

THE SOCIETY OF NEUROLOGICAL SURGEONS



2022 ANNUAL MEETING

Detroit, Michigan | May 21-24, 2022

SCIENTIFIC PROGRAM

MGM Grand Detroit

Hosted by Henry Ford Health




Jointly provided by the Congress of Neurological Surgeons and
the Society of Neurological Surgeons.

THE SOCIETY OF NEUROLOGICAL SURGEONS

113th Annual Meeting
May 21-24, 2022



Jointly provided by the Congress of Neurological Surgeons  CNS

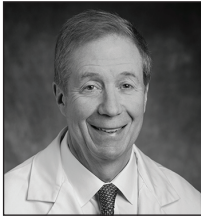
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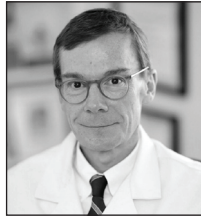
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THE SOCIETY OF NEUROLOGICAL SURGEONS

113th Annual Meeting
May 21–May 24, 2022



Warren R. Selman, MD
President



E. Sander Connolly, Jr., MD
President-Elect



Nathan R. Selden, MD, PhD
Secretary



Deborah L. Benzil, MD
Vice President



Richard W. Byrne, MD
Treasurer

societyofneurologicalsurgeons.org/2022-annual-meeting

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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 *Innovation in Education*, will include lectures by renowned specialists and invited speakers, workshops, panel discussions, and opportunities for questions and answers. Attending neurosurgeons and program directors involved in neurosurgical residency training and graduate medical education are the intended audience for this program. At the conclusion of the 2022 SNS Annual Meeting, participants will be able to:

- Adopt strategies to evaluate applicants for neurosurgery residency in the new virtual environment and resist challenges to inclusive culture.
- Describe tactics to promote and develop neurosurgery faculty of varying ranks in academic medical centers.
- Apply innovative learning theories and technology including augmented reality to improve the training of future neurosurgeons and ultimately enhance neurosurgical clinical care.
- Describe the interactions and contributions of neurosurgeons as members of a broader neurosurgical community and multidisciplinary programs.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Congress of Neurological Surgeons and the Society of Neurological Surgeons. The Congress of Neurological Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA Credit Designation Statement

The Congress of Neurological Surgeons designates this live activity for a maximum of 24.25 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SCIENTIFIC AND SOCIAL PROGRAM

FRIDAY, MAY 20, 2022 MGM Grand Detroit

4:00-6:00 pm **Registration**
Grand Foyer

SATURDAY, MAY 21, 2022

7:00-8:00 am **Breakfast**
Grand Salon 3 & 4

7:00 am-5:00 pm **Registration**
Grand Foyer

11:30 am-4:00 pm **SNS Executive Council Meeting**
Amber 1 & 2

8:00-10:45 am	SESSION 1 Grand Salon 1 & 2 Transition to Neurosurgery Residency: Selection and Mentorship at the Undergraduate-Graduate Interface MODERATORS: Lola B. Chambless, MD; Frank P.K. Hsu, MD, PhD; Jonathan Miller, MD; Reza Yassari, MD
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8:00-8:05 am **Opening Remarks**
Warren R. Selman, MD

8:05-8:20 am **The New Neurosurgery Curriculum**
Nicholas C. Bambakidis, MD

8:20-8:35 am **Whom to interview? Applicant Screening and Virtual Interviewing in the post-USMLE Era**
Mark D. Johnson, MD, PhD

8:35-8:50 am **Avoiding Bias in Resident Selection: Principles of Diversity and Inclusion**
Marvin Bergsneider, MD

8:50-9:05 am **The Match Rank List: What are the Characteristics of the Ideal Neurosurgery Applicant?**
Michael Lim, MD

9:05-9:20 am **Applicant Preference Signaling: Experience with Other Specialties...Consequences for Neurosurgery**
Cormac O. Maher, MD

9:20-9:35 am **Keynote: Comprehensive Improvement of the UME-GME Transition: Implications for Neurosurgery Residency Programs**
Jennifer L. Swails, MD

9:35-9:45 am **Q&A**

9:45-10:05 am **Break**
Grand Foyer

SCIENTIFIC AND SOCIAL PROGRAM

10:05-10:45 am	Mock RRC MODERATORS: Frank P.K. Hsu, MD, PhD; Reza Yassari, MD
10:05-10:35 am	Mock RRC Robert E. Harbaugh, MD; Corey J. Parker, MPA
10:35-10:45 am	Q&A
10:45 am-3:55 pm	SESSION 2 Innovation in Resident Surgical Education Grand Salon 1 & 2 MODERATORS: Carl G. Axelsson, MD, MMSc; Magalie Cadieux, MD, MMSc; Roy Phitayakorn, MD
10:45 am-12:25 pm	Adult Learning Theories Roy Phitayakorn, MD
10:45-11:00 am	Constructivism
11:00-11:15 am	Neuroscience of Learning
11:15-11:30 am	Blended Learning
11:30-11:45 am	Gamification
11:45 am-12:00 pm	Motor Skills
12:00-12:15 pm	Teaching in the OR
12:15-12:25 pm	Q&A
12:25-1:25 pm	Working Lunch Session: Virtual Surgical Simulation as a Teaching Tool Grand Salon 3 & 4 Roy Phitayakorn, MD
1:25-2:40 pm	Delivering Constructive Feedback and Learner Evaluation Grand Salon 1 & 2 Roy Phitayakorn, MD
1:25-2:25 pm	Delivering Constructive Feedback
2:25-2:40 pm	Learner Evaluation: Milestones/EPA's
2:40-3:00 pm	Break Grand Foyer
3:00-3:55 pm	Program Evaluation Grand Salon 1 & 2 Roy Phitayakorn, MD
3:00-3:30 pm	Data Driven Changes
3:30-3:45 pm	Implementation Science
3:45-3:55 pm	Q&A

SCIENTIFIC AND SOCIAL PROGRAM

4:00-6:00 pm

SNS COMMITTEE MEETINGS

CAST Meeting

Sapphire 2

CoRE and Resident Courses Committee Meeting

Garnet 1 & 2

Medical Student Committee Meeting

Sapphire 1

Research Committee Meeting

Onyx Boardroom

6:00-8:00 pm

Opening Reception

One Campus Martius Skydeck, 1 Campus Martius, Detroit, MI 48226

Attire: Business Casual

Live music featuring the Neurosurgery Jazz Quintet Plus 1

Buses depart from the lobby of the MGM Grand Detroit at 5:45 pm

SUNDAY, MAY 22, 2022

Breakfast and morning programming will take place at Henry Ford Hospital.

Lunch will take place at The Henry Ford Cancer Institute.

Afternoon programming will take place at the MGM Grand Detroit.

6:45-7:15 am

Transportation to the Henry Ford Hospital

2799 W Grand Blvd, Detroit, MI 48202

Buses depart from the lobby of the MGM Grand Detroit at 6:45 am and 7:15 am

7:00-8:00 am

Breakfast

Henry Ford Hospital

Buerki Atrium

8:00-11:50 am

SESSION 3

Henry Ford Hospital

Henry Ford Health System Program

Buerki Auditorium

8:00-8:20 am

Welcome and Introduction

Steven N. Kalkanis, MD

8:15-8:25 am

Video

8:25-8:35 am

All of Us

Christine C. Johnson, PhD, MPH

8:35-8:45 am

Henry Ford Leadership: MedPAC, NQF

David Nerenz, PhD

8:45-8:55 am

Michigan Spine Surgery Improvement Collaborative

Muwaffak Abdulhak, MD

SCIENTIFIC AND SOCIAL PROGRAM

8:55-9:05 am	N2QOD / Risk Modeling Spine Outcomes Victor W. Chang, MD
9:05-9:15 am	PROMs Integration Into Routine Care Jason M. Schwalb, MD
9:15-9:25 am	Evolving Operative Feedback / Continuing Education in Face of COVID-19 Ellen L. Air, MD, PhD
9:25-9:45 am	Research Development Beverly C. Walters, MD, MSc
9:35-9:45 am	Q&A
9:45-10:05 am	Break Buerki Atrium
10:05-10:15 am	Exosomes in Stroke Michael Chopp, PhD
10:15-10:25 am	Exosomes in Trauma Asim Mahmood, MD
10:25-10:35 am	Liquid Biopsy Ian Yu Lee, MD
10:35-10:45 am	Molecular Tumor Board/Avatar Tom Mikkelsen, MD
10:45-10:55 am	Vascular/Stroke Max K. Kole, MD
10:55-11:05 am	Spine – Neurosurgery Leading the Way Frank La Marca, MD
11:05-11:15 am	Skull Base/Tumor Adam M. Robin, MD
11:15-11:25 am	HFH Neurosurgery: The International Program Jack P. Rock, MD
11:25-11:45 am	Detroit Renaissance Dan Gilbert
11:45 am-12:00 pm	Adjourn and walk to Cancer Center
12:00-1:00 pm	Lunch The Henry Ford Cancer Institute, 2800 W. Grand Boulevard, Detroit, MI 48202
1:00-1:30 pm	Transportation to the MGM Grand Detroit 1777 3rd Ave, Detroit, MI 48226
1:30-5:30 pm	Registration Grand Foyer

