



10th Annual Innovative Approaches to Brain Tumor Management

Hybrid Course

Friday, February 7, 2025

AGENDA

- 8:00 a.m. Registration & Breakfast**
- 8:30 a.m. Welcome & Announcements**
Zachary N. Litvack, M.D., Charles Cobbs, M.D. & Alipi Bonm, M.D., Ph.D.
- 8:35 a.m. Evaluating the Safety & Efficacy of Intraarterial Chemotherapy with Osmotic Blood-Brain Barrier Disruption in Treating Brain Tumors**
Prakash Ambady, M.D.
Objectives:
- Identify the mechanism of osmotic blood-brain barrier disruption (BBBD)
 - Evaluate the clinical outcomes of BBBD in brain tumor treatment
- 8:55 a.m. Q&A**
- 9:00 a.m. Intracranial CAR T Cells for Pediatric CNS Tumors**
Nicholas Vitanza, M.D.
Objectives:
- Explain the mechanisms and rationale of CAR T Cell Therapy in CNS Tumors
 - Evaluate Clinical Advances and Challenges in Intracranial Delivery of CAR T Cells
- 9:20 a.m. Q&A**
- 9:25 a.m. Therapeutic CMV Vaccination for Treatment of rGBM: Results from a Phase IIb Trail**
Dave Anderson, M.D.
Objectives:
- Explain the role of CMV as a therapeutic target in rGBM
 - Analyze phase IIb trial results and clinical implications
- 9:55 a.m. Q&A**

10:00 a.m. Local Immunostimulatory Therapies for Glioblastoma: Preclinical and clinical experiences

Sean Lawler, Ph.D.

Objectives:

- Explore pre-clinical mechanisms of local immunostimulatory therapies for glioblastoma
- Evaluate clinical outcomes and translational potential of immunostimulator therapies

10:20 a.m. Q&A

10:25 a.m. Brain Tumors in Genetic Syndromes

Jerome Graber, M.D., MPH, FAAN

Objectives:

- Explain the genetic basis of brain tumors in syndromic disorders
- Recognize the clinical implications and management strategies

10:55 a.m. Q&A

11:00 a.m. Why Neurosurgeons Should Train in Palliative Care

Joseph Stern, M.D.

Objectives:

- Describe the role of Palliative Care in Neurosurgery
- Develop Core Palliative Care Skills for Neurosurgeons

11:20 a.m. Q&A

11:25 a.m. Breaks & Exhibits *(not for CME credit)*

11:40 a.m. Glioblastoma Ex Vivo Slice Culture Immunotherapy Model

Charles Cobbs, M.D.

Objectives:

- Describe the role of a GBM slice culture in immunotherapy
- Describe key concepts in making cold tumors hot

11:55 a.m. Q&A

- 12:00 p.m. Update in Meningioma Classifications, a Review of cIMPACT-NOW Update 8**
Miri Kim, M.D., Ph.D.
Objectives:
- Summarize the key updates and criteria introduced in cIMPACT-NOW Update 8, emphasizing changes in the molecular and histopathological classification of meningioma
 - Discuss how the updated classification impacts prognosis, treatment planning, and patient management, highlighting the role of molecular markers in guiding therapeutic decisions
- 12:20 p.m. Q&A**
- 12:25 p.m. Lunch Break & Exhibits** *(not for CME credit)*
- 12:55 p.m. Metabolic Reprogramming in Leptomeningeal Metastasis**
Adrienne Boire, M.D., Ph.D., FAAN
Objectives:
- Explore how metabolic adaptations facilitates survival
 - Analyze potential therapeutic strategies to target metabolic vulnerabilities in leptomeningeal metastasis
- 1:15 p.m. Q&A**
- 1:20 p.m. LITT for Management of Brain Metastases**
Veronica Chiang, M.D., FAANS
Objectives:
- Describe the Clinical Applications of LITT
 - Evaluate the Outcomes and Challenges of LITT
- 1:40 p.m. Q&A**
- 1:45 p.m. Whole Person Care for the Brain Tumor Patient**
Akanksha Sharma, M.D.
Objectives:
- Explain the principles of whole-person care for brain tumor patients
 - Implement strategies to support brain tumor patients holistically
- 2:05 p.m. Q&A**

- 2:10 p.m. Focused Ultrasound Treatment in brain tumor Treatment**
Shayan Moosa, M.D.
Objectives:
- Describe the principles of focused ultrasound technology
 - Evaluate the Clinical Applications and Outcomes of Focused Ultrasound in brain tumor Treatment
- 2:30 p.m. Q&A**
- 2:35 p.m. Breaks & Exhibits**
- 2:55p.m. Updates in Neuro-Oncology**
Alipi Bonm, M.D., Ph.D.
Objectives:
- Review recent advances in neuro-oncology research and treatments
 - Evaluate emerging clinical practices and guidelines in neuro-oncology care
- 3:15 p.m. Q&A**
- 3:20 p.m. The Roles of Social Worker in Management of Glioblastoma Patient Care**
Brenda Autabee-Bigalk, MSW, LICSW
Objectives:
- Demonstrate key roles for social workers in GBM care
 - Identify how family dynamics impact GBM patients
- 3:40 p.m. Q&A**
- 3:50 p.m. Wrap Up**
- 4:00 p.m. Adjourn**

ESTEEMED FACULTY

Charles Cobbs, M.D.

Course Co-Chair

Director, Ben & Catherine Ivy Center
Swedish Neuroscience Institute
Seattle, Washington

Zachary N. Litvack, M.D., FAANS, FACS

Course Co-Chair

Director, Skull Base & Minimally Invasive
Neurosurgery
Swedish Neuroscience Institute
Seattle, Washington

Alipi Bonm, M.D., Ph.D.

Course Co-Chair

Neuro-oncologist
Ben & Catherine Ivy Center
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Prakash Ambady, M.D.

Neuro-Oncology Specialist
Providence Saint Vincent Medical Center
Portland, Oregon

Dave Anderson, M.D.

Chief Scientific Officer
VBI Vaccines Inc.
Cambridge, Massachusetts

Adrienne Boire, M.D., Ph.D., FAAN

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Oncology and Pathogenesis Program
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New York, New York

Veronica Chiang, M.D., FAANS

Professor of Neurosurgery
Yale School of Medicine
New Haven, Connecticut

Jerome Graber, M.D., MPH, FAAN

Professor of Neurology & Neurosurgery
University of Washington
Seattle, Washington

Miri Kim, M.D., Ph.D.

Neurosurgeon
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Sean Lawler, Ph.D.

Associate Professor
Brown University
Providence, Rhode Island

Shayan Moosa, M.D.

Assistant Professor of Neurosurgery, Associate Director,
Neurosurgery Residency Program, Associate Director,
Stereotactic & Functional Fellowship Program
University of Virginia Health System
Charlottesville, Virginia

Akankasha Sharma, M.D.

Assistant Professor Neuro-Oncology Translational
Neurosciences
Providence Saint John's Health Center
Santa Monica, California

Joseph Stern, M.D.

Neurosurgeon
Carolina Neurosurgery & Spine Associates
Greensborough, North Carolina

Nicholas Vitanza, M.D.

Scientific Director, Brain Tumor Research Program & CNS CAR T Cell Lead
Seattle Children's Hospital
Seattle, Washington