



'23

1ST ANNUAL SOUTHERN CALIFORNIA
BRAIN TUMOR
CONFERENCE

Friday, December 8, 2023 • 8:00 am - 5:30 pm
HSC Conference Center, USC Health Sciences Campus



PROGRAM AGENDA

8:00 am **Registration and Continental Breakfast**

9:00 am **Welcome and Introduction**
Josh Neman, PhD

Session I: Surgical Neuro-Oncology

Moderator: Gabriel Zada, MD, MS

9:10 am **Advances in Surgical Resection of Brain Tumors**
Gabriel Zada, MD, MS

9:25 am **Genomics and Epigenomics in Gliomas**
Frank Attenello, MD, MS

9:40 am **CAR T Cell Therapy (Clinical Research)**
Behnam Badie, MD

9:55 am **3D Modeling**
Garni Barkhoudarian, MD

10:10 am **Panel Discussion**

10:30 am **Break**

Session II: Translational Research

Moderator: Josh Neman, PhD

10:40 am **GBM Heterogeneity - A Curse or a Blessing in Disguise**
David Tran, MD, MS

10:55 am **Immune Microenvironment in Breast Cancer Brain Metastasis**
Devon Lawson, PhD

11:15 am **Identifying and Validating Targeted Therapeutics Using Meta Atlases of Brain Tumor Single-Cell RNA Sequencing in Combination With Somatic Transgenic Brain Tumor Models**
Joshua Breunig, PhD

11:30 am **Drug Discovery and Development for Malignant Glioma**
David Nathanson, PhD

11:45 am **Panel Discussion**

12:00 pm **Lunch**

Session III: Clinical Trials

Moderator: David Tran, MD, PhD

1:00 pm **Landscape of Clinical Trials in Neuro-Oncology**
Frances Chow, MD

1:15 pm **CSF Liquid Biopsy in Pediatric CNS Tumors**
Katrina O'Halloran, MD, MS

1:30 pm **Experimental Therapy Options for Patient with Glioma**
Leia Nghiemphu, MD

1:45 pm **The Hayden M. Gidan Compassionate Care Fund Presentation**
Patient Caregivers

Jinsy Rogers, LCSW, OSW-C

2:00 pm **Panel Discussion**

2:15 pm **Break**

Session IV: Brain Tumor Imaging/Radiation

Moderator: Eric L. Chang, MD, FASTRO, FARS

2:25 pm **Radiation and Immunotherapy for Glioblastoma**
Lindsay Hwang, MD

2:40 pm **Stereotactic: Radiosurgery for Multiple Brain Metastases: How Many is Too Many**
Tania Kaprealian, MD, MBA

2:55 pm **Glioma Reirradiation**
Savita Dandapani, MD, PhD

3:10 pm **Adaptive Responses to Genome-Wide DNA Damage in Glioblastoma Result in Topologic Genome Reorganization**
Aram Modrek, MD, PhD

3:25 pm **Panel Discussion**

3:40 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

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
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Gabriel Zada, MD, MS, FAANS, FACS

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PLANNING COMMITTEE

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GUEST FACULTY

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Director, Facial Pain Center
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Director, SJC/PNI Neuroanatomy Laboratory
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Director of Neuro-Oncology Fellowship Program
Clinical Director, UCLA Neurofibromatosis Program
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Attending Physician
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Los Angeles, CA

KECK SCHOOL OF MEDICINE OF USC

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

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Professor and Chair
Department of Radiation Oncology

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Neuro-Oncology Disease Affinity Group Leader,
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Department of Radiation Oncology

Aram Modrek, MD, PhD

Assistant Professor of Radiation Oncology
Department of Radiation Oncology

Jinsy Rogers, LCSW, OSW-C

Department of Neurological Surgery

David Tran, MD, MS

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

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. Following the program is 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.
- Examine the importance of clinical trials for both newly diagnosed brain tumors and brain tumor recurrence.
- 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 *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 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.

CANCELLATION POLICY

Cancellations must be received by the USC Office of CME (fax or email) by December 4, 2023, 12:00 pm, PST for a refund. A \$50 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.

CALL FOR POSTER SUBMISSION

Deadline: Poster presenters must be registered to attend the conference in person. Posters uploaded by November 10, 2023.

Registration: To register, go to <https://forms.gle/1CswwqMDZ5XGMzDS6>

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.
- 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 at lunchtime on Friday, December 9, 2023.

REGISTER

Tuition:

Early-bird: Before December 4, 2023 at 12:00 pm PST.

For registration after December 4: register on-site.

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

On-Site Registration: December 8, 2023 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 90033

Register:

Mail: 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033
Mail-in registration must be postmarked by December 4, 2023.

Online: <https://keckusc.cloud-cme.com/braintumor2023>
Phone: (323) 442-2555 | **Fax:** 1 (888) 665-8650
Email: uscme@usc.edu

On-site:

Available December 8, 8:00 am, HSC Conference Center.

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 4, 2023)
 Credit Card (Mastercard or Visa. American Express by Phone/Mail/Fax only)

CREDIT CARD NUMBER _____

EXPIRATION DATE _____ SECURITY CODE _____

AUTHORIZED SIGNER _____ AMOUNT \$ _____

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



**1st Annual Southern California
Brain Tumor Conference
December 8, 2023**

Live Conference

HSC Conference Center
on the USC Health Sciences Campus
2200 Trojan Way, Los Angeles, CA 90033

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