SCIENTIFIC AND SOCIAL PROGRAM

1:30-5:30 pm	SESSION 4 Teaching the Teacher Grand Salon 1 & 2 MODERATORS: <i>Ellen L. Air, MD, PhD; Lawrence S. Chin, MD; Jamie J. Van Gompel, MD; Stacey Q. Wolfe, MD</i>
1:30-1:45 pm	Mentors, Sponsors and Coaches – Oh My! <i>Lola B. Chambless, MD</i>
1:45-2:00 pm	Coaching – Effective Strategies <i>Joseph S. Neimat, MD, MS</i>
2:00-2:15 pm	One Size Doesn't Fit All <i>William W. Ashley, MD, PhD, MBA</i>
2:15-2:30 pm	Promoting Junior Faculty <i>Chirag D. Gandhi, MD, FACS, FAANS</i>
2:30-2:45 pm	Supporting Wellness with Family and Sick Leave <i>Karin M. Muraszko, MD</i>
2:45-3:25 pm	Planning for Success; History of Your Future Exercise <i>Ellen L. Air, MD; Joseph Samir Neimat, MD, MS</i>
3:25-3:45 pm	Break Grand Foyer
3:45-4:00 pm	Keeping Associate Professors Engaged <i>John G. Golfinos, MD</i>
4:00-4:15 pm	It's Lonely at the Top: Navigating Complex Relationships <i>Lawrence S. Chin, MD</i>
4:15-4:25 pm	Distinguished Service Award Introduction <i>M. Sean Grady, MD</i>
4:25-4:30 pm	Distinguished Service Award Acceptance <i>Griffith R. Harsh IV, MD</i>
4:30-4:35 pm	Introduction of Medical Student Teaching Award <i>Daniel L. Barrow, MD</i>
4:35-4:40 pm	Medical Student Teaching Award Acceptance <i>Robert E. Gross, MD, PhD</i>
4:40-4:45 pm	Introduction of Grossman Award Lecture <i>Warren R. Selman, MD</i>
4:45-5:25 pm	Grossman Award Lecture <i>Mark Griswold, PhD</i>
5:25-5:30 pm	Q&A

SCIENTIFIC AND SOCIAL PROGRAM

6:30-9:30 pm **Reception and Strolling Dinner**
Detroit Institute of Arts
5200 Woodward Ave
Attire: Business Casual
Buses depart from the lobby of the MGM Grand Detroit at 6:15 pm

MONDAY, MAY 23, 2022

6:30-7:30 am **Members Only Breakfast and Business Meeting**
Grand Salon 3 & 4

6:30-7:30 am **Non-member Breakfast**
Amber 1 & 2

7:00 am-5:00 pm **Registration**
Grand Foyer

8:00 am-1:00 pm	SESSION 5 Grand Salon 1 & 2 Disruptive Collaborations MODERATORS: Ketan R. Bulsara, MD; Carl B. Heilman, MD; Michael Lim, MD; William J. Mack IV, MD
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8:00-8:15 am **Innovative Multidisciplinary Collaborations: Neuroplastics**
Kerry-Ann Mitchell, MD, PhD

8:15-8:30 am **Innovative Multidisciplinary Programs: Fetal Surgery/
Pediatric Spinal Deformity**
Mari L. Groves, MD

8:30-8:45 am **Righting the 3-Legged Stool**
Deborah L. Benzil, MD

8:45-9:00 am **Service Line and Financial Repercussions of COVID-19**
Richard W. Byrne, MD

9:00-9:10 am **Q&A**

9:10-9:40 am **Interactive Exercise: Building Partnerships with Faculty/
Chairs/Deans/Health System CEO's**
Henry Brem, MD; Karin M. Muraszko, MD;
Nathan R. Selden, MD, PhD

9:40-10:00 am **Break**
Grand Foyer

10:00-10:15 am **Spine as Core of Musculoskeletal Program – Why Should
We Play Ball?**
Ali Bydon, MD

10:15-10:30 am **Forging Partnerships Across the Care Continuum –
Community Neurosurgeons and Referring Physicians**
Daniel M. Sciubba, MD

SCIENTIFIC AND SOCIAL PROGRAM

- 10:30-10:45 am **Disruption at the Health Care System Level Will Impact Neurosurgery**
Matthew G. Ewend, MD
- 10:45-11:00 am **The Uphill Battle of Clinical Trials: NIH vs. Industry**
Mark G. Luciano, MD, PhD
- 11:00-11:15 am **War of the Worlds: Clinician vs. Scientist vs. Entrepreneur**
Gelareh Zadeh, MD, PhD
- 11:15-11:25 am **Q&A**
- 11:25-11:30 am **Introduction of President Warren Selman**
Daniel L. Barrow, MD
- 11:30-11:55 am **Presidential Address**
Warren R. Selman, MD
- 11:55 am-12:00 pm **Passing of the Gavel**
Warren R. Selman, MD
- 12:00-1:00 pm Lunch**
Grand Salon 3 & 4
- 12:20-12:50 pm **Lunch Session: Historical Perspectives – Functional Neurosurgery**
Grand Salon 3 & 4
Robert E. Gross, MD, PhD
- | | |
|---------------------|---|
| 1:00-5:00 pm | SESSION 6
Grand Salon 1 & 2
Global Neurosurgery – When the World is Flat
MODERATORS: Anand V. Germanwala, MD;
Vikram C. Prabhu, MD, MS; Clemens M. Schirmer, MD, PhD, MBA |
|---------------------|---|
- 1:00-1:05 pm **Introduction of Detroit Mayor**
Steven N. Kalkanis, MD
- 1:05-1:35 pm **Detroit Mayoral Address**
Mayor Mike Duggan
- 1:35-1:45 pm **Q&A**
- 1:45-2:00 pm **WFNS – Neurosurgery Around the World**
Nelson M. Oyesiku, MD, PhD
- 2:00-2:15 pm **Unified by Education – FIENS**
Robert J. Dempsey, MD
- 2:15-2:30 pm **IMG's in Residency – Who, Where and How?**
Jordina Rincon-Torroella, MD, PhD
- 2:30-2:45 pm **Bringing the World's Best to the US – Contributions of IMG's**
Ziya L. Gokaslan, MD

SCIENTIFIC AND SOCIAL PROGRAM

2:45-3:00 pm	Alternate Pathways to ABNS Certification Elad I. Levy, MD, MBA
3:00-3:15 pm	Existing Virtually Without Borders – Webinars, Podcasts Jacques J. Morcos, MD
3:15-3:30 pm	2022-2023 Residency Recruitment Updates Stacey Q. Wolfe, MD
3:30-3:40 pm	Q&A
3:40-4:00 pm	Break
4:00-4:05 pm	Introduction of Winn Award Lecturer E. Antonio Chiocca, MD, PhD
4:05-4:45 pm	Winn Award Lecture Frederick F. Lang, MD
4:45-5:00 pm	Q&A
6:30-9:00 pm	Gala Dinner Grand Salon 3 & 4 Attire: Black Tie Preferred

TUESDAY, MAY 24, 2022

6:30-10:00 am	Registration
6:30-7:30 am	Breakfast Grand Salon 3 & 4

7:30-10:00 am	SESSION 7 Grand Salon 1 & 2 OR of the Future and What Our Residents Need to Know Now MODERATORS: Bernard R. Bendok, MD, MSCI; Michelle J. Clarke, MD; E. Sander Connolly, Jr., MD
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7:30-7:40 am	CAST Update Charles L. Branch Jr., MD
7:40-7:50 am	Resident Courses Update Gregory J. Zipfel, MD
7:50-8:00 am	Neurosurgeon Research Career Development Program (NRCDP) Emad N. Eskandar, MD
8:00-8:10 am	SNS Neurosurgeon-Scientist Training Program Constantinos G. Hadjipanayis, MD, PhD
8:10-8:20 am	ABNS Update Kevin M. Cockroft, MD

SCIENTIFIC AND SOCIAL PROGRAM

- 8:20-8:30 am **Washington Committee Update**
Katie O. Orrico; John K. Ratliff, MD
- 8:30-8:50 am** **Break**
- 8:50-9:05 am **Prospects for Cerebrovascular Surgery in the Hybrid OR/
Endovascular Suite**
Louis J. Kim, MD
- 9:05-9:20 am **Exploring Novel Frontiers with Focused Ultrasound**
Howard M. Eisenberg, MD
- 9:20-9:35 am **Seeing Beyond Neuronavigation**
David J. Langer, MD
- 9:35-9:50 am **Augmented Reality – Virtually Priceless**
Timothy F. Witham, MD
- 9:50-10:00 am **Teaching Residents What They Need to Learn**
Pablo F. Recinos, MD

CME AND DISCLOSURE INFORMATION

Disclosures for the SNS Annual Meeting can be viewed at www.societyns.org/disclosures

ACCREDITATION/CME CREDIT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Congress of Neurological Surgeons (CNS) and the Society of Neurological Surgeons (SNS). The CNS is accredited by the ACCME to provide continuing medical education for physicians.

The CNS designates this live activity for a maximum of 24.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SELF-REPORTING CME INSTRUCTIONS

CME credits can be claimed through the online CME system at www.societyns.org. The CME tracking system allows you to create and print a CME certificate immediately following the SNS Annual Meeting while you are still in Detroit, or from the convenience of your home or office. Upon completion of this process, your CME certificate will be sent to you via email at the email address you provided at registration.

JOINT PROVIDERSHIP DISCLAIMER

The material presented at the Society of Neurological Surgeons 113th Meeting in the 102nd Year has been made available by the Society of Neurological Surgeons and the CNS for educational purposes only. The material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather it is intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations.

Neither the content (whether written or oral) of any course, seminar, or other presentation in the program, nor the use of a specific product in conjunction therewith or exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the Society of Neurological Surgeons and jointly provided by the CNS, or its Committees, Commissions, or Affiliates.

Neither the CNS nor the Society of Neurological Surgeons makes any statements, representations, or warranties (whether written or oral) regarding the Food and Drug Administration (FDA) status of any product used or referred to in conjunction with any course, seminar, or other presentation being made available as part of the Society of Neurological Surgeons 113th Meeting in the 102nd Year. Faculty members shall have sole responsibility to inform attendees of the FDA status of each product that is used in conjunction with any course, seminar, or presentation and whether such use of the product is in compliance with FDA regulations.

