

The Society of Neurological Surgeons

110th Meeting in the 99th Year
May 18-21, 2019



Hosted by
University of Washington
Seattle



American
Association of
Neurological
Surgeons

Jointly Provided by the AANS

SNS MISSION / PROGRAM PURPOSE

The Society of Neurological Surgeons holds as its principal mission:

To advance the quality of care of neurosurgical patients by promoting excellence in education and research.

The Society fulfills its mission by pursuing the following goals:

- Continue development of the field of neurological surgery, including graduate and postgraduate education.
- Bestow recognition upon persons of outstanding ability and excellence in their work and teaching. Such recognition is bestowed by appointment to membership or by appearance on the program at appropriate times.
- Enhance the role and stature of neurosurgical units in academic medical centers.
- Ensure that patients with nervous system disease receive the highest quality care.
- Encourage and support research in neuroscience.

This live meeting, titled *The Future of Education in the New Millenium*, will include lectures by renowned specialists and invited speakers, workshops, panel discussions and opportunities for questions and answers. Attending neurosurgeons and program coordinators involved in neurosurgical residency training and graduate medical education are the intended audience for this program.

Jointly Provided by the AANS

**Welcome to the
Society of Neurological Surgeons
110th Meeting in the 99th Year**

Hosted by
University of Washington
Department of Neurological Surgery Seattle

***The Future of Education in the
New Millennium***

Upon completion of this program, participants should be able to:

- Identify components of the evaluation of Faculty Evaluators
- Describe the role of Program Director
- Describe approaches to developing leadership within departments and health care systems
- Identify routes for neurosurgical research training across the spectrum from medical student to faculty
- Describe mechanisms for incorporating research in residency training
- Identify strategies for achieving competence and autonomy in the operating room

SCIENTIFIC AND SOCIAL PROGRAM

FRIDAY, May 17, 2019

4:00-6:00 p.m. Registration *Fairmont Olympic Hotel*

SATURDAY, May 18 – Executive Council Members Only

7:00-8:00 a.m. Members and PD Breakfast *Fairmont Olympic Hotel,
Spanish Foyer*

11:30 a.m.-4:00 p.m. Executive Council Meeting *Fairmont Olympic Hotel,
Senate Room*

SATURDAY, May 18 – All

7:00 a.m.-5:00 p.m. Registration *Fairmont Olympic Hotel,
Spanish Foyer*

RESIDENCY PROGRAM DIRECTOR AND COORDINATOR SESSION

*Fairmont Olympic Hotel,
Spanish Ballroom*

8:00-8:55 a.m. **Educating the Educators -**
Moderator: Griffith Harsh, MD

8:00-8:15 a.m. What is a Program Director? - *Nicholas Barbaro, MD*

8:15-8:30 a.m. How to Evaluate Faculty Evaluators - *Michael Haglund, MD, PhD*

8:30-8:45 a.m. Creating Professionalism and the Culture of Neurosurgery
Karin Muraszko, MD

8:45-8:55 a.m. Questions and Discussion

8:55-9:15 a.m. Posting Cases for the ABNS – *Carl Heilman, MD*

9:15-9:30 a.m. Case-Based ABNS Experience: What's Going on Out There?
Richard G. Ellenbogen

9:30-9:50 a.m. **Break**

9:50-10:35 a.m. One Neurosurgery Summit Leadership Report Out -
*Daniel Barrow, MD, John Wilson, MD, Steven Kalkanis, MD, Carl
Heilman, MD, Nicholas Barbaro, MD, E. Antonio Chiocca, MD, PhD,
Katie Orrico, JD*

