

2ND ANNUAL
Southern California

BRAIN TUMOR CONFERENCE



Friday, December 6, 2024

HSC Conference Center, USC Health Sciences Campus

Register!

PROGRAM AGENDA

7:30 am **Registration and Continental Breakfast**

7:45 am **Virtual Login Begins**

8:00 am **Welcome and Introduction**
*Dean Carolyn C. Meltzer, MD,
Gabriel Zada, MD, MS and
Josh Neman, PhD*

Session I: High-Grade Gliomas

Moderator: Frank Attenello, MD, MS

8:20 am **Modeling Genetic Heterogeneity of Glioblastoma and Response to Standard of Care Treatment in the Immunocompetent Mouse**
Katie Grausam, PhD

8:40 am **Clinical Trial Through ETCTN for Patients with Recurrent High-Grade Glioma**
Stephanie Yoon, MD

9:00 am **Updates in Resection of Gliomas**
Aaron Cohen-Gadol, MD

9:20 am **Neo 100**
Thomas C. Chen, MD, PhD

9:40 am **In Situ Vaccination of Brain Tumors**
David D. Tran, MD, PhD

10:00 am **Human iPSC-Derived Brain Cancer Avatars: Lessons Learned and Opportunities for Therapeutic Recovery**
Frank Furnari, PhD

10:20 am **Panel Discussion**

10:30 am **Break**

Session II: Brain Metastases

Moderator: Eric L. Chang, MD

10:40 am **Functional Magnetic Resonance Imaging (fMRI) as Adjunct for Planning Laser Interstitial Thermal Therapy (LITT) Near Eloquent Structures**
Won Kim, MD

11:00 am **Cancer Neuroscience in Brain Metastasis**
Josh Neman, PhD

11:20 am **Chimeric Antigen Receptor (CAR) T Cell Therapy for Leptomeningeal Disease for Primary Brain Tumors**
Lisa Anne Feldman, MD, PhD

11:40 am **Panel Discussion**

11:50 am **Lunch**

Session III: Meningioma/Pituitary

Moderator: Lindsay Hwang, MD

12:50 pm **Advances in Minimally Invasive Cranial Neurosurgery in 2025**
Gabriel Zada, MD, MS

1:05 pm **radiosurgery for Benign Brain Tumors**
Jason C. Ye, MD

1:20 pm **Mechanisms of Radiation Resistance**
Aram Modrek, MD, PhD

1:35 pm **Endocrine Outcomes After Pituitary Tumor Surgery**
Garni Barkhoudarian, MD

1:50 pm **Panel Discussion**

2:00 pm **Break**

Session IV: Pediatric Brain Tumors

Moderator: Frances Chow, MD

2:10 pm **Multioomic Characterization of Pediatric Gliomas Uncovers Novel, Subtype-Specific Therapeutic Approaches**
David Rincón Fernandez Pacheco, PhD

2:30 pm **Immunometabolic Adaptation of CD19-Targeted CAR T Cells in the CNS Microenvironment of Patients Promotes Memory Development**
Lior Goldberg, MD, MSc

2:50 pm **Cerebrospinal Fluid (CSF) Liquid Biopsy in Pediatric Central Nervous System (CNS) Tumors: Updates and Future Directions**
Katrina O'Halloran, MD, MS

3:10 pm **Mechanism(s) of Brain Tumor Growth Inhibition by PID1**
Anat Erdreich-Epstein, MD, PhD

3:30 pm **Animal Modeling of Recurrent Somatic Mutations-Towards Personalized Models of Pediatric Brain Tumors**
Moise Danielpour, MD

3:50 pm **Panel Discussion**

4:00 pm **Break**

Session V: Palliative Care

Moderator: Jinsy Rogers, LCSW

4:10 pm **Whole Person Care- How Palliative Care Integration Improves the Care of Neuro Oncology Patients**
Akanksha Sharma, MD

4:30 pm **Question and Answer**

4:40 pm **Poster Session**

5:30 pm **Adjourn**

USC Brain Tumor Center

Gratefully acknowledges the generous support of
The Hayden M. Gidan Compassionate Care Fund