REGISTERED GUESTS

INVITED GUESTS*

Peter S. Amenta, MD
Han-Chiao I. Chen, MD
Dean Chou, MD
Steven H. Cook, MD
Linton T. Evans, MD
Manuel Ferreira Jr., MD, PhD
Holly Gilmer, MD
Jonathan A. Grossberg, MD
John F. Hamilton, MD, PhD
Simon J. Hanft, MD
Christopher Kellner, MD
Ian Y. Lee, MD
Kate McDaniel, PhD
Tom Mikkelsen, MD
Juan R. Ortega-Barnett, MD
Min S. Park, MD
Matthew B. Potts, MD
Carolyn Quinsey, MD
R. Aaron Robison, MD
Norbert Roosen, MD
Nathan C. Rowland, MD, PhD
Justin G. Santarelli, MD
Jason M. Schwalb, MD
Raymond F. Sekula Jr., MD
Eric M. Thompson, MD
J. Christopher Zacko, MD, MS

GUEST'S HOST

Mark D. Johnson, MD, PhD
Daniel Yoshor, MD
E. Sander Connolly, Jr., MD
Gerald A. Grant, MD
Perry A. Ball, MD
Richard G. Ellenbogen, MD
Sean M. Lew, MD
Daniel L. Barrow, MD
James M. Ecklund, MD
Chirag D. Gandhi, MD
Constantinos G. Hadjipanayis, MD, PhD
The Society
Michael M. Haglund, MD, PhD
The Society
Nicholas M. Barbaro, MD
Mark E. Shaffrey, MD
Nader S. Dahdaleh, MD
Eldad J. Hadar, MD
Warren W. Boling, MD
The Society
Alejandro M. Spiotta, MD
Chirag D. Gandhi, MD
The Society
E. Sander Connolly, Jr., MD
Michael M. Haglund, MD, PhD
Kevin M. Cockroft, MD

*Guests invited as of April 19, 2022.

EXECUTIVE COUNCIL MEMBERS 2021-2022

President	Warren R. Selman, MD
President Elect	E. Sander Connolly, Jr., MD
Vice President	Deborah L. Benzil, MD
Secretary	Nathan R. Selden, MD, PhD
Treasurer	Richard W. Byrne, MD
Past President	M. Sean Grady, MD
Past-Past President	Karin M. Muraszko, MD
Past Vice President	E. Sander Connolly, Jr., MD
Member-at-Large	Oren Sagher, MD
Member-at-Large	Sepideh Amin-Hanjani, MD
Program Chair	Judy Huang, MD
Historian	Kim J. Burchiel, MD, FACS
Local Host	Steven N. Kalkanis, MD

Non-Voting Members:

ABNS Ad Hoc Member	Daniel K. Resnick, MD, MS
RRC Ad Hoc Member	Robert E. Harbaugh, MD
CAST	Nicholas M. Barbaro, MD
CoRE	Gregory J. Zipfel, MD
Medical Student Committee	Stacey Q. Wolfe, MD
Membership Committee	Randy L. Jensen, MD, PhD
Research Committee	Linda M. Liau, MD, PhD, MBA

GOVERNANCE COMMITTEES

Ad Hoc M3 Planning Committee

Nathan R. Selden, MD, PhD, Chair

Ad Hoc Planning Committee:

Membership

Randy L. Jensen, MD, PhD, Chair

Cargill H. Alleyne Jr., MD

Richard W. Byrne, MD

Robert E. Harbaugh, MD

Tiffany R. Hodges, MD

Edjah K. Nduom, MD

Nathan R. Selden, MD, PhD

Stacey Q. Wolfe, MD

Ad Hoc Planning Committee: Meetings

Sepideh Amin-Hanjani, MD, Chair

Deborah L. Benzil, MD

Matthew G. Ewend, MD

Lois A. Hengenius

Pam Lane, C-TAGME

Jonathan P. Miller, MD

Nathan R. Selden, MD, PhD

Warren R. Selman, MD

Martina Stippler, MD

Krystal L. Tomei, MD, MPH

Ad Hoc Planning Committee: Money

Richard W. Byrne, MD, Chair

H. Huntington Batjer, MD

E. Sander Connolly, Jr., MD

Nathan R. Selden, MD, PhD

Warren R. Selman, MD

Annual Meeting Program

Judy Huang, MD, Chair

Deborah L. Benzil, MD, Advisor

Jonathan P. Miller, MD

Julie G. Pilitsis, MD, PhD

Audit

Sepideh Amin-Hanjani, MD, Chair

Steven N. Kalkanis, MD

Constitution and Bylaws

Nathan R. Selden, MD, PhD, Chair

M. Sean Grady, MD

Endowments and Gifts

Warren R. Selman, MD, Chair

Richard W. Byrne, MD

Oren Sagher, MD

Winn Prize Subcommittee

E. Antonio Chiocca, MD, PhD, Chair

E. Sander Connolly, Jr., MD

Matthew A. Howard, III, MD

James T. Rutka, MD, PhD

H. Richard Winn, MD

Distinguished Service Award

Daniel L. Barrow, MD, Chair

M. Sean Grady, MD

Karin M. Muraszko, MD

Future Sites

Deborah L. Benzil, MD, Chair

Richard W. Byrne, MD

Nathan R. Selden, MD, PhD

Membership

Randy L. Jensen, MD, PhD, Chair

M. Sean Grady, MD, Advisor

Mark D. Johnson, MD, PhD

Ganesh Rao, MD, Advisor

John K. Ratliff, MD

Nominating Advisory

Vikram C. Prabhu, MD, MS, Chair

M. Sean Grady, MD

Linda M. Liau, MD, PhD, MBA

Karin M. Muraszko, MD

Stacey Q. Wolfe, MD

MISSION COMMITTEES

Committee on Advanced Subspecialty Training (CAST)

Nicholas M. Barbaro, MD, Chair (2019-2022)

Charles L. Branch, Jr., MD, Secretary

Kevin M. Cockroft, MD, (ABNS Ad Hoc)

Griffith R. Harsh, IV, MD, (RRC Ad Hoc)

Carl B. Heilman, MD, (ABNS Secretary)

Linda M. Liau, MD, PhD, MBA

Cormac O. Maher, MD

Phillip M. Meyers, MD (Chair, NESAC)

Jonathan P. Miller, MD

Shelly D. Timmons, MD, PhD

Vincent C. Traynelis, MD

GOVERNANCE COMMITTEES

Medical Student Committee

Stacey Q. Wolfe, MD, Chair (2018-2022)
Bernard R. Bendok, MD
Ketan R. Bulsara, MD, MBA
Mark S. Dias, MD
Gerald A. Grant, MD
Anand V. Germanwala, MD
Constantinos G. Hadjipanayis, MD, PhD
Brian L. Hoh, MD
Judy Huang, MD
Michael T. Lawton, MD
Jonathan P. Miller, MD, FAANS, FACS
Peter Nakaji, MD, FAANS
Krystal L. Tomei, MD, MPH
Gregory J. Zipfel, MD, FAANS

Research

Linda M. Liao, MD, PhD, MBA, Chair
(2019-2022)
Sepideh Amin-Hanjani, MD
E. Antonio Chiocca, MD, PhD
Travis M. Dumont, MD
Constantinos G. Hadjipanayis, MD, PhD
Matthew A. Howard, III, MD
Peter T. Kan, MD
Jeffrey G. Ojemann, MD
James M. Schuster, MD, PhD
Gregory J. Zipfel, MD

Review and Update in Neuroscience (RUNN)

Allan H. Friedman, MD, Chair
Issam A. Awad, MD
Henry Brem, MD
E. Antonio Chiocca, MD, PhD
Robert J. Dempsey, MD

Neurological Surgery Milestones Group

Nathan R. Selden, MD, PhD, Chair
Aviva Abosch, MD, PhD
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Nagoya University School of Medicine
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Nagoya, 466-8550
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DECEASED MEMBERS

John E. Adams, MD	1999	Lee A. Christoferson, Sr., MD	2000
Alfred W. Adson, MD	1951	Ivan S. Ciric, MD	2021
Eben Alexander, Jr., MD	2004	William K. Clark, MD	2007
Marshall B. Allen, Jr., MD	2015	Donald F. Coburn, MD	1988
Orlando J. Andy, MD	1997	Claude C. Coleman, MD	1953
Joao (John) Lobo Antunes, MD (Honorary)	2016	William F. Collins, Jr., MD	2009
Chisato Araki, MD (Honorary)	1976	William V. Cone, MD	1959
Román Arana-Iñiguez, MD (Honorary)	1977	Edward S. Connolly, Sr., MD	2014
Edward W. Archibald, MD	1945	William S. Coxe, MD	2012
James G. Arnold, Jr., MD	1994	Winchell M. Craig, MD	1960
Alexander I. Arutyunov, MD (Honorary)	1975	Paul H. Crandall, MD	2012
Alfonso Asenjo, MD (Honorary)	1980	Robert M. Crowell, MD	2020
George M. Austin, MD	2002	W. Gayle Crutchfield, MD	1972
Charles Bagley, Jr., MD	1957	Harvey W. Cushing, MD	1939
Percival Bailey, MD	1973	Walter E. Dandy, MD (Honorary)	1946
Louis Bakay, MD	1998	Leo M. Davidoff, MD	1975
Roy A. E. Bakay, MD	2013	Courtland H. Davis, Jr., MD	1982
George S. Baker, MD	1993	Loyal Davis, MD	1982
Maitland Baldwin, MD	1970	Albert P. D'Errico, MD	1984
H. Thomas Ballantine, Jr., MD	1996	Richard L. DeSaussure, Jr., MD	2008
Robert C. Bassett, MD	1975	Jacquez C. de Villiers, MD (Honorary)	2018
Donald P. Becker, MD	2020	R. M. Peardon Donaghy, MD	1991
Claude Bertrand, MD	2014	Norman M. Dott, MD (Honorary)	1973
Perry Black, MD	2018	Charles E. Downman, Jr., MD	1931
Byron M. Bloor, MD	1994	Charles G. Drake, MD	1998
Edwin B. Boldrey, MD	1988	Dean H. Echols, MD	1991
Warren C. Boop, MD	2021	George Ehni, MD	1986
Edmund H. Botterell, MD	1997	Charles A. Elsberg, MD	1948
Robert S. Bourke, MD	1996	Arthur R. Elvidge, MD	1985
Charles E. Brackett, MD	2016	Fred J. Epstein, MD	2006
E. Jefferson Browder, MD	1976	Theodore C. Erickson, MD	1986
Howard A. Brown, MD	1990	Joseph P. Evans, MD	1985
Paul C. Bucy, MD	1993	Charles A. Fager, MD	2014
Eduard A. V. Busch, MD (Honorary)	1982	Temple Fay, MD	1963
Karl A. Bushe, MD (Honorary)	1999	William H. Fiendel, MD	2014
David W. Cahill, MD	2003	Edgar F. Fincher, Jr., MD	1969
Sir Hugh W.B. Cairns, MD (Honorary)	1952	Robert G. Fisher, Jr., MD	2003
Eldridge H. Campbell, Jr., MD	1956	Stevenson Flanigan, MD	2007
Robert L. Campbell, MD	2018	Howard W. Fleming, MD	1974
Louis P. Carter, MD	2010	Eldon L. Foltz, MD	2013
Thomas E. Carter, MD	2006	Charles H. Frazier, MD	1936
Joseph Chandy, MD (Honorary)	2007	John D. French, MD	1989
Shelley N. Chou, MD	2001	Lyle A. French, MD	2004
		Piero Frugoni, MD (Honorary)	1994
		Leonard T. Furlow, MD	1980
		J. Garber Galbraith, MD	1996