10:35-10:50 a.m. Questions and Discussion

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- 10:50-11:10 a.m. Mandating a Neurosurgery Rotation for Medical Students:
The Columbia Experience – *E. Sander Connolly, MD*
- 11:10-11:30 a.m. Resident Selection Process vs. Dr. Death - *M. Sean Grady, MD*
- 11:30-11:50 a.m. Transition-to-Practice: Making it Relevant - *Richard Byrne, MD*
- 11:50 a.m.-Noon. Questions and Discussion
- Noon-1:00 p.m. **Lunch: Fairmont Olympic Hotel**
Spanish Foyer with additional seating in the Metropole Room
- 1:00-4:00 p.m. **RRC Update, OR Competency, RUNN Course and Medical Student Engagement**
Moderator: Oren Sagher, MD
- 1:00-1:30 p.m. RRC Update: *Pamela Derstine, PhD.*
- 1:30-1:45 p.m. Questions and Discussion
- 1:45-2:00 p.m. **Break**
- 2:00-2:30 p.m. Social Learning Theory Applied to Competency Based Intra-operative Teaching - *Michael Haglund, MD*
- 2:30-2:45 p.m. Questions and Discussion
- 2:45-3:15 p.m. Impact of the RUNN Course on My Career - *Suzanne Tharin, MD, PhD*
- 3:15-3:25 p.m. Questions and Discussion
- 3:25-3:45 p.m. Early Medical School Engagement and Neurosurgical Interest Groups - *Michael McDowell, MD, UPMC Resident*
- 3:45-4:00 p.m. Medical Student Committee Update - *Stacey Wolfe, MD*
- 4:00-6:00 p.m. SNS Committee Meetings
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|----------------|--------------------------------------|------------|
| 4:00-6:00 p.m. | CAST Meeting | St. James |
| 4:30-5:30 p.m. | CoRE and Resident Courses Committees | Windsor |
| 4:30-5:30 p.m. | Portal Leadership Discussion | Senate |
| 4:30-5:30 p.m. | Medical Student Committee | Parliament |

*Note: Research Committee Meeting moved to Monday, 12:00-1:00 p.m, Kensington Room

- 6:30-8:30 p.m. **Opening Reception:** Fairmont Olympic Hotel, Metropole Room
Light hors d'oeuvres and a selection of Northwest wines and beers served.
Attire: Seattle Casual

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SUNDAY, May 19

- 7:00 a.m.-5:00 p.m. Registration *Fairmont Olympic Hotel,
Spanish Foyer*
- 7:00-8:00 a.m. Breakfast *Fairmont Olympic Hotel,
Spanish Foyer with additional
seating in Metropole Room*

SESSION 1: SUNDAY MORNING

Host Program: University of Washington Department of Neurological Surgery -
A SWOT Analysis

Fairmont Olympic Hotel, Spanish Ballroom

Moderator: Richard G. Ellenbogen, MD

- 8:00-8:05 a.m. Welcome from Local Host, and SNS Program Chair
Richard G. Ellenbogen, MD and Aviva Abosch, MD, PhD
- 8:05-8:20 a.m. Video of UW System: A Week in the Life of a Neurosurgical
Resident - *Richard G. Ellenbogen, MD*
- 8:20-8:35 a.m. Department Business Model
Jana M. Pettit, MBA
- 8:35-8:50 a.m. Harborview Medical Center
Louis J. Kim, MD
- 8:50-9:05 a.m. University of Washington Medical Center
Manuel Ferreira, MD, PhD
- 9:05-9:20 a.m. Seattle Children's Hospital
Jeffrey G. Ojemann, MD
- 9:20-9:35 a.m. Cancer: Fred Hutchinson, CRC and SCCA
Eric C. Holland, MD, PhD
- 9:35-9:50 a.m. Harborview and WWAMI Trauma System
Randall M. Chesnut, MD
- 9:50-10:05 a.m. **Break**
- 10:05-10:15 a.m. Puget Sound VA
Mikhail Gelfenbeyn, MD, PhD
- 10:15-10:30 a.m. UW Neurological Surgery Residency and Education
Michael Levitt, MD and Amy Lee, MD
- 10:30-10:45 a.m. Innovation and Entrepreneurship in the Department
Samuel R Browd, MD, PhD
- 10:45-11:00 a.m. Teaching Residents How to Operate
Laligam N Sekhar, MD

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- 11:00-11:15 a.m. Spine Collaboration at UW Medicine
Fangyi Zhang, MD
- 11:15-11:30 a.m. Building a Neurosciences Institute
Marc Mayberg, MD
- 11:30-11:45 a.m. UW Neurological Surgery Research Overview
Jeffrey G. Ojemann, MD
- 11:45 a.m.-Noon Sharing Challenges (Questions)
Richard G. Ellenbogen, MD
- Noon-1:00 p.m. **Lunch: Fairmont Olympic Hotel**
Spanish Foyer with additional seating in the Metropole Room