FACULTY

COURSE DIRECTORS: KECK SCHOOL OF MEDICINE OF USC

Josh Neman, PhD

Associate Professor of Neurological Surgery, Physiology & Neuroscience
Chair, Cancer Biology & Genomics Doctoral Program
Scientific Director, Brain Tumor Center
Co-Leader, Neuro-Oncology Disease Affinity Group
Director, Cancer Research Training and Education Coordination
Norris Comprehensive Cancer Center

David D. Tran, MD, PhD

Associate Professor of Neurological Surgery and Neurology
Division Chief, Neuro-Oncology
Co-Director of the USC Brain Tumor Center

Gabriel Zada, MD, MS, FAANS, FACS

Professor of Neurological Surgery, Otolaryngology and Internal Medicine
Director, USC Brain Tumor Center
Department of Neurological Surgery

PLANNING COMMITTEE

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USC Brain Tumor Center | USC Pituitary Center
Keck School of Medicine of USC

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Director, Facial Pain Center
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Pacific Neuroscience Institute, Santa Monica, CA

GUEST FACULTY

Katie Grausam, PhD

Postdoctoral Scientist
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Cedars-Sinai, Los Angeles, CA

Lindsay Hwang, MD

Radiation Oncology Residency Associate Program Director
Clinical Assistant Professor of Radiation Oncology (LAGMC)
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Neuro-oncology, Pacific Brain Tumor Center
Pacific Neuroscience Institute
Director of Neuro-Oncology Research at Saint John's Cancer Institute
Santa Monica, CA

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Assistant Professor
Department of Radiation Oncology
City of Hope, Duarte, CA

KECK SCHOOL OF MEDICINE OF USC

Frank Attenello, MD, MS, FAANS

Sloan Family Endowed Associate Professor
Neurosurgery, Biochemistry, and Molecular Medicine
Department of Neurological Surgery

Aaron Cohen-Gadol, MD

Professor of Clinical Neurological Surgery
Associate Chair, Neurological Innovation
Department of Neurological Surgery

Eric L. Chang, MD, FASTRO, FARS

Professor and Chair
Department of Radiation Oncology

Aram Modrek, MD, PhD

Assistant Professor of Radiation Oncology
Department of Radiation Oncology

Thomas C. Chen, MD, PhD

Professor of Neurological Surgery
Director, Brain Tumor Center at Keck Hospital of USC
Director, USC Brain and Spine Tumor Research
Director, USC Neurological Surgery Satellite Operations
Department of Neurological Surgery

Jinsy Rogers, LCSW, OSW-C

Department of Neurological Surgery

Frances Chow, MD

Assistant Professor of Clinical
Neurological Surgery and Neurology
Neuro-Oncology Disease Affinity Group Leader,
USC Norris Comprehensive Cancer Center
Department of Neurological Surgery

Jason C. Ye, MD

Associate Professor of Clinical Radiation Oncology
Director of Clinical Operations
Department of Radiation Oncology

COURSE DESCRIPTION

Brain tumors and disorders related to brain tumors is a rapidly changing field with continued advances in surgical techniques, adjuvant therapies, radiation oncology modalities, innovative clinical trials, and most importantly brain tumor research. We use a multi-disciplinary approach integral to the diagnosis and treatment to effectively care for our brain tumor patients. Along the lines of multi-disciplinary approach, research and evidence-based practices are the pillar of our center. This program will entail multiple lectures from specialists in brain tumor research, neuro-oncology, neurosurgery, neuro-imaging, and neuro-radiation oncology practices. The experts in each of these fields will be presenting their latest research studies and practices to our guests so we can create a forum on the leading research and treatments for our patients in the community and beyond. The program will be followed by a poster session and reception.

COURSE OBJECTIVES

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

- Discuss the different modalities of treatment for patients with high-grade tumors.
- Integrate a multi-disciplinary approach in the care for patients with both benign and malignant brain tumors.
- Identify the need for social work to be involved in the treatment of patients with high-grade brain tumors.

TARGET AUDIENCE

This course is intended for neurosurgeons, neuro-oncologists, PhDs, APPs, RNs, medical students, graduate students and social workers who work with and/or treat patients with tumors.

ACCREDITATION STATEMENT

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 7.25 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)*[™] for license renewal: Registered Nurses may report up to 7.25 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.

Physician Assistants: The National Commission on Certification of Physician Assistants states that *AMA PRA Category 1 Credits*[™] accredited courses are acceptable CME requirements for recertification.

