Welcome to the Society of Neurological Surgeons

107th Meeting in the 96th Year
Hosted by Indiana University
June 4–7, 2016

One Neurosurgery

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

- Understand the importance of physical and mental health in resident training
- Describe how organized neurosurgery can work as an integrated unit to foster education and research
- Assimilate lessons from other disciplines (military, business and the arts) in talent assessment, ethics and remediation
- Integrate the latest advances in neuroscience research into their training programs

FRIDAY, JUNE 3, 2016 — All
4:00–6:00 pm   Registration: Conrad Hotel

SATURDAY, JUNE 4, 2016 — Executive Council Members Only
7:30 am–1:00 pm   Executive Council Meeting, Conrad Hotel

SATURDAY, JUNE 4, 2016 — All
8:00 am–5:00 pm   Registration: IUPUI Campus, Hine Hall

RESIDENCY: RESIDENT WELLNESS, PORTAL AND EDUCATION
Moderator: Gregory J. Zipfel, MD

9:00–9:40 am   Bootcamp and Junior Resident Course Update
- Richard W. Byrne, MD; Thomas C. Origitano, MD, Ganesh Rao, MD
- Moderator: Carl B. Heilman, MD

9:40–9:55 am   Neurosurgical Portal: Overview
- Warren R. Selman, MD; Nicholas C. Bambakidis, MD
9:55–10:05 am  **RUNN Course Update**
  – Allan H. Friedman, MD, PhD

10:05–10:15 am  **Match Committee Update**
  – Nelson M. Oyesiku, MD, PhD

10:15–10:30 am  **CAST: Update**
  – Steven L. Giannotta, MD

10:30–10:45 am  **Break**

10:45–10:55 am  **Maternity & Paternity Leave During Residency**
  – Lola B. Chambless, MD

10:55–11:15 am  **Report on Physician Burnout, Depression, and Suicide**
  – Sepideh Amin-Hanjani, MD; Benjamin Kennedy, MD

11:15–11:30 am  **Results from a Novel Neurosurgery Residency Wellness Initiative**
  – Alejandro Spiotta, MD

11:30–11:50 am  **Medical Student Education Update**
  – Daniel L. Barrow, MD

Noon–1:00 pm  Breakout Lunches:
  **Diversity in Neurosurgery**
  – Aruna Ganju, MD; Karin M. Muraszko, MD; Nathan R. Selden, MD
  Moderator: Judy Huang, MD
  **Research & Scholarship**
  – Robert M. Friedlander, MD; Russell R. Lonser, MD; John Sampson, MD
  Moderator: E. Sander Connolly, MD
  **International Neurosurgery: Educational & Service Opportunities**
  – Michael H. Hagleund, MD; Peter Nakaji, MD; Mark E. Shaffrey, MD
  Moderator: Robert J. Dempsey, MD

RESIDENCY: RRC AND ACCREDITATION
Moderator: Sepideh Amin-Hanjani, MD

1:00–1:15 pm  **Neurosurgery RRC Update**
  – Kim J. Burchiel, MD

1:15–1:30 pm  **Milestones Update**
  – Nathan R. Selden, MD, PhD

1:30–1:45 pm  **Duty Hours Update**
  – Robert E. Harbaugh, MD

1:45–2:30 pm  **Case Logs Minimum Panel**
  – Timothy B. Mapstone, MD (pediatrics); Robert Spinner, MD (peripheral nerve); Fernando L. Vale, MD (epilepsy/functional); John A. Wilson, MD (carotids); Jacques J. Morcos, MD (open vascular)
  Moderator: Linda Liau, MD, PhD

2:30–2:45 pm  Break

2:45–3:00 pm  **Program Director & Associate Program Director Qualifications, Duties, Stipends**
  – Kim J. Burchiel, MD; Gregory J. Zipfel, MD
3:00–3:45 pm  Scholarship in Residency Panel
   – Panelists: Aviva Abosch, MD, PhD; Edward C. Benzel, MD; Mitchel S.
   Berger, MD; William T. Couldwell, MD
   Moderator: Jason P. Sheehan, MD
3:45–4:00 pm  Residency Q & A
   – Kim J. Burchiel, MD; Pamela L. Derstine, PhD
4:30–5:30 pm  SNS Committee Meetings at Conrad Hotel
7:00–9:00 pm  Opening Reception: Columbia Club on the Circle, Crystal Terrace, 3rd
floor (heavy hors d’oeuvres served)

SUNDAY, JUNE 5, 2016

7:00 am–5:00 pm  Registration  IUPUI Campus, Hine Hall

SESSION 1: SUNDAY MORNING
Indiana University Host Program
Moderator: Nicholas M. Barbaro, MD

