



## PROGRAM AT-A-GLANCE

**FRIDAY, OCTOBER 10, 2025**

**8:30-8:37 am**

**Introduction to Tumor Section Symposium**

*Costas Hadjipanayis*

**8:37-8:45 am**

**Opening Remarks**

*Daniel Orringer, Pablo Valdes*

**8:45-10:05 am**

**General Session I: Integrating Data Streams in the OR**

**Moderators:** *Jen Moliterno, Gabriel Zada*

**8:45-9:05 am**

**Brain Mapping Data Stream**

*Mitch Berger*

**9:05-9:25 am**

**Imaging Data Stream**

*Costas Hadjipanayis*

**9:25-9:45 am**

**Molecular Data Stream**

*Daniel Orringer*

**9:45-10:05 am**

**Managing Data During Surgery with AI**

*Eric Oermann*

**10:05-10:30 am**

**Beverage Break in Exhibit Hall**

**10:30-11:15 am**

**Keynote Speaker**

*Edward Boyden*

**11:15-11:45 am**

**Abstract Session I – Brain**

**Moderators:** *Nduka Amankulor, Edjah Nduom*

**12:00-1:10 pm**

**Lunch in the Exhibit Hall**

**1:10-2:10 pm**

**General Session II: Advances in Skull Base Treatments and Diagnostics**

**Moderators:** *Shaan Raza, Timothy Smith*

**1:10-1:25 pm**

**Biological Advances in Meningioma**

*Gelareh Zadeh*

**1:25-1:40 pm**

**Incorporating Novel Technologies with Mastery of Anatomy as a Skull Base Surgeon**

*Juan C. Fernandez Miranda*

**1:40-1:55 pm**

**Incorporating Molecular Data in Skull Base Surgery**

*Linda Bi*

**1:55-2:10 pm**

**Emerging Technical Adjuncts in Skull Base Surgery**

*Daniel Prevedello*

**2:10-2:40 pm**

**Abstract Session II – Skull Base**

**Moderators:** *Walid Ibn Essayed, Michael Ivan*

**2:40-3:10 pm**

**Beverage Break in Exhibit Hall**

**3:10-3:50 pm**

**Breakout Session 1: Emerging Brain Tumor Molecular Diagnostics**

**Moderators:** *Alexandra Golby, Soma Sengupta*

**3:10-3:20 pm**

**Ultra-Rapid PCR**

*Gilad Evrony*

**3:20-3:30 pm**

**Intraop Nanopore Sequencing OR Intraop Mass Spec**

*Livia Eberlin*

**3:30-3:40 pm**

**CSF Liquid Biopsy**

*Soma Sengupta*

**3:40-3:50 pm**

**Case Presentations: Clinical Applications**

*Alexandra Miller*

**3:10-3:50 pm**

**Breakout Session 2: Essential Cancer Neuroscience for Neurosurgeons**

**Moderators:** *Kate Drummond, Shawn Hervey Jumper*

**3:10-3:20 pm**

**Practical Implications of Cancer Neuroscience and the Operating Room**

*Shawn Hervey-Jumper*

**3:20-3:30 pm**

**Future Directions and Pressing Questions in Cancer Neuroscience**

*Michelle Monje*

**3:30-3:40 pm**

**Beyond the Brain: The Role of the Gut-Brain Axis in Glioma**

*Yoshua Esquenazi*

**3:40-3:50 pm**

**Case Presentations: Clinical Applications**

*Kate Drummond*

**3:10-3:50 pm**

**Breakout Session 3: Advanced Higher Dimensional Visualization and Detection Techniques**

**Moderators:** *Todd Hollon, Thiebaud Picart*

**3:10-3:20 pm**

**Integrating Intraoperative Ex Vivo Technologies into Surgical Decision Making & Research**

*Todd Hollon*

**3:20-3:30 pm**

**Neurosurgical Brainbow: Spectral Imaging to Move Beyond Single Color Fluorescence Technologies to Multi-color Imaging of Pathology and Normal Tissues**

