford*

Matthew State, M.D., Ph.D., *University of California, San Francisco*
Beth Stevens, Ph.D., *Children's Hospital Harvard*

The development and maintenance of synapse are crucial for neuronal function, and dysfunction of synapse can lead to neuropsychiatric disorders such as autism, schizophrenia and neurodegeneration. In this symposium, we will have 3 distinguished physicians and/or scientists, including the Nobel Laureate in 2013, Dr. Tom Südhof, to discuss the latest advance in synapse biology as it relates to human diseases. This will benefit academic neurologists and neuroscientists and hopefully guide future therapies.

11:15 am – 11:45 am

EXECUTIVE SESSION OF MEMBERSHIP

11:00 am – 7:00 pm

POSTER HALL OPEN

(Poster Stand-by 5:30 pm – 7:00 pm)

11:30 am – 1:00 pm

LUNCH SERVED

11:45 am – 1:00 pm

INTERACTIVE LUNCH WORKSHOPS

These workshops are "lunch and learns"

- Next Generation Sequencing for Diagnosis of Neuromuscular Diseases
- Minimally Invasive Surgery ICH and IVH
- Tao Imaging Session
- New vs. Old Epilepsy Drugs OR Epilepsy Genetics
- Meet the NINDS*

11:45 am – 1:00 pm

14th Annual Women of the ANA Lunch Program

Co-Chairs: Kathleen Digre, M.D., *University of Utah*
Karen Johnston, M.D., MSc, *University of Virginia*

The Women of the ANA have been meeting for over 10 years to promote woman in academic neurology. The speaker and focus of this year's lunch is to be determined.

11:45 am – 1:00 pm

ABPN MOC Program: Lifelong Learning for Neurologists*

Dr. Faulkner will lead the session off by providing background on the ABMS MOC program, recent changes to the MOC program, and perspective on the future of MOC. Dr. Faulkner will detail the four-part ABPN MOC Program, giving specific requirements related to self-assessment, CME, and performance in practice components.

* Sessions that are not scheduled to receive CME

PROGRAM (CONTINUED)

1:15 pm – 3:15 pm

SYMPOSIUM: BRAIN and Connectome: Initiatives Shaping the Future of Clinical Neuroscience

Chairs: Samuel Pleasure, M.D., Ph.D., *University of California, San Francisco*

William Seeley, M.D., *University of California, San Francisco*

Faculty: Joshua Sanes, Ph.D., *Harvard Medical School*
 Marcus Raichle, M.D., *Washington University in St. Louis*
 R. Clay Reid, M.D., Ph.D., *Allen Brain Institute*
 Edward Chang, M.D., *University of California, San Francisco*

This symposium will discuss the goals of the BRAIN and Human Connectome Initiatives with talks explaining these efforts from two of the leading scientists involved in their conception and planning. Then there will be two talks from scientists using complex approaches to examine connectivity and function in human and model organisms.

3:30 pm – 5:30 pm

SPECIAL INTEREST GROUP SYMPOSIA

Dementia and Aging

Chair: Henry Paulson, M.D., *University of Michigan*

Co-Chair: Mike Greicius, M.D., MPH, *Stanford*

This symposium will provide updates on three highly topical issues in age-related dementia from three leaders in the field. Brad Dickerson will consider recent advances in tau PET imaging. Applications in Alzheimer's disease and non-Alzheimer dementias will be discussed. Jeff Rothstein will describe new insights into the mechanisms by which the C9ORF72 expansion causes neurodegeneration in FTD and ALS. Our final speaker, Nilufer Ertekin-Taner, will discuss novel genetic insights into Alzheimer's disease. She will highlight some of the limitations of genome-wide association studies (GWAS) and explore complementary approaches that can strengthen or expand upon GWAS findings. In addition, three submitted abstracts complementing these themes will be chosen for brief presentations. The symposium will conclude with a question and answer session involving all the speakers.