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W. James Gardner, MD	1987	Jay J. Keegan, MD	1978
Henry D. Garretson, MD	2007	Ludwig G. Kempe, MD	2012
William J. German, MD	1981	Frederick W. L. Kerr, MD	1983
Philip L. Gildenberg, MD, PhD	2020	Harry H. Kerr, MD	1963
F. J. Gillingham, MD (Honorary)	2010	Robert B. King, MD	2008
Sidney Goldring, MD	2004	Katsutoshi Kitamura, MD (Honorary)	2004
Phillip D. Gordy, MD	2014		
Carl J. Graf, MD	1987	Robert S. Knighton, MD	2004
Lars G. Granholm, MD (Honorary)	1988	Wolfgang T. Koos, MD (Honorary)	2000
Francis C. Grant, MD	1967	Herbert Kraus, MD (Honorary)	1975
George H. Gray, Jr., MD	2016	Hugo Krayenbuhl, MD (Honorary)	1985
John R. Green, MD	1990	Kristian Kristiansen, MD (Honorary)	1993
Robert A. Groff, MD	1975	Theodore Kurze, MD	2002
Cordell E. Gross, MD	2000	Thomas W. Langfitt, MD	2005
Robert G. Grossman, MD	2021	Sanford J. Larson, MD	2012
Gerard Guiot, MD (Honorary)	1998	James R. Learmonth, MD	
E. Stephen Gurdjian, MD	1985	(Honorary)	1967
Wallace B. Hamby, MD	1999	Lyal G. Leibrock, MD	2005
John W. Hanbery, MD	1996	Lars Leksell, MD (Honorary)	1986
Griffith R. Harsh, III, MD	2019	Richard A. Lende, MD	1973
Samuel C. Harvey, MD	1953	Dean D. Lewis, MD	1941
Hale A. Haven, MD	1964	Richard U. Light, MD	1994
C. Douglas Hawkes, MD	1998	Kenneth E. Livingston, MD	1984
Gen. George J. Hayes, MD	2002	Raeburn C. Llewellyn, MD	2009
Mark P. Heilbrun, MD	2010	Valentine Logue, MD (Honorary)	2000
Jess D. Hermann, MD	1994	H.C. Ruediger Lorenz, MD	
George J. Heuer, MD	1950	(Honorary)	2008
Henry L. Heyl, MD	1975	J. Grafton Love, MD	1987
Norman C. Hill, MD	2020	Alfred J. Luessenhop, MD	2009
Julian T. Hoff, MD	2007	Collin S. MacCarty, MD	2003
Harold J. Hoffman, MD	2004	Robert J. Maciunas, MD	2011
Gilbert Horrax, MD	1957	Ernest W. Mack, MD	2000
William E. Hunt, MD	1999	M. Stephen Mahaley, Jr., MD	1992
Franc D. Ingraham, MD	1965	Leonard I. Malis, MD	2005
Fabian Isamat, MD (Honorary)	2019	Vernon H. Mark, MD	2014
Shozo Ishii, MD (Honorary)	2012	John Martin, MD	1996
John A. Jane, Sr., MD	2015	Donald D. Matson, MD	1969
Peter J. Jannetta, MD	2016	Frank H. Mayfield, MD	1991
Sir Geoffrey Jefferson, MD		David J. McCullough, MD	1992
(Honorary)	1961	Kenneth G. McKenzie, MD	1964
Byran Jennett, MD (Honorary)	2008	Robert L. McLaurin, MD	2015
Ottiwell W. Jones, Jr., MD	1987	William F. Meacham, MD	1999
Edgar A. Kahn, MD	1985	John N. Meagher, MD	1993
Allen B. Kanavel, MD	1938	H. Russell Meyers, MD	1999
E. I. Kandel, MD (Honorary)	1990	Carole A. Miller, MD	2015
Harry A. Kaplan, MD	1995	J. Douglas Miller, MD	1996
Samuel S. Kasoff, MD	2009	Joseph H. Miller, MD	2021

DECEASED MEMBERS

Ross H. Miller, MD	2014	J. Lawrence Pool, MD	2004
W. Jason Mixter, MD	1958	James L. Poppen, MD	1978
Thomas P. Morley, MD	2012	Robert W Porter, MD	2021
Lester A. Mount, MD	1999	Jose R. Portugal, MD (Honorary)	1993
John (Sean) F. Mullan, MD	2015	Robert H. Pudenz, MD	1998
Donald Munro, MD	1973	Tracy J. Putnam, MD	1975
Francis Murphey, MD	1994	John E. Raaf, MD	2000
Frederick Murtagh, Jr., MD	1996	Anthony J. Raimondi, MD	2000
Paul W. Myers, MD	2013	B. Ramamurthi, MD	2003
Howard C. Naffziger, MD	1961	Carl W. Rand, MD	1972
Blaine S. Nashold, Jr., MD	2014	Robert W. Rand, MD	2013
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Gösta Norlén, MD (Honorary)	1992	Theodore B. Rasmussen, MD	2002
D. W. C. Northfield, MD (Honorary)	1977	Bronson S. Ray, MD	1993
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William O. Ott, MD	1963	Ernest Sachs, Sr., MD	1958
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Hans W. Pia, MD (Honorary)	1986	Frank P. Smith, MD	2003
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		Ladislau Steiner, MD (Honorary)	2013
		Arist A. Stender, MD (Honorary)	1978

DECEASED MEMBERS

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DECEASED MEMBERS BIOGRAPHIES

Perry Black, MD

1930 – 2018

PERRY BLACK was born in Montreal, Canada, in October 1930. Dr. Black educated at McGill for both undergraduate and medical degrees. After a year in neurology at the Montreal Neurological Institute, he trained in neurosurgery under Dr. Earl Walker at Johns Hopkins. As a faculty member at Johns Hopkins, he made seminal discoveries regarding interhemispheric communication in primates.

After Hopkins, Dr. Black spent 15 years as chair of neurological surgery at Hahnemann University in Philadelphia. Among other achievements there, he founded a leading pain neurosurgery clinic and advanced the treatment of high-grade gliomas.

Dr. Black was a dedicated and beloved teacher and was devoted to his spouse Phyllis, their children and their families.

DECEASED MEMBERS BIOGRAPHIES

Warren C. Boop, Jr., MD
1933 – 2021

WARREN CLARK BOOP, JR. was born July 27, 1933, in Baltimore, Maryland. Dr. Boop was educated at the University of Tennessee Memphis and did his initial training in surgery in Knoxville before serving in the Navy and then completing his residency in neurological surgery at the University of Minnesota.

His continued Naval service saw him rise to Chief of Neurosurgery at the Great Lakes Naval Hospital before he took a position on the faculty of the University of Arkansas, where he was key to the foundation of the first residency program in Arkansas, rose to the rank of Professor of Neurosurgery, and served as Chief at the Little Rock Veteran's Affairs Hospital.

Highly valued by his family, trainees, and community, Dr. Boop served as a chorister and deacon for his Presbyterian church, was married to his wife Nancy for 68 years, and raised three children, one of whom – Dr. Frederick Boop – succeeded him as President of the Southern Neurosurgical Society and a member of our Society of Neurological Surgeons.

DECEASED MEMBERS BIOGRAPHIES

Ivan S. Ciric, MD

1933 – 2021

IVAN S. CIRIC was born in Vienna on December 15, 1933. Dr. Ciric grew up in the Danube River valley in Serbia and studied medicine in Belgrade and Cologne. His neurosurgical training was in Cologne and Chicago, the latter under Dr. Paul Bucy. He also trained in transsphenoidal surgery with Dr. Jules Hardy in Montreal. His entire career was then spent at the Evanston Hospital of Northwestern University where he became Professor and Head of the Division of Neurosurgery. He made substantial contributions to transsphenoidal surgery, the treatment of Cushing's disease, and surgery for high grade gliomas.

Dr. Ciric was a favorite of residents and students at Northwestern and mentored generations of neurosurgical trainees in microsurgery and pituitary surgery. In retirement, he dedicated himself to writing books and poems. He was dedicated to his spouse Anne and to their three children and their families.

DECEASED MEMBERS BIOGRAPHIES

Robert George Grossman, MD

1933 – 2021

ROBERT GEORGE GROSSMAN was born on April 9th, 1930, in Thrift, Texas. He graduated from Ludowici Georgia High School, Mercer University, and the Medical College of Georgia.

Dr. Miller was the founder and Director of the Neuroscience Center in Memphis, Tennessee. He served as Chief of Neurosurgery at Methodist Hospital, Memphis, and Vice-chair of the Department of Neurosurgery at the University of Tennessee. He also served as a bank director, a college trustee, the author of 17 books and a pilot, with more than 5,000 hours in flight.

Dr. Miller was an active or reserve member of the U.S. Navy for 62 years and consulted at every U.S. Navy Hospital in the world, rising to the rank of Rear Admiral in the Navy Reserve. For his service, he received the Legion of Merit Medal, the Navy Commendation Medal, the Combat Vietnam Service Medal, the Vietnam Gallantry Citation, the Vietnam Civil Action Medal, the Armed Forces Service Medal, and the National Defense Service Medal.

