In Joint Providership, Present the

Optimizing Multimodality Management of Brain and Spine Tumors 2018:
20th Annual Brain Tumor Update and 9th Annual Symposium on Brain and Spine Metastases

September 29-30, 2018
Loews Santa Monica Beach Hotel
1700 Ocean Avenue, Santa Monica, CA 90401

www.usc.edu/cme

This meeting is supported in part by the Henry L. Jaffe, MD Annual Oration in Therapeutic Radiology, a generous gift of the Peggy Bernstein Trust
PROGRAM

Saturday, September 29, 2018

8:00 am  Registration and Continental Breakfast
8:30 am  Welcome and Introductions
          Gene H. Barnett, MD, MBA and Steven L. Giannotta, MD

Spinal Tumors and Metastases

Moderator: Ajit Krishnaney, MD

8:40 am  Update on Imaging for Tumors of the Spinal Axis
          Wende Gibbs, MD
9:00 am  Vertebral Augmentation and Quality of Life
          Ajit Krishnaney, MD
9:20 am  Innovations in Spinal Oncologic Neurosurgery
          Patrick C. Hsieh, MD
9:40 am  Single vs. Hypo-Fractionation Outcomes for Spine Tumors
          Eric L. Chang, MD, FASTRO
10:00 am Break
10:20 am Building a Spine Radiosurgery Program
          Lilyana Angelov, MD
10:40 am Minimally Invasive Spinal Surgery for Tumors
          John C. Liu, MD
11:00 am Debate: Surgery vs. Radiosurgery for Spine Tumors
          Patrick C. Hsieh, MD vs. Lilyana Angelov, MD
11:30 am Lunch

Brain Metastases

Moderator: Samuel Chao, MD

12:30 pm  Pre-Op vs. Post-Op SRS for Brain Metastasis
          Ehsan H. Balagamwala, MD
12:50 pm  Brain Metastases: Growth Signaling and the Microenvironment
          Josh Neman-Ebrahim, PhD
1:10 pm  Parafascicular Surgery for Brain Metastases
          Gabriel Zada, MD, MS
1:30 pm  Diagnosis and Treatment of Cerebral Radiation Necrosis
          Samuel Chao, MD
1:50 pm  LITT in Management of Brain Metastases
          Gene H. Barnett, MD, MBA
2:10 pm  Break
2:30 pm  Immunotherapy and Targeted Therapy in Brain Metastases - Ready for Prime Time
          Manmeet S. Ahluwalia, MD
2:50 pm  Gamma Knife Radiosurgery for Brain Metastases
          Jason C. Ye, MD
3:10 pm  Staged and Adaptive Radiosurgery
          Lilyana Angelov, MD
3:30 pm  Debate: Brain Metastases (5 or more) Radiosurgery vs. Radiotherapy
          Moderator: Samuel Chao, MD
          Eric L. Chang, MD, FASTRO vs. John Suh, MD, FASTRO
4:00 pm  Adjourn
6:00 pm  Poster Walk and Reception until 8:00 pm
### PROGRAM