Neurocritical Care

Chair: Alejandro Rabinstein, M.D., *Mayo Clinic*

Co-Chair: J. Claude Hemphill, M.D., *University of California, San Francisco*

The SIG will aim at closing the knowledge gap in key Neurocritical Care topics through presentations from experts who will integrate available evidence with their clinical experience. A second part of the session will highlight the best new original research in the Neurocritical Care field.

Epilepsy

Chair: Sydney Cash, M.D., Ph.D., *Massachusetts General Hospital Boston*

Co-Chair: Robert Knowlton, M.D., *University of California, San Francisco*

This Special Interest Group session will cover emerging research topics in epilepsy research. The invited speakers' work covers a broad range of different aspects of epilepsy research from basic science to translation investigations. This includes pathophysiology, epidemiology, genetics and physiology as well as the opportunities and hurdles in doing research for the improving care of patients with epilepsy.

Case Studies

Chair: Martin Samuels, M.D., DSc(hon), FAAN, MACP, FRCP, *Brigham and Women's Hospital*

Co-Chair: S. Andrew Josephson, M.D., *University of California, San Francisco*

Neurologists are often faced with problems that fall in the interface between neurology and internal medicine. This is particularly evident when functioning as the consultant on the wards and in the ambulatory center of general hospitals. This special interest group will be led by two experienced clinical neurologists, S. Andrew Josephson and Martin A. Samuels, who have a special interest in medical neurology. The session will be case-based and audience participation will be encouraged.

Neuro-oncology

Co-Chairs: Amy Pruitt, M.D., *University of Pennsylvania*

John Laterra, M.D., Ph.D., *Johns Hopkins University*

This Special Interest Group will focus on recent discoveries in the genetic, epigenetic, and tumor micro-environmental mechanisms relevant to the diagnosis, subclassification and therapy of adult and pediatric primary brain malignancies. Lead speakers will include Elizabeth Gerstner (Harvard University), Ingo Mellinghoff (Memorial Sloan Kettering) and Scott Pomeroy (Harvard University). This SIG will address practice gaps related to the application of molecular diagnostics and antiangiogenic agents to brain cancer diagnosis and therapy.

Sleep Disorders and Circadian Rhythm

Chair: Louis Ptacek, M.D., *University of California, San Francisco*

Co-Chair: Cliff Saper, M.D., Ph.D., *Harvard Medical School*

We understand very little about sleep despite that the average human spends ~1/3 of his/her life in this state. It has become clear that chronic sleep disruption and desynchrony of the clock has broad implications for human health and disease. However, appreciation for the risks of sleep deprivation are where our understanding of the risk of smoking was 40 or 50 years ago. The purpose of this SIG is to promote broader understanding of sleep phenotypes and the implications these have on health of the nervous system.

5:30 pm – 7:00 pm

POSTER PRESENTATIONS & RECEPTION*

7:30 pm – 9:00 pm

ANA PRESIDENT'S RECEPTION

* Sessions that are not scheduled to receive CME

PROGRAM (CONTINUED)

TUESDAY, OCTOBER 14

6:30 am – 5:45 pm

ANNUAL MEETING REGISTRATION

7:30 am – 9:00 am

FACULTY DEVELOPMENT COURSES

A Survival Kit for the Academic Neurologist

Early Career Level

Chairs: Joachim M. Baehring, M.D., DSc, *Yale University*
David Greer, M.D., MA, FCCM, FANA, FNCS, *Yale University*

This session helps course participants understand the finances of academic Neurology including P&L statements, RVUs, indirect costs, and more. Two journal editors (*Annals of Neurology*, *Journal of Neuroscience*) will describe the scope of their journal, provide insight in the review process, and offer their senior advice on how to identify the appropriate journal for a certain type of work.

Negotiation and Conflict Resolution

Mid/Senior Level

Chair: Daniel Lowenstein, M.D., *University of California, San Francisco*
Co-Chair: William Schwartz, M.D., *University of Massachusetts*

Faculty: Seth Izen, Project Manager for the Middle East Center and Peace and Conflict Studies, *University of Massachusetts, Lowell*

Conflicts are an inevitable part of our professional and private lives, and effective negotiating skills are key to their successful resolution. For many, negotiation is seen as a *win-lose* proposition, with each side taking an extreme position and then bargaining by bluffing, bullying, or adopting other deceptive or aggressive tactics. But it doesn't have to be that way.