Dr. Miller was a devoted Sunday School teacher and Deacon at his church for over 6 decades. He was devoted to his spouse, Cathy Parker Miller, five children and many grandchildren and great grandchildren.

DECEASED MEMBERS BIOGRAPHIES

Manucher J. Javid, MD

1922 – 2017

MANUCHER J. JAVID was born in Tehran on January 11, 1922. Dr. Javid educated at the University of Illinois College of Medicine. His scientific and neurosurgical training included mentorship by luminaries of the field, including Drs. Percival Bailey, Gilbert Horrax, William Sweet, and James White. Dr. Javid's entire career was then spent at the University of Wisconsin, where he made seminal contributions to intra-discal therapy and hypertonic intravenous therapy for post-traumatic and intra-operative brain swelling.

Dr. Javid's colleagues at the University of Wisconsin have lauded him for his 45 years of service to the University, including as its second chief and first chair of neurological surgery. He was beloved by his patients and by the generations of residents who trained under his supervision. Deeply spiritual, he was a scholar of world religion, and was dedicated to his spouse Emma and their four children.

DECEASED MEMBERS BIOGRAPHIES

Joseph Hardy Miller, MD

1930 – 2021

JOSEPH HARDY MILLER was born on April 9th, 1930, in Thrift, Texas. He graduated from Ludowici Georgia High School, Mercer University, and the Medical College of Georgia.

Dr. Miller was the founder and Director of the Neuroscience Center in Memphis, Tennessee. He served as Chief of Neurosurgery at Methodist Hospital, Memphis, and Vice-chair of the Department of Neurosurgery at the University of Tennessee. He also served as a bank director, a college trustee, the author of 17 books and a pilot, with more than 5,000 hours in flight.

Dr. Miller was an active or reserve member of the U.S. Navy for 62 years and consulted at every U.S. Navy Hospital in the world, rising to the rank of Rear Admiral in the Navy Reserve. For his service, he received the Legion of Merit Medal, the Navy Commendation Medal, the Combat Vietnam Service Medal, the Vietnam Gallantry Citation, the Vietnam Civil Action Medal, the Armed Forces Service Medal, and the National Defense Service Medal.

Dr. Miller was a devoted Sunday School teacher and Deacon at his church for over 6 decades. He was devoted to his spouse, Cathy Parker Miller, five children and many grandchildren and great grandchildren.

DECEASED MEMBERS BIOGRAPHIES

Lindsay E. Symon
1929 – 2019

LINDSAY E. SYMON was born in Aberdeen, Scotland on November 4, 1929. Dr. Symon was educated in medicine at the University of Aberdeen. He trained with Dr. Valentine Logue at the Maida Vale hospital and ultimately went with him to the National Hospital for Neurology and Neurosurgery at Queen Square in London. Dr. Symon received additional scientific training in cerebrovascular physiology at Wayne State University and the MRC National Institute for Medical Research in London.

At Queen Square, Dr. Symon achieved tremendous success as a skull base and cerebrovascular surgeon as well as a basic and translational scientist. He was a significant contributor to new clinical adjuncts such as electrocochleography and facial nerve stimulation during skull base surgery as well as new scientific methodologies such as *in vivo* microdialysis and the hydrogen clearance method. He utilized the latter to first define both functional and critical levels of cerebral blood flow.

Dr. Symon was also a dedicated teacher who was renowned for his aptitude in training residents and who studied training methods and outcomes throughout his career. He contributed to international education through the WFNS.

Dr. Symon was devoted to his wife Pauline, three children, and their families.

DISTINGUISHED SERVICE AWARD RECIPIENTS

1970	Wilder Penfield	1997	Phanor L. Perot, Jr.
1971	Percival Bailey	1998	Shelley N. Chou
1972	A. Earl Walker	1999	W. Eugene Stern
1973	Paul C. Bucy	2000	Russel H. Patterson
1974	Barnes Woodhall	2001	Robert G. Ojemann
1975	Henry G. Schwartz	2002	Robert G. Grossman
1976	R. Eustace Semmes	2003	John A. Jane
1977	Bronson S. Ray	2004	John C. Van Gilder
1978	Guy L. Odom	2005	H. Richard Winn
1979	W. James Gardner	2006	William Shucart
1980	Joseph P. Evans	2007	Julian T. Hoff
1981	Frank H. Mayfield	2008	Howard M. Eisenberg
1982	Edwin B. Boldrey	2009	David G. Piepgras
1983	J. Lawrence Pool	2010	Philip R. Weinstein
1984	Lyle A. French	2011	Martin H. Weiss
1985	Edgar A. Kahn	2012	Charles J. Hodge, Jr.
1986	R. M. Peardon Donaghy	2013	Volker K. H. Sonntag
1987	Charles G. Drake	2014	Robert J. Dempsey
1988	Robert B. King	2015	Allan H. Friedman
1989	Theodore Rasmussen	2016	Edward H. Oldfield
1990	Eben Alexander, Jr.	2017	Ralph G. Dacey, Jr.
1991	William H. Sweet	2018	Kim J. Burchiel
1992	Francis Murphey	2019	Arthur L. Day
1993	Sidney Goldring	2020	Donald O. Quest, MD
1994	Byron C. Pevehouse	2021	H. Huntington Batjer, MD
1995	William F. Collins, Jr.	2022	Griffith R. Harsh IV, MD
1996	Sean Mullan		

GRASS FOUNDATION AWARD RECIPIENTS

1982	Aruthur A. Ward, Jr.	Epilepsy Research
1983	Thomas W Langfitt	Cerebral Blood Flow and Metabolism in Head Injury
1984	George A. Ojemann	Research in the Brain Organization for Language and Memory
1985	John A. Jane	Plasticity in the Brain and Skull
1986	Donald P. Becker	Maximizing Brain Recovery in Neurosurgical Disorders (Uncovering Mechanisms in Reversible Brain Cell Injury)
1987	Charles J. Hodge, Jr.	The Spinothalamic Tract Revisited
1988	Robert G. Grossman	The Temporal Lobe in Epilepsy
1989	Paul L. Kornblith	Biological Studies of Human Gliomas and Their Therapeutic Implications
1990	Robert L. Grubb, Jr.	Physiological Responses to Cerebral Ischemia
1991	Thoralf M. Sundt, Jr.	The Clinical Application of Laboratory Studies in Hemorrhagic Occlusive Cerebrovascular Disease
1992	Bryce K. Weir	Views from the Shoulders of Giants
1993	Peter M. Richardson	Cells and Molecules for Axonal Regeneration
1994	Robert L. Martuza	Molecular Targeting of Therapy for Neurosurgical Disorders
1995	Edward H. Oldfield	The Potential of Treatment of Neurological Disease with Regional Delivery of Recombinant Molecules
1996	Neal Kassell	Intracranial Aneurysms: A 30-Year Odyssey
1997	James N. Campbell	Studies of Neuropathic Pain: From Nociceptor to Patient
1998	Ronald Tasker	What Microelectrode Recording in the Brain Tells Us about Pain
1999	H. Richard Winn	Role of Adenosine in Cerebral Blood Flow Regulation
2000	Henry Brem	Brain Tumor Therapy
2001	Julian T. Hoff	Basic Research by a Clinical Surgeon: An Impossible Dream?
2002	Charles H. Tator	Brain and Spinal Cord Injury: The Epidemic, the Prevention and the Research toward Cures
2003	Ralph G. Dacey, Jr.	Integrated Vascular Responses in the Cerebral Microcirculation: Physiologic and Therapeutic Implications
2004	James T. Rutka	An Odyssey in Neuro-Oncology Research: A Tale of Two Tumors
2005	Fred A. Lenz	The Primate Thalamus
2006	Dennis D. Spencer	Applying Basic Science Tools to Clinical Research: The Investigation of Human Epilepsy
2007	E. Antonio Chiocca	Translational Therapeutics for Brain Tumors: Opportunities and Challenges

WINN AWARD RECIPIENTS

2008	Tae Sung Park, MD	<i>Cerebral Microvascular Injury in the Neonate and Selective Dorsal Rhizotomy for Spastic Cerebral Palsy</i>
2009	Mitchel S. Berger, MD	<i>Impacting Outcome for Patients with Gliomas: A Convergence of Thoughts and Practice</i>
2010	Andres M. Lozano, MD, PhD	<i>Tuning the Circuits in the Brain to Improve Function</i>
2011	J. Marc Simard, MD, PhD	<i>SUR1—Promising Molecular Target in CNS Ischemia and Trauma</i>
2012	Robert M. Friedlander, MD	<i>Role of Caspase Cell Death Pathways in Neurological Diseases</i>
2013	Michael G. Fehlings, MD, PhD	<i>Repair and Regeneration of the Injured Spinal Cord: from Molecule to Man</i>
2014	Matthew A. Howard, III, MD	<i>Neurosurgery Research: Creativity, Adaptability and Survival</i>
2015	Ian Pollack, MD	<i>Molecular Markers and Molecularly Targeted Therapies for Childhood Brain Tumors</i>
2016	E. Sander Connolly, Jr., MD	<i>Neuroinflammation and the Evolving Pharmacotherapy of Acute Stroke</i>
2017	Gary K. Steinberg, MD, PhD	<i>A Lifelong Quest to Understand and Treat Cerebrovascular Disease</i>
2018	John Sampson, MD	<i>Brain Tumor Immunotherapy: Turning Money into Knowledge and Knowledge into Money</i>
2019	Michael D. Taylor, MD	<i>Pediatric Brain Tumors in the Molecular Era</i>
2020	Not awarded due to COVID-19 Pandemic	
2021	Murat Gunel, MD	
2022	Frederick F. Lang, MD	

MEDICAL STUDENT TEACHING AWARD RECIPIENTS

2016	Donald O. Quest, MD
2017	Allan H. Friedman, MD
2018	Robert J. Dempsey, MD
2019	Henry Brem, MD
2020	Nicholas M. Barbaro, MD
2021	Edward Benzel, MD
2022	Robert E. Gross, MD, PhD