REGISTER FOR COURSE

Mail: 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033
Mail-in registration must be postmarked by December 3, 2024.

Online: <https://keckusc.cloud-cme.com/braintumor2024>

Phone: (323) 442-2555 | **Fax:** (323) 442-3734

Email: uscme@usc.edu

On-site: **Live registration:** Available December 6, 8:00 am, HSC Conference Center.

Virtual registration: Available until 9:30 am on December 6.

Visa or Mastercard: keckusc.cloud-cme.com/braintumor2024

CANCELLATION POLICY

Cancellations must be received by the USC Office of CME (fax or email) by December 3, 2024, 12:00 pm, PST for a refund. A \$30 cancellation fee will be applied. In the event of course cancellation by conference organizers, all registration fees will be fully refunded. USC will not refund any travel costs incurred.

REGISTER

Early bird price for live and virtual registration ends December 3, 2024 at 12:00 pm, PST. To register after December 3, 2024: Virtual registration adjusts to on-site price. For live registration, please register on-site.

Tuition: Choose one: Live Attendance Virtual Attendance

Early-bird: Before December 3, 2024 at 12:00 pm PST. After December 3: register on-site.

- \$125 MD/DO \$100 NP/PA/APP or RN/AH \$125 Researcher
 \$50 Students/Residents/Fellows

On-Site Registration: December 6, 2024 at 8:00 am

\$150 MD/DO \$125 NP/PA/APP or RN/AH \$150 Researcher
\$50 Students/Residents/Fellows

Location: HSC Conference Center on the USC Health Sciences Campus: 2200 Trojan Way, Los Angeles, CA

NAME _____ DEGREE _____

MEDICAL LICENSE NUMBER _____

TELEPHONE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

SPECIALTY _____

EMAIL ADDRESS* _____

INSTITUTIONAL AFFILIATION _____

*Registration confirmation and event reminder will be emailed.

METHOD OF PAYMENT:

No cash payment accepted.

- Check (Check payable to USC. Check payment must be postmarked by December 3, 2024)
 Credit Card (Mastercard or Visa. American Express by Phone/Mail/Fax only)

CREDIT CARD NUMBER _____

EXPIRATION DATE _____ SECURITY CODE _____

AUTHORIZED SIGNER _____ AMOUNT \$ _____



CALL FOR POSTER SUBMISSION

Deadline: Poster presenters must be registered to attend the conference in person. Posters uploaded by November 18, 2024. Use this QR Code for poster session sign up.



Poster Formatting Requirements: In the author list, please underline the name of the poster presenter. If you wish to be included in the poster competition, indicate the presenter's position/title; undergraduate student, graduate student, postdoctoral scientist, or laboratory head, as the four categories of presenters will be judged separately. The postdoctoral scientist category includes postdoctoral fellows and academic or industrial research scientists (those who are not laboratory heads). Laboratory heads include academic faculty members and industry scientists.

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- Poster should have a clear message, a logical layout and easy to comprehend for a non-expert. Ensure each section (e.g., abstract, background, methods, results, conclusions and references) are easy to locate and the figures are well-described.
- Use text fonts that are easy to read on a computer screen or smartphone. Upload in PDF format.

Poster Review: Posters will be reviewed and evaluated by representatives of The USC Brain Tumor Center.

- Posters judged in four separate categories; undergraduate students, graduate students, postdoctoral scientists (including postdoctoral fellows and academic or industrial research scientists who are not laboratory heads) and Laboratory heads (academic faculty members and industry scientists).
- Posters judged based on scientific impact, clarity of presentation, and contribution of the author to the overall project

Poster Awards:

Up to three posters are selected in each category and recognized with a monetary award (1st place- \$200; 2nd place-\$100; 3rd place \$50). Selections announced December 6, 2024.

COURSES ARE SUBJECT TO CANCELLATION.

Keck School of Medicine of USC

Office of Continuing Medical Education

1540 Alcazar Street, CHP 223

Los Angeles, CA 90033



2nd Annual Southern California

Brain Tumor Conference

December 6, 2024

Hybrid Conference

HSC Conference Center

on the USC Health Sciences Campus

2200 Trojan Way, Los Angeles, CA 90033

Non-Profit
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