*Pablo Valdes*

**3:30-3:40 pm**

**Undiscovered Visualization Tools**

*Lei Li*

**3:40-3:50 pm**

**Case Presentations: Clinical Applications**

*Kevin Petrecca*

**3:10-3:50 pm**

**Breakout Session 4: Practical Electrophysiologic Mapping Updates**

**Moderators:** *Natalie Sherry, Jacob Young*

**3:10-3:20 pm**

**Functional Guided Resections: Beyond Visualization**

*Jasper Gerritsen*

**3:20-3:30 pm**

**Tasks and Methods for Awake Brain Mapping**

*Jazmin Mogavero*

**3:30-3:40 pm**

**Using the OR as Your Laboratory: Mapping, Tumors, and Research Versus Guidelines for Mapping**

*Nitin Tandon*

**3:40-3:50 pm**

**Mapping Platform Tools: Mindtrace (NON-CME)**

*Brad Mahon*

**3:10-3:50 pm**

**Breakout Session 5: Brain Mets**

**Moderators:** *Clark Chen, Melanie Hayden-Gephart*

**3:10-3:20 pm**

**Targeting Markers of Brain Metastases and Understanding Health Disparities**

*Melanie Hayden-Gephart*

**3:20-3:30 pm**

**Should Brain Metastases Be Managed Medically?**

*Kalil Abdullah*

**3:30-3:40 pm**

**Brain Metastases are a Surgical Disease**

*Maryam Rahman*

**3:40-3:50 pm**

**How Many is Too Many Brain Mets for SRS?**

*Ajay Niranjana*

**3:50-4:15 pm**

**Poster Session**

**6:00 pm**

**Gala Dinner**

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**SATURDAY, OCTOBER 11, 2025**

**8:00-8:05 am**

**Keynote Introduction**

*Costas Hadjipanayis*

**8:05-8:45 am**

**Keynote Speaker**

*Chetan Bettgowda*

**8:45-8:55 am**

**Question and Answer**

**9:05-10:05 am**

**Breakout Session 6: Adjunct Therapies Beyond Resection**

**Moderators:** *Isabelle Germano, Steve Kalkanis*

**9:05-9:20 am**

**The Role of LITT in Tumor Treatment**

*Ricardo Komotar*

**9:20-9:35 am**

**Brachytherapy, When to Use It?**

*Christopher Cifarelli*

**9:35-9:50 am**

**Sonodynamic Therapy**

*Nader Sanai*

**9:50-10:05 am**

**Update on SRS**

*Jason Sheehan*

**9:05-10:05 am**

**Breakout Session 7: Emerging Topics in Spinal Neurosurgical Oncology**

**Moderators:** *Muhammad Abd-El-Bar, Ilya Laufer*

**9:05-9:20 am**

**Intramedullary Spinal Cord Tumor Update**

*Mohamad Bydon*

**9:20-9:35 am**

**Spine Tumor Pain Classification**

*William Christopher Newman*

**9:35-9:50 am**

**Treatment of Recurrent Tumor-Metastatic, Primary Bone Tumors**

*Ori Barzilai*

**9:50-10:05 am**

**Carbon fiber versus Titanium Implants**

*Christopher Alvarez Breckenridge*

**10:05-10:35 am**

**Beverage Break in Exhibit Hall**

**10:40-11:10 am**

**Abstract Session III - Spine Tumor**

**Moderators:** *Christopher Alvarez Breckenridge, Pascal Zinn*

**11:10 am-11:50 am**

**Non-Profit Showcase/Opportunities for Collaboration**

**12:00-1:10 pm**

**Lunch in the Exhibit Hall**

**1:20-2:30 pm**

**General Session III: Neurosurgeon-Centric Clinical Trials**

**Moderators:** *Ashish Shah, Dimitris Placantonakis*

**1:20-1:30 pm**

**Disparities in Clinical Trial Populations and Areas of Investigation**

*Mahua Dey*

**1:30-1:40 pm**

**Local Delivery of Viral Oncolytic Therapy**

*Nino Chiocca*

**1:40-1:50 pm**

**Local Cell or Molecular Based Therapies**

*Bryan Choi*

**1:50-2:00 pm**

**Immunotherapy**

*Linda Liao*

**2:00-2:10 pm**

**Use of Focused Ultrasound for Drug Delivery**

*Adam Sonabend*

**2:10-2:20 pm**

**PDT**

*Walter Stummer*

**2:20-2:30 pm**

**Question and Answer**

**2:30-3:40 pm**

**Mentorship Session 1: Building a Lab**

*Bob Carter, Victoria Clark, Murat Gunel, Maciej Lesniak, Pierpaolo Peruzzi, Adam Sonabend*

**2:30-3:40 pm**

**Mentorship Session 2: Grant Mechanisms**

*Albert Kim, Melanie Hayden Gephart, Amy Heimberger, David Roberts*

**2:30-3:40 pm**

**Mentorship Session 3: How to Publish in Cell, Nature, and Science Journals**

*Edward Boyden, Todd Hollon, Gelareh Zadeh*