



# 108<sup>th</sup> ANNUAL SCIENTIFIC MEETING

JULY 22-23, 2022 | THE HOTEL HERSHEY, HERSHEY, PA

## Friday, July 22, 2022

- 7:00 am-8:00 am Continental Breakfast and Meet with Exhibitors
- 8:00-8:15 am **Welcome and Opening Remarks**  
Mark Iantosca, MD, *PNS President*  
Scott Simon, MD, *PNS Program Chair*
- 8:15 - 9:20 am **Expert Panel with Audience Voting: Degenerative Spine**  
Moderator: Alexander Yu, MD  
Panel: William Welch, MD, Bong-Soo Kim, MD, Brandon Kujawski, MD, John Keller, MD
- 9:20 – 10:30 am **Expert Panel with Audience Voting: Neurosurgical Oncology**  
Moderator: Brad Zacharia, MD  
Panel: Edward Monaco, MD, PhD, Alexander Yu, MD, Nduka Amankulor, MD, Walter Jean, MD
- 10:30 – 10:45 am Break with Exhibitors
- 10:45 – 11:45 am **Expert Panel with Audience Voting: Pediatric Neurosurgery**  
Moderator: Elias Rizk, MD  
Panel: Alexander Tucker, MD, Benjamin Kennedy, MD, Tracy Flanders, MD, Shih-Shan Chen, MD
- 11:45 – 12:45 pm Lunch
- 12:45 – 1:00 pm **Annual Business Meeting**  
Mark Iantosca, MD, *PNS President*
- 1:00 – 1:15 pm **PA Legislative Update**  
David Thompson
- 1:15 – 1:30 pm **Washington Update**  
Clemens Schirmer, MD, PhD
- 1:30 – 2:30 pm **Expert Panel with Audience Voting: Head Trauma**  
Moderator: Haejoe Park, MD  
Panel: Philip Villanueva, MD, Justin Davanzo, MD, Joseph Zacko, MD

- 2:30 – 2:45 pm Break with Exhibitors
- 2:45 – 3:45 pm **Expert Panel with Audience Voting: Functional Neurosurgery**  
Moderator: Justin Davanzo, MD  
Panel: Chengyuan Wu, MD and Phillip Lee, MD
- 3:45 – 4:00 pm Break
- 4:00 – 5:00 pm **Expert Panel with Audience Voting: Cerebrovascular**  
Moderator: Ephraim Church, MD  
Panel: Clemens Schirmer, MD, PhD, Stavropoula Tjmakaris, MD,  
Brian Jankowitz, MD
- 5:15 – 6:15 pm Reception

### **Saturday, July 23, 2022**

- 7:00 - 8:00 am Continental Breakfast
- 7:55 - 8:00 am **Welcome and Introductions**  
Scott Simon, MD, *PNS Program Chair*
- 8:00 -9:30 am **Oral Abstract Presentations**  
Moderator: Ephraim Church, MD
- 8:00 – 8:08 am **Chronic Encapsulated Expanding Hematomas as a Rare Delayed Complication of Stereotactic Radiosurgery for Intracranial Arteriovenous Malformations: A Multicenter International Study**  
Arka N. Mallela, MD, MS, University of Pittsburgh Medical Center
- 8:08 – 8:16 am **Duration of Postoperative Recovery Period Correlates with Experiencing Subsequent Functional Decline**  
Daksh Chauhan, BS, Perelman School of Medicine at the University of Pennsylvania
- 8:16 – 8:24 am **Risk Analysis of Antithrombotic Agents Use During Radiosurgery for Brain Metastases: A Propensity Matched Analysis**  
Zachary Freedman, BS, Penn State College of Medicine
- 8:24 – 8:32 am **Precision Medicine for Meningiomas: Machine Learning Using Radiomic Feature Analysis Identifies Ki-67 Proliferative Index as a Prognostic Marker of Post-Operative Outcomes**  
Omadiya Khanna, MD, Thomas Jefferson University Hospital
- 8:32 – 8:40 am **Lumbar Plexus Safe Working Zones with Lateral Lumbar Interbody Fusion: A Systematic Review and Meta-Analysis**  
Dallas Kramer, MD, Allegheny General Hospital

8:40 – 8:48 am	<b>Gamma Knife Radiosurgery for Meningiomas of the Confluence of the Falx and Tentorium: A 34-Year Experience</b> Arka Mallela, MD, MS, University of Pittsburgh Medical Center
8:48 – 8:56 am	<b>Non-Invasive Biomarker for Differentiating Neurofibroma/Schwannoma From Other Solid Mass Mimics</b> Neel Patel, MD, Penn State Hershey Medical Center
8:56 – 9:04 am	<b>Resection Cavity Dynamics and Optimal Timing of Adjuvant Stereotactic Radiosurgery for Resected Brain Metastases</b> Sujay Rajkumar, BA, Drexel University College of Medicine
9:04 – 9:12 am	<b>Real World Utility of Next-Generation Sequencing in Neuro-Oncology Patients</b> Kent Richter, MD, Geisinger Medical Center
9:12 – 9:30 am	Q & A
9:30 - 9:45 am	Break
9:45 – 11:00 am	<b>Keynote Address - The Conquest of Mexico: Five Centuries of Flawed Data and Fake News</b> Introduction: Scott Simon, MD Address: Matthew Restall, PhD
11:00 - 12:00 pm	<b>Expert Panel with Audience Voting: Spine Trauma</b> Moderator: Diano Jho, MD Panel: Joseph Zacko, MD, Haejoe Park, MD, Pawel Ochalski, MD, Keith Kuhlengel, MD
12:00 -12:15 pm	<b>Awards Announced</b> Ephraim Church, MD
12:15 pm	<b>Adjournment</b>