BASS AWARD LECTURERS

- 1997 Clayton Wiley, MD, PhD – Director, Division of Neuropathology, University of Pittsburgh, Pittsburgh, PA
- 1998 Dennis Choi, MD, PhD – Professor and Head, Department of Neurology, Washington University School of Medicine, St. Louis, MO
The Role of Zinc in Acute Brain Injury
- 1999 Steven Ringel, MD, PhD – Professor of Neurology, Neuromuscular Department, University of Colorado Health Sciences Center, Denver, CO
Demonstrating the Value of Treating Patients with Neurologic and Neurosurgical Diseases
- 2000 Stanley Pruisner, MD – Professor of Neurology, Director of the Institute of Neurodegenerative Diseases, University of California School of Medicine, San Francisco, CA
New Approaches to Dementing Illnesses—The Saga of Prions: From Heresy to Orthodoxy
- 2001 Fred H. Gage, MD – Professor Laboratory of Genetics, The Salk Institute, La Jolla, CA
Stem Cells in the Adult Mammalian Brain
- 2002 Gerald Fischbach, MD – College of Physicians and Surgeons, Columbia University, New York, NY
Neurosurgical Science in the New Millennium
- 2003 Irving Weissman, MD – Professor of Pathology, Stanford University, CA
Stem and Progenitor Cell Biology and Transplantation
- 2004 Mario Capecchi, PhD – Distinguished Professor of Biology and Human Genetics, The University of Utah, Salt Lake City, UT
Mouse Knockout Model
- 2005 Michael Merzenich, PhD – Francis A. Sooy Chair, Department of Otolaryngology, University of California San Francisco, San Francisco, CA
Brain Plasticity and Neurosurgery
- 2006 Bruce McNaughton, PhD – Director, ARL Division of Neural Systems Memory and Aging, University of Arizona, Tucson, AZ
Hippocampal Neural Activation and the Trace Reactivation Theory of Memory Consolidation
- 2007 Antonio Damasio, MD, PhD – David Dornsife Professor of Neuroscience and Director, Brain and Creativity Institute, University of Southern California, Los Angeles, CA
The Neurobiology of Emotion: Advances and Consequences
- 2008 John Povlishock, PhD – Professor and Chair, Department of Anatomy and Neurobiology, Virginia Commonwealth University School of Medicine, Richmond, VA
Thirty Years of Neurotrauma Research—What Have We Learned and Where Are We Headed?

BASS AWARD LECTURERS

- 2009 Webster K. Cavenee, PhD – Director, Ludwig Institute for Cancer Research, University of California San Diego, CA
Genetics and Therapeutic Response in Glioblastoma
- 2010 James A. Thompson, VMD, PhD – Director of Regenerative Biology, University of Wisconsin School of Medicine and Public Health, Madison, WI
Exiting the Pluripotent State and Back Again
- 2011 Michael S. Gazzaniga, PhD – Director of the SAGE Center for the Study of Mind, University of California Santa Barbara, Santa Barbara, CA
Trying to Understand the Mind/Brain Interface

GROSSMAN AWARD LECTURERS

- 2012 Frans de Waal, PhD Empathy in Primates
- 2013 Margaret Livingstone, PhD What Art Tells Us about the Brain
- 2014 Allan Basbaum, PhD Dorsal Horn Cell Transplant
- 2015 Marc Diamond, MD Prion Biology of the Tau Protein—Implications for Common Neurodegenerative Disease
- 2016 Olaf Sporns, PhD Human Connectomics—New Tools and Approaches for Mapping the Brain
- 2017 Henry Marsh, CBE, FRCS Do No Harm
- 2018 Howard Fields, MD, PhD Brain Circuits for Opioid Analgesia and Reward
- 2019 Leland H. Hartwell, PhD Experiencing Science
- 2020 Not awarded due to COVID-19 Pandemic
- 2021 Michael J. Kahana, PhD
- 2022 Mark Griswold, PhD

SOCIETY HISTORY

PRESIDENT

Harvey W. Cushing, MD	1920–1921	Eben Alexander, Jr., MD	1972–1973
Charles H. Frazier, MD	1921–1923	J. Garber Galbraith, MD	1973–1974
Charles A. Elsberg, MD	1923–1925	Arthur A. Ward, Jr., MD	1974–1975
Ernest Sachs, Sr., MD	1925–1927	Joseph L. Ransohoff, II, MD	1975–1976
Alfred S. Taylor, MD	1927–1929	W. Eugene Stern, MD	1976–1977
Howard C. Naffziger, MD	1929–1930	Robert B. King, MD	1977–1978
Charles Dowman, MD	1930–1931	Shelley N. Chou, MD	1978–1979
Charles Bagley, Jr., MD	1931–1932	William E. Hunt, MD	1979–1980
Alfred W. Adson, MD	1932–1933	Charles G. Drake, MD	1980–1981
Harry H. Kerr, MD	1933–1934	Sidney Goldring, MD	1981–1982
W. Jason Mixter, MD	1934–1935	John Shillito, Jr., MD	1982–1983
Max M. Peet, MD	1935–1936	W. Kemp Clark, MD	1983–1984
Carl W. Rand, MD	1936–1937	William F. Collins, Jr., MD	1984–1985
Gilbert Horrax, MD	1937–1938	Sean F. Mullan, MD	1985–1986
Francis C. Grant, MD	1938–1939	Byron C. Pevehouse, MD	1986–1987
Byron P. Stookey, MD	1939–1940	Thomas W. Langfitt, MD	1987–1988
Howard W. Fleming, MD	1940–1941	Phanor L. Perot, Jr., MD	1988–1989
Jay J. Keegan, MD	1941–1942	Russel H. Patterson, Jr., MD	1989–1990
Wilder Penfield, MD	1942–1944	Robert G. Ojemann, MD	1990–1991
Loyal Davis, MD	1944–1946	Bennett M. Stein, MD	1991–1992
Winchell M. Craig, MD	1946–1947	Albert L. Rhoton, Jr., MD	1992–1993
Percival Bailey, MD	1947–1948	John A. Jane, Sr., MD	1993–1994
Kenneth G. McKenzie, MD	1948–1949	Robert G. Grossman, MD	1994–1995
R. Glen Spurling, MD	1949–1950	Kenneth R. Smith, Jr., MD	1995–1996
William V. Cone, MD	1950–1951	David G. Kline, MD	1996–1997
Leo M. Davidoff, MD	1951–1952	John Van Guilder, MD	1997–1998
William P. Van Wagenen, MD	1952–1953	William A. Shucart, MD	1998–1999
Ottiwell W. Jones, Jr., MD	1953–1954	Julian T. Hoff, MD	1999–2000
W. James Gardner, MD	1954–1955	Howard M. Eisenberg, MD	2000–2001
Edgar F. Fincher, Jr., MD	1955–1956	Martin H. Weiss, MD	2001–2002
William J. German, MD	1956–1957	Robert A. Ratcheson, MD	2002–2003
Edgar A. Kahn, MD	1957–1958	David Piepgras, MD	2003–2004
Leonard T. Furlow, MD	1958–1959	Philip R. Weinstein, MD	2004–2005
Paul C. Bucy, MD	1959–1960	Charles J. Hodge, Jr., MD	2005–2006
James L. Poppen, MD	1960–1961	A. John Popp, MD	2006–2007
J. Grafton Love, MD	1961–1962	Dennis D. Spencer, MD	2007–2008
Harry Wilkins, MD	1962–1963	Edward H. Oldfield, MD	2008–2009
Bronson S. Ray, MD	1963–1964	Robert J. Dempsey, MD	2009–2010
Barnes Woodhall, MD	1964–1965	Allan H. Friedman, MD	2010–2011
Edwin B. Boldrey, MD	1965–1966	Arthur L. Day, MD	2011–2012
A. Earl Walker, MD	1966–1967	Ralph G. Dacey, Jr., MD	2012–2013
Frank H. Mayfield, MD	1967–1968	Kim J. Burchiel, MD	2013–2014
Henry G. Schwartz, MD	1968–1969	H. Huntington Batjer, MD	2014–2015
William H. Sweet, MD	1969–1970	Robert E. Harbaugh, MD	2015–2016
Guy L. Odom, MD	1970–1971	Alan R. Cohen, MD	2016–2017
William F. Meacham, MD	1971–1972	Nicholas M. Barbaro, MD	2017–2018

SOCIETY HISTORY

Daniel L. Barrow, MD	2018–2019	M. Sean Grady, MD	2020–2021
Karin M. Muraszko, MD	2019–2020	Warren R. Selman, MD	2021–2022