Integration with School and Health Systems

8:00–8:10 am  Welcome Remarks
   – Nicholas M. Barbaro, MD
8:10–8:25 am  Indiana University School of Medicine
   – Jay L. Hess, MD, PhD, MHSA
8:25–8:40 am  Indiana University Health
   – Dennis M. Murphy
8:40–8:55 am  Eskenazi Health
   – Lisa E. Harris, MD
8:55–9:10 am  History of the IU Department of Neurological Surgery
   – Nicholas M. Barbaro, MD
9:10–9:25 am  Goodman Campbell Brain and Spine
   – Mitesh V. Shah, MD
9:25–9:40 am  IU Neurosurgery Training Program
   – Scott A. Shapiro, MD

Sub-specialty Organization

9:40–9:50 am  Neuro-trauma Program
   – Richard B. Rodgers, MD
9:50–10:00 am  Vascular Program
   – Thomas J. Leipzig, MD
10:00–10:20 am  Break
10:20–10:30 am  Spine Surgery Program
   – Saad A. Khairi, MD
10:30–10:40 am  Surgical Oncology  
   – Aaron A. Cohen–Gadol, MD
10:40–10:50 am  Pediatric Neurosurgery  
   – Jodi L. Smith, MD, PhD
10:50–11:00 am  Functional Neurosurgery  
   – Thomas C. Witt, MD

Neuroscience Program

11:00–11:15 am  Stark Neuroscience Institute  
   – Bruce T. Lamb, PhD
11:15–11:30 am  Neuroscience Research Imaging  
   – Andrew J. Saykin, PsyD
11:30–11:45 am  Traumatic Brain Injury Research  
   – Thomas W. McAllister, MD

Special Lecture

11:45 am–12:00 pm  History of the Indianapolis Motor Speedway  
   – Scott A. Shapiro, MD

Noon–1:00 pm  Lunch: Senior Program Leadership Q & A  
   – Steven L. Giannotta, MD; Ralph G. Dacey, MD; Arthur L. Day, MD; Harry R. van Loveren, MD; Robert A. Solomon, MD

SESSION 2: SUNDAY AFTERNOON

Resident Discipline, Development, and Scholarship

Moderator:  Jason P. Sheehan, MD, PhD

1:00–1:25 pm  National Institute of Neurological Disorders and Stroke Update  
   – Walter J. Koroshetz, MD, Director, National Institute of Neurological Disorders and Stroke
1:25–2:10 pm  Discipline & Remediation of Residents: Case Vignettes  
   – Marvin Bergsneider, MD; Richard W. Byrne, MD;; Griffith R. Harsh IV, MD; Elad I. Levy, MD  
   Moderator: Gregory J. Zipfel, MD
2:10–2:15 pm  Introduction of Keynote Speaker  
   – James M. Ecklund, MD
2:15–2:45 pm  Keynote Address: Training, Discipline, and Remediation at West Point  
   – Timothy Trainor, PhD, Brigadier General, U.S. Army, Dean of the Academic Board, West Point
2:45–3:00 pm  Break
3:00–3:05 pm  
**Introduction of Keynote Speaker**  
– Nicholas M. Barbaro, MD

3:05–3:20 pm  
**Keynote Address: Recognition & Fostering of Talent**  
– Gwyn Richards, Dean of the Jacobs School of Music, Indiana University

3:20–3:35 pm  
**Keynote Address: Ethics & Determinants of Success**  
– Idalene F. Kesner, Dean, Kelley School of Business, Indiana University

3:35–4:00 pm  
**Panel Discussion**  
– Ralph G. Dacey, Jr., MD; Idalene F. Kesner, Dean, Kelley School of Business, Indiana University; Gwyn Richards, Dean of the Jacobs School of Music, Indiana University; Timothy Trainor, PhD, Brigadier General, U.S. Army, Dean of the Academic Board, West Point  
Moderator: Anil Nanda, MD, MPH, FACS

4:00–4:05 pm  
**Introduction of Winn Award Lecturer**  
– E. Antonio Chiocco, MD

4:05–5:00 pm  
**Winn Award Lecture**  
– Lecturer to be announced February 15

7:00–10:00 pm  
**Reception Dinner at the Indianapolis Motor Speedway/Pagoda and laps around the track**  
(Attire: Track Casual—Black & White)

**MONDAY, JUNE 6, 2016**

7:00 am–5:00 pm  
Registration  
**IUPUI Campus, Hine Hall**

**SESSION 3: MONDAY MORNING**

**Core and One Neurosurgery**

Moderator: Anil Nanda, MD, MPH, FACS

8:00–8:35 am  
**What is Core Neurosurgery?**  
– Reid C. Thompson, MD; Mark E. Shaffrey, MD, Jeffrey N. Bruce, MD, Kim J. Burchiel, MD  
Moderator: Richard G. Ellenbogen, MD

**CAST Fellowships:**

8:35–8:45 am  
**Point: CAST Fellowships**  
– Arthur L. Day, MD

8:45–8:55 am  
**Counterpoint: CAST Fellowships**  
– Fredric B. Meyer, MD
8:55–9:15 am  
**CAST Fellowship Interactive Discussion: Implications for Critical Care, Endovascular, Pediatric, and Spine**  
- Frederick A. Boop, MD (pediatrics); Daniel K. Resnick, MD (spine); B. Gregory Thompson, Jr., MD (endovascular); Alex B. Valadka, MD; (critical care and trauma)  
Moderator: Fredric B. Meyer, MD