**Saturday, September 29, 2018**

**2018 Brain Tumor ‘Partners in Care’ Conference**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Registration/Continental Breakfast</td>
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<tr>
<td>8:30 am</td>
<td>Welcome and ABTA Overview</td>
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<td></td>
<td>Emily Lippert</td>
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<td>8:40 am</td>
<td>Patient Advocacy</td>
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<td>Michele Rakoff</td>
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<td>9:00 am</td>
<td>Translational Research Overview on Breast to Brain Metastases: Wolf in Sheep’s Clothing</td>
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<td>Josh Neman-Ebrahim, PhD</td>
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<td>10:00 am</td>
<td>Break</td>
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<tr>
<td>10:20 am</td>
<td>Neuroscience Functions: Brain Functions and How They Interact With Tumors</td>
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<td>Sean A. Grimm, MD</td>
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<tr>
<td>10:55 am</td>
<td>Brain Tumors: Treatment, Symptoms, and Late Effects</td>
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<td>Sean A. Grimm, MD</td>
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<td>11:30 am</td>
<td>Lunch</td>
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<tr>
<td>12:30 pm</td>
<td>Targeted Therapies: Meningioma and Brain Metastases</td>
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<td></td>
<td>Priscilla K. Brastianos, MD</td>
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<td>1:00 pm</td>
<td>Optimizing Supportive Care from Diagnosis to End of Life</td>
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<td>Cheryl Fogel, MSW, LCSW, ACHP-SW, OSW-C and Arlene Johnson, RN, CCM</td>
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<td>2:00 pm</td>
<td>Break</td>
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<td>2:30 pm</td>
<td>Caring for the Caregiver: Self Care for the Healthcare Professional</td>
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<td>Margaretta S. Page, RN, MS</td>
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<td>3:15 pm</td>
<td>Financial &amp; Legal Resources for Brain Tumor Patients and Families</td>
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<td>Craig Pressley, MSW, LICSW, OSW-C</td>
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<td>4:00 pm</td>
<td>Evaluation and Adjourn</td>
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**Sunday, September 30, 2018**

**Meningiomas: State of the Art Multimodal and Emerging Therapies**

**Moderator: Gabriel Zada, MD, MS**

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<tr>
<td>8:30 am</td>
<td>Surgical Management of Meningioma: Dealing with Recurrence</td>
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<td>Steven L. Giannotta, MD</td>
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<td>8:50 am</td>
<td>Endoscopic Skull Base Surgery for Meningiomas</td>
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<td>Pablo Recinos, MD</td>
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<td>9:10 am</td>
<td>Stereotactic Radiosurgery for Meningiomas</td>
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<td>John Suh, MD, FASTRO</td>
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<td>9:30 am</td>
<td>Chemotherapy Options for Refractory Meningiomas</td>
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<td>David Peereboom, MD</td>
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<td>9:50 am</td>
<td>Towards Precision Medicine for Meningiomas and Craniohypophyngiomas</td>
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<td>Priscilla K. Brastianos, MD</td>
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<td>10:10 am</td>
<td>Debate: Best Management Strategy</td>
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<td>Moderator: Gabriel Zada, MD, MS</td>
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<td></td>
<td>Pablo Recinos, MD-Surgery vs. Samuel Chao, MD-Radiosurgery</td>
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<td>10:30 am</td>
<td>Break</td>
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**Gliomas**

**Moderator: Manmeet S. Ahluwalia, MD**

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<tr>
<td>10:50 am</td>
<td>Radiomics and Advanced Neuroimaging of Brain Tumors: Implications for Diagnosis and Prognosticating Outcomes for Brain Tumors</td>
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<td>TBD</td>
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<tr>
<td>11:10 am</td>
<td>Medical Treatment for Glioblastoma</td>
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<td>Naveed A. Wagle, MD</td>
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<td>11:30 am</td>
<td>Update on LITT for Gliomas</td>
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<td>Alireza Mohammadi, MD</td>
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<td>11:50 am</td>
<td>Lunch</td>
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PROGRAM

Sunday, September 30, 2018

Moderator: Gene H. Barnett, MD, MBA

12:50 pm  Surveying the Genomic Landscape of High-Grade Glioma
           Frank Attenello, MD, MS

1:10 pm  New WHO Classification of Gliomas
          Kyle M. Hurth, MD, PhD

1:30 pm  Radiotherapy for Low Grade Glioma
          Erin Murphy, MD

1:50 pm  Break

2:10 pm  Intraoperative MRI for Glioma Resection
          Michael A. Vogelbaum, MD, PhD

2:30 pm  Emerging Therapy for Gliomas Based on Glioma Stem Cells
          Jennifer Yu, MD, PhD

2:50 pm  Novel Methods for Drug Delivery to the Brain
          Thomas C. Chen, MD, PhD

3:10 pm  Concluding Remarks
          Eric L. Chang, MD, FASTRO, Gabriel Zada, MD, MS and John Suh, MD, FASTRO