VICE PRESIDENT

Dean D. Lewis, MD	1921–1923	H. Thomas Ballantine, Jr., MD	1971–1972
Charles Bagley, Jr., MD	1923–1925	Frank E. Nulsen, MD	1972–1973
Howard C. Naffziger, MD	1925–1929	Oscar Sugar, MD	1973–1974
Charles Dowman, MD	1929–1930	Frank P. Smith, MD	1974–1975
Charles Bagley, Jr., MD	1930–1931	Thomas P. Morley, MD	1975–1976
Alfred W. Adson, MD	1931–1932	Eldon L. Foltz, MD	1976–1977
Harry H. Kerr, MD	1932–1933	William Feindel, MD	1977–1978
W. Jason Mixter, MD	1933–1934	Charles E. Brackett, MD	1978–1979
Max M. Peet, MD	1934–1935	John Shillito, Jr., MD	1979–1980
Carl W. Rand, MD	1935–1936	Courtland H. Davis, Jr., MD	1980–1981
Gilbert Horrax, MD	1936–1937	Robert L. McLaurin, MD	1981–1982
Francis C. Grant, MD	1937–1938	Ross H. Miller, MD	1982–1983
Byron P. Stookey, MD	1938–1939	Sean F. Mullan, MD	1983–1984
Howard W. Fleming, MD	1939–1940	John F. Meagher, MD	1984–1985
Jay J. Keegan, MD	1940–1941	George T. Tindall, MD	1985–1986
Wilder Penfield, MD	1941–1942	Thoralf M. Sundt, Jr., MD	1986–1987
Loyal Davis, MD 1	1942–1944	James T. Robertson, MD	1987–1988
Winchell M. Craig, MD	1945–1946	John A. Jane, Sr., MD	1988–1989
Percival Bailey, MD	1946–1947	Charles B. Wilson, MD	1989–1990
Kenneth G. McKenzie, MD	1947–1948	Jim L. Story, MD	1990–1991
R. Glen Spurling, MD	1948–1949	Peter J. Jannetta, MD	1991–1992
William V. Cone, MD	1949–1950	Donlin M. Long, MD, PhD	1992–1993
Leo M. Davidoff, MD	1950–1951	Kenneth R. Smith, Jr., MD	1993–1994
William P. Van Wagenen, MD	1951–1952	David G. Kline, MD	1994–1995
Ottiwell W. Jones, Jr., MD	1952–1953	Robert H. Wilkins, MD	1995–1996
W. James Gardner, MD	1953–1954	Bryce K. A. Weir, MD	1996–1997
Edgar F. Fincher, Jr., MD	1954–1955	Charles H. Tator, MD, PhD	1997–1998
William J. German, MD	1955–1956	Howard M. Eisenberg, MD	1998–1999
Edgar A. Kahn, MD	1956–1957	Martin H. Weiss, MD	1999–2000
Franc D. Ingraham, MD	1957–1958	H. Richard Winn, MD	2000–2001
Paul C. Bucy, MD	1958–1959	Charles J. Hodge, Jr., MD	2001–2002
Eric Oldberg, MD	1959–1960	Philip R. Weinstein, MD	2002–2003
J. Grafton Love, MD	1960–1961	Robert L. Grubb, Jr., MD	2003–2004
Harry Wilkins, MD	1961–1962	Dennis D. Spencer, MD	2004–2005
Robert A. Groff, MD	1962–1963	Edward H. Oldfield, MD	2005–2006
Joseph P. Evans, MD	1963–1964	Allan H. Friedman, MD	2006–2007
George S. Baker, MD	1964–1965	Robert J. Dempsey, MD	2007–2008
Samuel R. Snodgrass, MD	1965–1966	William T. Coudwell, MD, PhD	2008–2009
C. Hunter Shelden, MD	1966–1967	Ralph G. Dacey, Jr., MD	2009–2010
Benjamin B. Whitcomb, MD	1967–1968	Steven L. Giannotta, MD	2010–2011
Theodore B. Rasmussen, MD	1968–1969	David W. Roberts, MD	2011–2012
Lester A. Mount, MD	1969–1970	M. Sean Grady, MD	2012–2013
Robert H. Pudenz, MD	1970–1971	Daniel L. Barrow, MD	2013–2014

SOCIETY HISTORY

Robert A. Solomon, MD	2014–2015	Griffith R. Harsh, IV, MD	2018–2019
Timothy B. Mapstone, MD	2015–2016	Shelly D. Timmons, MD, PhD	2019–2020
Anil Nanda, MD	2016–2017	E. Sander Connolly, Jr., MD	2020–2021
Warren R. Selman, MD	2017–2018	Deborah L. Benzil, MD	2021–2022

SECRETARY-TREASURER

Ernest Sachs, Sr., MD	1920–1924	Bronson S. Ray, MD	1954–1959
Francis C. Grant, MD	1925–1936	Guy L. Odom, MD	1959–1964
Winchell M. Craig, MD	1937–1943	Frank E. Nulsen, MD	1964–1969
Leo M. Davidoff, MD	1944–1948	William E. Hunt, MD	1969–1971
Edgar F. Fincher, Jr., MD	1949–1953		

SECRETARY

William E. Hunt, MD	1971–1974	David G. Piepgras, MD	1997–2002
William F. Collins, Jr., MD	1974–1979	Robert J. Dempsey, MD	2002–2007
W. Kemp Clark, MD	1979–1982	Kim J. Burchiel, MD	2007–2012
Phanor L. Perot, Jr., MD	1982–1987	Nicholas M. Barbaro, MD	2012–2017
James I. Ausman, MD, PhD	1987–1992	Nathan R. Selden, MD, PhD	2017–2022
William A. Shucart, MD	1992–1997		

TREASURER

Robert L. McLaurin, MD	1971–1976	A. John Popp, MD	2001–2005
Albert L. Rhoton, Jr., MD	1976–1981	Arthur L. Day, MD	2005–2010
Bennett M. Stein, MD	1981–1986	Alan R. Cohen, MD	2010–2015
David G. Kline, MD	1986–1991	M. Sean Grady, MD	2015–2020
John C. VanGilder, MD	1991–1996	Richard W. Byrne, MD	2020–2023
Robert A. Ratcheson, MD	1996–2001		

HISTORIAN

Ernest Sachs, Sr., MD	1936–1948	Eben Alexander, Jr., MD	1983–1999
Francis C. Grant, MD	1949–1951	Russel H. Patterson, Jr., MD	1999–2013
A. Earl Walker, MD	1951–1966	Donald O. Quest, MD	2013–2019
Frank Turnbull, MD	1966–1972	Kim J. Burchiel, MD	2019–current
Edwin B. Boldrey, MD	1972–1983		

MEMBER-AT-LARGE

George A. Ojemann, MD	1987–1990	M. Sean Grady, MD	2009–2012
Howard M. Eisenberg, MD	1990–1993	Daniel L. Barrow, MD	2013–2014
Robert L. Grubb, Jr., MD	1993–1996	Robert L. Harbaugh, MD	2012–2015
Charles J. Hodge, Jr., MD	1996–1999	Karin M. Muraszko, MD	2015–2018
Philip R. Weinstein, MD	1999–2002	E. Antonio Chiocca, MD, PhD	2017–2020
James T. Rutka, MD, PhD	2002–2005	Michael M. Haglund, MD, PhD	2019–2021
William T. Couldwell, MD, PhD	2005–2008	Oren Sagher, MD	2020–2023
Nicholas M. Barbaro, MD	2008–2011	Sepideh Amin-Hanjani, MD	2021–2024

PAST MEETINGS OF THE SOCIETY

Boston	Peter Bent Brigham Hospital	March 19–20, 1920
Boston	Peter Bent Brigham Hospital	November 26–27, 1920
Philadelphia	University Hospital	June 3–4, 1921
Rochester	Mayo Clinic	November 4–5, 1921
New York	Neurological Institute	April 28–29, 1922
St. Louis	Barnes Hospital	December 15–16, 1922
San Francisco	University of California Hospital	June 25–26, 1923
Boston	Massachusetts General Hospital	December 7–8, 1923
Philadelphia	University Hospital	June 3–4, 1924
Richmond	Memorial Hospital	December 5–6, 1924
New York	Neurological Institute	May 1–2, 1925
Rochester	Mayo Clinic	November 6–7, 1925
Ann Arbor	University Hospital	May 26–27, 1926
St. Louis	Barnes Hospital	December 10–11, 1926
Atlanta	Piedmont Hospital	May 20–21, 1927
Boston	Peter Bent Brigham Hospital Massachusetts General Hospital	October 13–14, 1927
Rochester	Mayo Clinic	June 9–12, 1928
Philadelphia	University Hospital	October 26–27, 1928
Montreal	Neurological Institute	June 3–5, 1929
New York	Neurological Institute	December 2–3, 1929
Baltimore	University of Maryland Medical School	June 13–14, 1930
St. Louis	Barnes Hospital	December 5–6, 1930
Richmond	Memorial Hospital	June 5–6, 1931
New Haven	New Haven Hospital	October 23–24, 1931
Boston	Massachusetts General Hospital Peter Bent Brigham Hospital	June 2–4, 1932
Chicago	Passavant Hospital University of Chicago Hospital	June 9–10, 1933
Ann Arbor	University Hospital	June 8–9, 1934
Philadelphia	University Hospital	June 10–11, 1935
New York	Neurological Institute	May 29–30, 1936
Montreal	Neurological Institute	May 31–June 1, 1937
San Francisco	University of California Hospital	June 9–10, 1938
Rochester	Mayo Clinic	September 28–29, 1939
St. Louis	Barnes Hospital	April 29–30, 1940
Richmond	Medical College of Virginia Hospital	May 1–2, 1941
Boston	Massachusetts General Hospital	May 14–16, 1942
Montreal	Neurological Institute	October 20–21, 1944
Nashville	Vanderbilt University Hospital	April 8–9, 1946
Cleveland	Cleveland Clinic	June 6–7, 1947
Omaha	University Hospital	June 11–12, 1948

PAST MEETINGS OF THE SOCIETY

Baltimore	University of Maryland Medical School Johns Hopkins Hospital	June 10–11, 1949
Chicago	University of Chicago School of Medicine	March 10–11, 1950
Rochester	Mayo Clinic	May 4–5, 1951
Philadelphia	University Hospital	May 5–6, 1952
New Orleans	Tulane University School of Medicine	March 20–21, 1953
Brooklyn	Kings County Hospital	April 23–24, 1954
Chicago	Northwestern University Medical School	April 25–26, 1955
Memphis	University of Tennessee School of Medicine	May 7–8, 1956
St. Louis	Washington University School of Medicine	May 17–18, 1957
Durham	Duke University Medical School	April 18–19, 1958
New York	Neurological Institute	April 27–28, 1959
Seattle	University of Washington Medical School	April 18–19, 1960
Boston	Harvard University Medical School	May 5–6, 1961
Minneapolis	University of Minnesota Medical School	April 27–28, 1962
Detroit	Wayne State University Medical School	April 16–17, 1963
Rochester	Mayo Clinic	May 8–9, 1964
Charlottesville	University of Virginia Medical School	April 16–17, 1965
Atlanta	Emory University School of Medicine	April 11–16, 1966
Portland	University of Oregon School of Medicine	April 13–15, 1967
Cincinnati	University of Cincinnati School of Medicine	April 4–6, 1968
New Orleans	Tulane University School of Medicine	February 13–15, 1969
Boston	Harvard University School of Medicine Golden Jubilee Meeting	April 16–18, 1970
Phoenix	Barrow Neurological Institute	February 14–17, 1971
New Haven	Yale University School of Medicine	May 10–13, 1972
Toronto	University of Toronto School of Medicine	May 20–23, 1973
Los Angeles	University of California at Los Angeles School of Medicine	February 28–March 2, 1974
Dallas	University of Texas Health Science Center	May 21–24, 1975
Winston-Salem	Bowman Gray School of Medicine	April 14–17, 1976
Rochester	Mayo Clinic	May 30–June 1, 1977
Philadelphia	University of Pennsylvania	May 17–19, 1978
San Antonio	University of Texas Health Science Center	March 28–30, 1979
San Francisco	University of California at San Francisco	May 26–28, 1980
Chicago	University of Chicago	May 10–13, 1981
Minneapolis	University of Minnesota	May 23–26, 1982
Seattle	University of Washington	May 18–21, 1983
New York	New York University Diamond Jubilee Meeting	April 25–28, 1984
Phoenix	Barrow Neurological Institute	May 5–8, 1985
Los Angeles	University of California at Los Angeles	May 11–14, 1986
Baltimore	Johns Hopkins University	May 27–30, 1987