9:15–10:00 am  
**One Neurosurgery: E Pluribus Unum**  
- Frederick A. Boop, MD, President of AANS; Kim J. Burchiel, MD, Chair of the RRC; Robert E. Harbaugh, MD, President of SNS; Russell R. Lonser, MD, President of CNS; Christopher I. Shaffrey, MD, Chair of the ABNS Board of Directors  
Moderator: Anil Nanda, MD, MPH, FACS

10:00–10:15 am  
Break

10:15–10:50 am  
**The Young Neurosurgeon’s Perspective**  
- Speakers to be determined  
Moderator: L. Dade Lunsford, MD

10:50–11:00 am  
**NREF Update**  
- Jon H. Robertson, MD, FAANS

11:00–11:05 am  
**Neurosurgery Medical Student Teaching Award**  
- To be presented by Daniel L. Barrow, MD, and Robert E. Harbaugh, MD

11:05–11:10 am  
**Distinguished Service Award – Edward H. Oldfield, MD**  
- To be presented by Robert E. Harbaugh, MD

11:10–11:15 am  
**Introduction of SNS President**  
- Alan R. Cohen, MD

11:15–11:55 am  
**Presidential Address: One Neurosurgery: The SNS as the Neurosurgical Keystone**  
- Robert E. Harbaugh, MD

11:55 am–Noon  
**Presentation of the Presidential Gavel**  
- Robert E. Harbaugh, MD; Alan R. Cohen, MD

Noon–1:00 pm  
Lunch

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**SESSION 4: MONDAY AFTERNOON**

**Clinical Science Update**

Moderator: Alan R. Cohen, MD

1:00–1:20 pm  
**Historical Vignette: Life of Ernie Sachs**  
- Introduction of Speaker: Donald O. Quest, MD  
- Speaker: Robert L. Grubb, Jr., MD
1:20–1:25 pm  
**Introduction of Keynote Speaker**  
– Gregory J. Zipfel, MD

1:25–1:55 pm  
**Keynote Address: Failings of Surgical Education**  
– Debra A. DaRosa, PhD, Professor Emeritus in Surgery, Northwestern University Feinberg School of Medicine

1:55–2:00 pm  
**Introduction of Grossman Award and Lecture**  
– Robert E. Harbaugh, MD

2:00–2:55 pm  
**Grossman Award Lecture**  
– Olaf Sporns, PhD, Robert H. Shaffer Chair, Distinguished Professor, and Provost Professor, Department of Psychological and Brain Sciences, Indiana University in Bloomington

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**Neurosurgery Scientific Update**

2:55–3:10 pm  
Break

3:10–3:25 pm  
**Stroke Update**  
– Kevin M. Cockroft, MD

3:25–3:40 pm  
**Tumor Update**  
– Anthony L. Asher, MD

3:40–3:55 pm  
**Spine Deformity Update**  
– Christopher I. Shaffrey, MD

3:55–4:10 pm  
**NIH Alternative to Randomized Trials**  
– E. Antonio Chiocca, MD

4:10–4:30 pm  
**The Interface of Neuroscience and Engineering**  
– Steven J. Schiff, MD, PhD

4:30–5:00pm  
**Scientific Update: Panel Discussion**  
– Anthony L. Asher, MD; Kevin M. Cockroft, MD; Steven J. Schiff, MD, PhD; Christopher I. Shaffrey, MD  
Moderator: E. Antonio Chiocca, MD

7:00–10:30 pm  
**Banquet at Indiana Roof Ballroom**  
Attire: Black Tie

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**TUESDAY, JUNE 7, 2016**

*Neuroscience Center, Goodman Hall Auditorium*

**SESSION 5: TUESDAY MORNING**

**Updates in Neurosurgery Organization**

Moderator: M. Sean Grady, MD

8:00–8:20 am  
**ABNS Update**  
– Richard G. Ellenbogen, MD
8:20–8:40 am  Washington Committee Update
– Shelly D. Timmons, MD, PhD

8:40–8:45 am  Introduction of Keynote Speaker
– Sepideh Amin-Hanjani, MD

8:45–9:15 am  Keynote Address: Burnout & Remediation of College Athletes
– Brian Hainline, MD, Chief Medical Officer of the National Collegiate Athletic Association

9:15–10:00 am  Practice Compensation Models Panel
– Cargill H. Alleyne, Jr., MD; Matthew G. Ewend, MD; M. Sean Grady, MD; Steven N. Kalkanis, MD
Moderator: John G. Golfinos, MD

10:00 am  Adjourn

10:00–noon  Executive Council Meeting  Goodman Campbell Board Room,
5th Floor Goodman Hall