3:15 pm  Adjournment

FACULTY

Keck School of Medicine of USC Co-Directors

Eric L. Chang, MD, FASTRO
Chair and Professor of Radiation Oncology

Steven L. Giannotta, MD
Chair and Professor of Neurological Surgery

Gabriel Zada, MD, MS, FAANS, FACS
Associate Professor of Neurosurgery, Otolaryngology and Internal Medicine

Cleveland Clinic Co-Directors

Mannmeet Ahluwalia, MD, FACP
Director, Brain Metastasis Research Program
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center

Gene H. Barnett, MD, MBA
Director, Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center

Pablo Recinos, MD
Section Head, Skull Base Surgery
Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center

John Suh, MD, FASTRO
Chairman, Radiation Oncology

American Brain Tumor Association Co-Directors

Leticia J. Terry, MS
Director, Programs and Outreach

Emily Lippert
Program Manager

Guest Faculty

Priscilla K. Brastianos, MD
Harvard University and Massachusetts General Hospital
CALL FOR RESIDENT ABSTRACT SUBMISSIONS

Abstracts will be solicited for poster presentations. Posters will be on display in the exhibit hall on Saturday, September 29, from 8:00 am-8:00 pm.

The poster walk and reception is scheduled for September 29 from 6:00 pm-8:00 pm. Poster participants will be notified of acceptance as well as poster format and content requirements on or before August 17, 2018. A total of two resident prizes will be offered, (1) radiation oncology and (1) neurosurgery. Each winner is awarded a $1500 travel grant.

ABSTRACT REQUIREMENTS

• Deadline Date: July 30, 2018. One entry per presenter.
• Only residents and fellows may be the lead author on an abstract submission.
• Submit your abstract as a word document to Gabriel Zada, MD: gzada@usc.edu.
• 300 word limit

HOTEL INFORMATION

Loews Santa Monica Beach Hotel
Room Block Rate: $319, for Single or Double, City or Oceanfront King Suite
Courtesy rate is provided based on availability until September 7, 2018.

Please call the hotel directly to reserve a room:
1 (888) 332-0160
The 2nd annual joint USC/CCF symposium, **Optimizing Multi-Modality Management of Brain and Spine Tumors in 2018** is an advanced multidisciplinary conference led by expert faculty from USC and the Cleveland Clinic, with additional guest faculty from major national academic institutions. The meeting covers the latest treatment strategies for the most commonly occurring brain and spine tumors, including spinal metastases, brain metastases, gliomas, and meningiomas (a special topic this year). Disciplines involved include Oncology, Radiation Oncology, Neurology, Neurosurgery, Pathology, Medicine, and Radiology, among others. The meeting is similar to the one held in October 2017 in Las Vegas, which was a highly successful conference with solid attendance. This two-day conference is in Santa Monica, California, a popular and family-friendly tourist destination, and of major interest to a variety of practitioners, including physicians, nurses, residents and fellows, and other physician extenders.

**EDUCATIONAL OBJECTIVES**

By the end of the course, participants will be able to:

- Incorporate evidence-based data to improve diagnostic and therapeutic management of patients with brain metastases.
- Describe the latest available treatments for spinal tumors.
- Interpret the role of stereotactic radiosurgery in the treatment of brain metastases patients.
- Identify the latest multimodality treatments and clinical trials for gliomas.

**TARGET AUDIENCE**

This CME conference has been designed to target neurosurgeons, neuro-oncologists, radiation oncologists, radiologists, residents, medical students, nurses, nurse practitioners, physician assistants and allied health professionals.

**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 Keck School of Medicine of USC, Cleveland Clinic Foundation Center for Continuing Education and American Brain Tumor Association. The Keck School of Medicine of USC for Continuing Medical Education is accredited by the ACCME to provide continuing medical education for physicians.

**CREDIT DESIGNATION**

The Keck School of Medicine of USC designates this live activity for a maximum of 12.5 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
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