Structuring Compensation in Academic Neurology

AUPN/Chair Level

Chair: David Fink, M.D., *University of Michigan*

Faculty: Merit Cudkowicz, M.D., *Massachusetts General Hospital*
Robert Macdonald, M.D., Ph.D., *Vanderbilt University*

The increased emphasis in recent years on matching faculty workplan to salary source has created new challenges to neurology departments. Funds flow for activities important for the department academic mission may not adequately cover the faculty effort required, while conversely clinical revenue generated in some subspecialties puts pressure on the traditional academic compensation model. There is no simple solution to this problem, but Robert Macdonald, Chair of Neurology at Vanderbilt and Merit Cudkowicz, Chief of Neurology at MGH will discuss their experience and approach to the problem.

9:15 am – 11:15 am

SYMPOSIUM: Presidential Symposium: The Expanding Roles of Repeat Mutations in ALS and Related Diseases

Chairs: Robert Brown, D.Phil, M.D., *University of Massachusetts Medical School*
Laura Ranum, Ph.D., *University of Florida*

Faculty: Robert Brown, D.Phil, M.D., *University of Massachusetts Medical School*

Bryan Traynor, M.D., *National Institute of Health (NIH)*

Len Petrucelli, Ph.D., *Mayo Clinic, Florida*

Laura Ranum, Ph.D., *University of Florida*

A hexanucleotide repeat expansion mutation was recently reported as the most common cause of amyotrophic lateral sclerosis and frontotemporal dementia (ALS/FTD). This discovery has ignited an explosion of research into the molecular mechanisms and potential therapeutic targets of this disease. Recent evidence suggests three distinct pathways may contribute to disease: protein loss of function, RNA gain of function and the accumulation of six unexpected aggregation-prone proteins expressed by a novel mechanism of protein translation: repeat associated non-ATG (RAN) translation.

11:30 am – 1:00 pm

LUNCH SERVED

11:45 am – 1:00 pm

INTERACTIVE LUNCH WORKSHOPS

These workshops are "lunch and learns"

- Autoimmune/Encephalitis in 2014
- Multimodal Monitoring in EEG
- Small Vessel Phenotype: Lumping, Splitting, Reimaging
- NeuroNEXT
- Meet the Editors*

11:45 am – 1:00 pm

ANA Liaisons Lunch*

This Luncheon is for all ANA Neurology Department Liaisons and will be led by ANA President, Dr. Robert Brown.

* Sessions that are not scheduled to receive CME

PROGRAM (CONTINUED)

1:15 pm – 3:15 pm

SYMPOSIUM: Neurological Challenges Posed by Recurring and New Viral Infections

Chairs: Micheline McCarthy, M.D., Ph.D., *University of Miami*
Avindra Nath, M.D., *National Institutes of Health (NIH)*

Faculty: Ronald Ellis, M.D., *University of California, San Diego*
Eugene Major, Ph.D., NINDS, *National Institutes of Health (NIH)*
Joseph R. Berger, M.D., *University of Pennsylvania*
Larry Davis, M.D., *University of New Mexico*
W. Ian Lipkin, M.D., *Columbia University*

Recurring and new viral infections pose unique neurological challenges in the 21st century. More patients are living with chronic HIV-1 infection due to early diagnosis and use of anti-viral drugs. As these patients age, however, the “living well” may be vulnerable to premature cognitive decline or neuroimmunological complications of chronic infection. Progressive multi-focal leukoencephalopathy (PML) was a complicating opportunistic infection during the era of AIDS. But in this era of managed HIV infection, PML has re-emerged as an insidious complication of the use of immunomodulatory therapies to treat both systemic and neurological auto-immune disease or to prevent organ rejection after transplant. Epidemic flaviviruses, notably West Nile Virus and Dengue, are emerging as recurring causes of neurological disease in regions subject to epidemic viral fevers. Neurological complications of these viruses, as well as yet uncharacterized viral encephalitides may be difficult to diagnose and detect, much less treat. This symposium will discuss current views of the pathogenesis and management of these neurovirological infections, and will also address new molecular microbiological and immunological diagnostic methods that illuminate the role of the microbiome in health and disease.