PAST MEETINGS OF THE SOCIETY

Columbus	Ohio State University	May 15–18, 1988
Dallas	University of Texas Southwestern Medical Center	May 21–24, 1989
Ann Arbor	University of Michigan	May 20–23, 1990
Charleston	Medical University of South Carolina	May 8–11, 1991
Louisville	University of Louisville	May 17–20, 1992
San Diego	University of California at San Diego	May 23–26, 1993
Charlottesville	University of Virginia	April 24–27, 1994
Boston	Massachusetts General Hospital	May 7–10, 1995
Chicago	University of Illinois	May 12–14, 1996
Pittsburgh	University of Pittsburgh	May 18–20, 1997
St. Louis	Washington University St. Louis University	May 10–12, 1998
Colorado Springs	University of Colorado	May 16–18, 1999
Los Angeles (Pasadena)	University of Southern California	May 21–23, 2000
Cleveland	Case Western Reserve University	May 20–22, 2001
Toronto	University of Toronto	May 12–14, 2002
Cincinnati	University of Cincinnati	May 18–20, 2003
New Orleans	Louisiana State University	May 23–25, 2004
Palo Alto	Stanford University	May 22–24, 2005
Durham	Duke University	May 21–23, 2006
San Francisco	University of California at San Francisco	May 6–8, 2007
Madison	University of Wisconsin	May 18–20, 2008
Salt Lake City	University of Utah	May 16–19, 2009
New Haven	Yale University	June 19–22, 2010
Portland	Oregon Health & Science	May 21–24, 2011
Atlanta	Emory University	May 19–22, 2012
Boston	Peter Bent Brigham Hospital	June 7–11, 2013
Rochester	Mayo Clinic	May 17–20, 2014
Miami	University of Miami	June 6–9, 2015
Indianapolis	Indiana University	June 4–7, 2016
Houston	University of Texas	May 20–23, 2017
Hershey	Pennsylvania State	May 18–20, 2018
Seattle	University of Washington	May 18–21, 2019
N/A	Virtual Session due to COVID-19 Pandemic	May 30, 2020
Austin	JW Marriott Austin	October 15–16, 2021

FUTURE MEETINGS OF THE SOCIETY

Dallas

University of Texas Southwestern Medical Center
May 20-23, 2023

New York

Weill Cornell
2024

Cleveland

Cleveland Clinic
2025

SNS PROFESSIONALISM POLICY

Introduction

The SNS has unique organizational qualities derived from serving as the representative society for residency program directors and academic department chairs of neurological surgery. This requires the highest standards for professional conduct appropriate to set an example in the education of future neurosurgeons and to avoid conflicts of interest amongst neurosurgical educators.

On July 26, 2018, the SNS proposed that the One Neurosurgery Summit create a Professionalism Task Force representing the Summit organizations. This task force developed the One Neurosurgery Summit Professionalism and Harassment Model Policy. The intention was that each organization would then utilize and adapt the model policy as required for the special characteristics of its own organization, membership, and By-Laws. The following policies utilize the same definitions included in the One Neurosurgery Summit Professionalism and Harassment Model Policy.

Policy

1. Participants of any SNS or SNS sponsored event will not engage in any behavior that will undermine or interfere with the goals and purposes of the event including, but not limited to:
 - 1.1. The use of offensive or insensitive language or behavior;
 - 1.2. The use of denigrating comments based on race, national or ethnic origin, color, religion, age, sex, sexual orientation, gender or disability; or
 - 1.3. Harassment, threatening behavior or similar intimidation, or assault of other participants.
2. The SNS endorses a Code of Conduct that requires equal and respectful treatment of others, non-harassment, and non-retaliation, as well as ethical and professional behavior in the conduct of patient care and other professional activities.
 - 2.1. All participants of any SNS event will sign an acknowledgment of willingness to adhere to the meeting policy regarding harassment.
 - 2.2. All SNS members and SNS event participants will be provided this Code of Conduct at the time of event registration and the Code of Conduct will be posted on the event site and in the appropriate location on the SNS website.
 - 2.3. The SNS will also review the submission of any finding by a relevant professional body of unethical or unprofessional behavior by an SNS member in the conduct of patient care or other professional activities. Such professional bodies include but are not limited to state medical boards and licensing agencies, the medical executive committee of the hospital at which the member practices, the American Board of Neurological Surgery, and/or the American Association of Neurological Surgeons (AANS) Professional Conduct Program.
3. The SNS will provide a specific mechanism for reporting conduct that violates the Code of Conduct that will be easily accessed by all members and event participants.
 - 3.1. Any urgent or emergent issues will be addressed by calling 911.
 - 3.2. Any immediately threatening issues will be addressed by calling 911 or other authorities (police).
 - 3.3. A mechanism for protecting the identity of any individual reporting conduct that violates the Code

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- 3.4. Investigation and adjudication will be through a special task force appointed by the President of the SNS to include the Secretary (who will serve as Chair), the President-Elect and 3 additional SNS members in good standing. If the alleged violation relates to diversity or gender, then the task force will make every effort to include representation from that community.
 - 3.5. Accused members will be given the opportunity to make a written or oral statement to the special task force before any task force recommendations are made.
 - 3.6. The Task Force will collect preliminary information from pertinent individuals in written form and then within 3 months make a preliminary recommendation to the Executive Council.
 - 3.7. Where appropriate, the SNS President may additionally or alternatively refer concerns for review by an appropriate external body, including but not limited to the AANS Professional Conduct Program.
 - 3.8. The SNS Task Force and/or a delegated review body will share findings and make recommendations for action to the SNS Executive Council (SNS Bylaws, Article II, Section B.6).
 - 3.9. An accused member, who after full review and recommendation by the special task force is subject to action by the SNS Executive Council, may request the opportunity to submit a written appeal. The Council will review appeals and provide timely responses to accused members.
4. Code of Conduct violation reports should be directed through regular or electronic mail or by telephone to an SNS officer, or through submission of an online complaint form. The online complaint form will be present on the SNS website and a link to it will be included in Code of Conduct materials distributed at SNS events.
5. The SNS will develop or obtain educational material with review required for all Executive Committee members, committee chairs, course directors and holders of other leadership positions prior to assuming duties. Repeat training will be required every 5 years for individuals with ongoing SNS leadership roles.
6. Individuals reporting Code of Conduct Violations will be protected in the same manner as all reporters and whistleblowers:
- 6.1. Individuals will be protected from retaliation for reporting in good faith behavior or information which the individual reasonably believes is a violation of this policy.
 - 6.2. To the extent appropriate, the host organizations will endeavor to keep complaints, investigations and any findings related thereto confidential.
7. The SNS will designate one member of the Annual Meeting Program Committee (or equivalent for other SNS events) to monitor the content of all presentations for compliance with the Code of Conduct. The Chair of the Committee on Resident Education and CoRE subcommittee chairs will serve the same role for SNS curricular materials under their purview.
- 7.1. The relevant event planning committee will review possible Code of Conduct violations.
 - 7.2. The event planning committee will report to the violation to the SNS President and Secretary with a recommendation for an appropriate course of action to include:

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- 7.2.1. Letter of information;
 - 7.2.2. Letter of reprimand;
 - 7.2.3. Temporary removal from participation in SNS events in a leadership or teaching capacity;
 - 7.2.4. Or permanent removal from participation in SNS events in a leadership or teaching capacity
 - 7.3. Two thirds of the voting members of the SNS Executive Committee may approve final recommendations for action.
 - 7.4. This process will be completed within 6 months of each SNS event.
8. SNS event planning committees will evaluate all social components of educational events to assure their suitability, promote standards of professionalism, and reduce risk for violation of the Code of Conduct:
- 8.1. Special attention will be given to social events involving alcohol where residents or junior neurosurgeons directly interact with senior neurosurgeons.
 - 8.2. Duration of events and the availability of alcohol should be assessed as reasonable for the purpose of the event.
 - 8.3. Alcohol will only be available with the concurrent provision of food.
 - 8.4. Event planning committees should include information about associated social components for approval by the SNS Executive Committee.
9. Guests at any SNS event (speakers, spouses, etc.) will be held to the Code of Conduct as SNS members and may be barred by the SNS Executive Committee from future guest participation.
10. This policy will be reviewed every 5 years after adoption.
11. Reports of individual incidents occurring at SNS sponsored events must be made within 30 days of the event. Other reports of professional conduct violations may be made at any time.

NOTES

Lined area for notes, consisting of approximately 20 horizontal lines.

ADDRESS CORRECTION



The Society of Neurological Surgeons is making every effort to provide its members with timely and useful communication, via email and our website. For this reason, it is particularly important for the Secretary's office to have all of your current and accurate contact and biographical information. For your convenience, please visit the SNS website at societyofneurologicalsurgeons.org to update your email address, mailing address, biography, current photograph, and other information.

If you need further assistance, please contact the Secretary's office at:

Nathan R. Selden, MD, PhD

Society of Neurological Surgeons
10 N. Martingale Rd., Suite 190
Schaumburg, IL 60173
Phone: 847-805-4515
E-mail: sns@cns.org

Save the Date

The Society of Neurological Surgeons 2023 Annual Meeting



University of Texas Southwestern Medical Center
Dallas, TX
May 20-23, 2023