SESSION 2: SUNDAY AFTERNOON

Fairmont Olympic Hotel, Spanish Ballroom

Moderator: Aviva Abosch, MD, PhD

- 1:00-1:05 p.m. Introduction of Keynote Speaker
Richard G. Ellenbogen, MD
- 1:05-1:40 p.m. **Keynote Address: New Cellular and Molecular Approaches to Understand Human Brain Function and Disease**
Ed Lein, PhD, Investigator, Allen Brain Institute
- 1:40-1:45 p.m. Questions and Discussion
- 1:45-2:40 p.m. **Mentoring, Wellness, Resilience, and Avoiding Burnout**
Moderator: Deborah Benzil, MD
- 1:45-2:00 p.m. Burn Out: Fact or Fiction
Fredric B. Meyer, MD
- 2:00-2:15 p.m. Wellness and Creating Resilience
Theresa Williamson, MD, Duke Neurosurgery Resident
- 2:15-2:35p.m. One Neurosurgery SNS Summit Meeting: Integration and Coordination of Leadership and Resources
Daniel L. Barrow, MD
- 2:35-2:40 p.m. Questions and Discussion
- 2:40-2:45 p.m. **Neurosurgery Medical Student Teaching Award to Henry Brem, MD**
Presented by Stacey Wolfe, MD
- 2:45-2:50 p.m. **Distinguished Service Award to Arthur L. Day, MD**
Presented by Daniel Barrow, MD

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- 2:50-3:10 p.m. **Break**
- 3:10-4:10 p.m. **Incorporating Research Training During Residency in 2019**
Moderator: Aviva Abosch, MD, PhD
- 3:10-3:25 p.m. Clinical Trials Training
Sepideh Amin-Hanjani, MD
- 3:25-3:35 p.m. Teaching Residents How to Disseminate Their Research
Nelson Oyesiku, MD, PhD
- 3:35-3:45 p.m. Mentoring and Supporting Clinician-Scientists During Residency
David Limbrick, MD
- 3:45-4:10 p.m. Questions and Discussion
- 4:10-4:15 p.m. Introduction of Winn Award Lecturer
E. Antonio Chiocca, MD, PhD
- 4:15-5:00 p.m. **Winn Award Lecture: Pediatric Brain Tumors in the Molecular Era**
Michael Taylor, MD, PhD
- 6:30-9:00 p.m. **Reception and Buffet Dinner:** Benaroya Hall Grand Lobby,
entrance located on Third Avenue, at University Street
Attire: Business Casual

MONDAY, May 20

- 7:00 a.m.-5:00 p.m. Registration *Fairmont Olympic Hotel,
Spanish Foyer*
- 6:30-7:30 a.m. Members Only Breakfast and *Fairmont Olympic Hotel,
Business Meeting* *Spanish Foyer and Ballroom*
- 6:30-7:30 a.m. Non-Member Breakfast *Fairmont Olympic Hotel,
Spanish Foyer; with seating
available in Metropole Room*

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SESSION 3: MONDAY MORNING

Leadership Session

Fairmont Olympic Hotel, Spanish Ballroom

Moderator: Ashwini Sharan, MD

- 8:00-8:10 a.m. **Introduction of Topic and Issues: My Road to Leadership**
Shelly Timmons, MD, PhD
- 8:10-8:20 a.m. CNS Journey in Physician Leadership
Lola Chambless, MD
- 8:20-8:30 a.m. Paths to Physician Leadership: Example of a 4-yr Program
Roland Eavey, MD
- 8:30-8:40 a.m. Paths to Physician Leadership: Example of an ACS Physician
Bhagwan Satiani, MD, MBA
- 8:40-9:00 a.m. Questions and Discussion
- 9:10-9:15 a.m. Introduction of Keynote Speaker
Aviva Abosch, MD, PhD
- 9:15-9:40 a.m. **Keynote Address: Training to win in the 21st Century**
Yasmin Farooq, Head Coach, UW Women's Rowing
- 9:40-9:45 a.m. Questions and Discussion
- 9:45-10:00 a.m. **Break**
- 10:00-10:15 a.m. **Enfolded Fellowships or Not? Introduction of Topics and Issues**
Moderator: Nicholas Barbaro, MD
- 10:15-10:25 a.m. The Case for Enfolded Sub-Specialty Fellowships
Arthur L. Day, MD
- 10:25-10:35 a.m. The Case for Sub-Specialty Fellowship Training
After Residency Completion
Michael McDermott, MD
- 10:35-10:45 a.m. The Case for Shortening Residency
Christopher I. Shaffrey, MD
- 10:45-11:00 a.m. Moderated Panel Discussion with Audience Questions
- 11-11:10 a.m. Introduction of Daniel L. Barrow, MD, SNS President
Ralph G. Darcy, Jr., MD
- 11:10-11:55 a.m. **Presidential Address: Pedagogy - Foundations and Future**
Daniel L. Barrow, MD