3:30 pm – 5:30 pm

SPECIAL INTEREST GROUP SYMPOSIA

Multiple Sclerosis

Co-Chairs: Benjamin Segal, M.D., *University of Michigan*
Ari Green, M.D., *University of California, San Francisco*

This section will focus on multiple sclerosis as a neurodegenerative disease. Invited speakers will discuss emerging understanding of the cellular and molecular biology of MS disease progression, clinical methods for assessing risk of progression using biomarkers, state-of-the-art techniques for monitoring disease progression using imaging, and cutting-edge therapeutic efforts aimed at protecting and restoring function in patients with MS. Platform speakers will also be selected from submitted abstracts that address understanding, monitoring or treating progression in MS.

Behavioral Neurology

Co-Chairs: Maurizio Corbetta, M.D., *Washington University in St. Louis*
Marilu Gorno Tempini, M.D., Ph.D., *University of California, San Francisco*

This interest group will focus on the new method of electrocorticography (ECOG) to study brain functions and its application in behavioral neurology/neuroscience. Invited speakers will discuss the methodology of ECOG as applied to cognitive neuroscience/behavioral neurology issues; the utilization of ECOG for brain-computer interface and brain stimulation; and ECOG potential for future treatment of neurological disorders. Platform speakers will also be selected from submitted abstracts that relate to the issue of cortical stimulation and network analysis of brain disorders

Health Services Research

Chair: Kevin Kerber, M.D., M.S., *University of Michigan*
Co-Chair: David Newman-Toker, M.D., Ph.D., *Johns Hopkins University*

There is a wide gap between the goals to deliver efficient and effective neurologic care and the reality of practice. In the HSR SIG, information about specific practice gaps and opportunities will be presented and discussed.

Interventional Neurology

Chair: Dileep R. Yavagal, M.D., *University of Miami*
Co-Chair: Sam Zaidat, M.D., *Medical College of Wisconsin*

Interventional Neurology is a new subspecialty for neurologists focused on catheter based minimally invasive diagnosis and therapy of mainly neuromuscular disorders. The field is rapidly advancing with new therapeutic devices and biological therapies such as stem cells being added to the armamentarium of the interventional neurologist. Scientific data to facilitate evidence based practice has also steadily accumulated for these new therapies. The SIG in interventional neurology will address advances in Flow diverter stents for treatment of wide-neck cerebral aneurysms, acute stroke intervention for ischemic stroke, update the audience on results from the recently completed first US intra-arterial stem cell clinical trial for stroke, and address the diagnosis and management of neuromuscular dural arteriovenous fistulas. These topics will substantially address the practice gaps in keeping up with the recent advances in the field for all neurologists.

Regulatory Science

Chair: Bernard Ravina, M.D., MSCE, *Voyager Therapeutics*
Co-Chair: Merit Cudkovicz, M.D., *Massachusetts General Hospital*

The SIG will focus on The Regulatory Framework and Clinical Trial Design Options for Rare Diseases. There is a knowledge gap in developing therapies for rare diseases. The regulatory pathways and options for clinical trials are different than for other populations. The SIG will directly address these gaps with presentations from regulatory experts and academic clinical researchers/statisticians

5:30 pm – Adjourn

* Sessions that are not scheduled to receive CME



KEYNOTE ADDRESS

By Thomas C. Südhof, M.D.

Avram Goldstein Professor,
Stanford University School of Medicine
Investigator, Howard Hughes Medical Institute
2013 Nobel Laureate in Physiology or Medicine



FUTURE MEETINGS

September 27-29, 2015 • Chicago

October 16-18, 2016 • Baltimore



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