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- 11:55 a.m. – Noon Presentation of Presidential Gavel
Daniel L. Barrow, MD to Karin Muraszko, MD
- Noon-1:00 p.m. **Lunch: Fairmont Olympic Hotel**
Spanish Foyer with additional seating in the Metropole Room

SESSION 4: MONDAY AFTERNOON

Training Session

Fairmont Olympic Hotel, Spanish Ballroom

Moderator: Stacey Wolfe, MD

- 1:00-1:05 p.m. Introduction of Keynote Speaker
Richard G. Ellenbogen, MD
- 1:05-1:35 p.m. **Keynote Address: Why this is the Most Exciting Time for
Medicine in History**
*Paul G. Ramsey, MD, CEO of UW Medicine, Executive Vice President
for Medical Affairs, Dean of the UW School of Medicine*
- 1:35-1:45 p.m. Questions and Discussion
- 1:45-2:15 p.m. **Break**
- 2:15-4:25 p.m. **Training Neurosurgeons in the 21st Century**
Moderator: Stacey Wolfe, MD
- 2:15–2:40 p.m. Intrinsic Generational Considerations: Baby Boomers vs. Millennials
Alejandro Spiotta, MD
- 2:40-3:05 p.m. Extrinsic Considerations: Factors Leading to Burnout
Ben Kennedy MD
- 3:05-3:25 p.m. Achieving a Diverse Workforce: Reflecting the Nation
Ellen Air, MD, PhD
- 3:25-3:45 p.m. Engaging Millennials: The Data
Michael Haglund, MD, PhD
- 3:45-4:00 p.m. Questions and Discussion
- 4:00-4:20 p.m. Intersection of Music and Medicine
Donald Quest, MD
- 4:20-4:25 p.m. Introduction of Grossman Award Lecture
Daniel L. Barrow, MD
- 4:25-5:00 p.m. **Grossman Award Lecture: Experiencing Science**
*Leland H. Hartwell, PhD, 2001 Nobel Laureate
President and Director Emeritus
Fred Hutchinson Cancer Research Center.
Professor, Arizona State University*

SCIENTIFIC AND SOCIAL PROGRAM

- 5:00-5:10 p.m. Questions and Discussion
- 6:30-9:00 p.m. **Reception: Seattle Art Museum**
Entrance located on First Avenue at Union Street,
heavy hors d'oeuvres served
Attire: Seattle Casual

TUESDAY, May 21

- 6:30-7:30 a.m. Breakfast *Fairmont Olympic Hotel,
Spanish Foyer with additional
seating in Metropole Room*

SESSION 5: TUESDAY MORNING

Updates Session

Fairmont Olympic Hotel, Spanish Ballroom

Moderator: Nathan Selden, MD, PhD

- 7:30-7:45 a.m. CAST Update
Arthur L. Day, MD
- 7:45-8:00 a.m. CoRE and Resident Course Update
Gregory J. Zipfel, MD and Richard Byrne, MD
- 8:00-8:15 a.m. RUNN Course Update
Allan H. Friedman, MD
- 8:15-8:30 a.m. ABNS Update
Richard G. Ellenbogen, MD and Carl Heilman, MD
- 8:30-8:45 a.m. Washington Committee Update
Ann R. Stroink, MD
- 8:45-9:00 a.m. Questions and Discussion
- 9:00-9:20 a.m. Social Learning Theory and Achieving Operating Room Competence
Michael Haglund, MD, PhD
- 9:20-9:40 a.m. Applications of Social Learning Theory to General Surgery
Training
Brian George, MD General Surgery (NW)
- 9:40-10:00 a.m. Gender Disparities and Metra-cognitive Skills in Neurosurgery
Michael Haglund, MD, PhD
- 10:00 a.m. Adjourn
- 10:00 a.m.-Noon Executive Council Meeting *Fairmont Olympic Hotel,
Senate Room*