

# 2023 TUMOR SECTION

S Y M P O S I U M

**BRAIN AND SPINE RECURRENT TUMORS:  
THE NEUROSURGEON'S ROLE**

## PRELIMINARY PROGRAM

**SEPTEMBER 8-9, 2023  
WASHINGTON, D.C.**



**SAVE WHEN YOU REGISTER BY  
AUGUST 9! MEDICAL STUDENTS  
REGISTER NOW AND ENJOY  
FREE REGISTRATION.  
CNS.ORG/TUMOR**



**Register for both  
the 2023 CNS  
Annual Meeting  
and Tumor Section  
Symposium and  
receive a \$100  
discount on each  
meeting for a total  
savings of \$200!**



# WELCOME

## DEAR COLLEAGUES,

We are excited to invite you to Washington, D.C., September 8-9, for the 16th Biennial Tumor Section Symposium, which immediately precedes the 2023 CNS Annual Meeting. Our theme this year is *Brain and Spine Recurrent Tumors: The Neurosurgeon's Role*.

This two-day event will offer four engaging scientific sessions led by global experts in the field, four original science sessions, and a Friday night Gala Reception, Dinner, and Awards. Recognizing the increasing role of Advanced Practice Providers (APPs) in the care of neurosurgical oncology patients, we inaugurate a special session each day focused on APPs. We hope to welcome your APPs during these sessions and have them partake in the entire meeting with us.

Join us as we explore novel treatments and controversies on recurrent low-grade gliomas, glioblastoma, meningiomas, and brain and spine metastatic disease. We look forward to your participation during the case discussion panels. The meeting also explores immune- and viral-based therapies for CNS recurrent tumors, and how molecular profiling and non-invasive biomarkers detection can be leveraged to improve patient care at the time of tumor recurrence.

We are also thrilled to present our world-renowned 2023 Keynote Speakers: David Louis and Evanthia Galanis who will review the implications of the new WHO classification at the time of recurrence and trial opportunities leading to breakthrough novel treatments for our patients.

The Friday evening Gala takes place at the luxurious Renaissance Washington, D.C. Downtown Hotel. It is the perfect setting to mingle with colleagues, patients, advocate group representatives, and friends. The Tumor Section's Career Awards for distinguished service (The Mark Rosenblum Distinguished Service Award), career accomplishments (The Charles B. Wilson Award), and mentoring (The Andrew T. Parsa Mentorship Award) will be presented, along with certificates for best oral and poster presentations from each of the four open abstract sessions during the two days.

The symposium takes place at the Walter E. Washington Convention Center in the heart of downtown Washington, D.C. Take time to explore the Washington auto show, D.C. History Center, National Portrait Gallery, City Brew Tours, the National Museum of Women in the Arts, and so much more.

We encourage you to stay for the 2023 CNS Annual Meeting, September 9-13, which provides more opportunities for learning and networking with colleagues. When you register for both the Tumor Section Symposium and CNS Annual Meeting together, you will receive an automatic \$100 discount on each meeting for a total savings of \$200.

*We can't wait to see you in Washington, D.C.!*

Sincerely,



*Chair, Joint Section on Tumors*  
**Isabelle M. Germano, MD, MBA**  
Icahn School of Medicine at Mount Sinai  
New York, NY



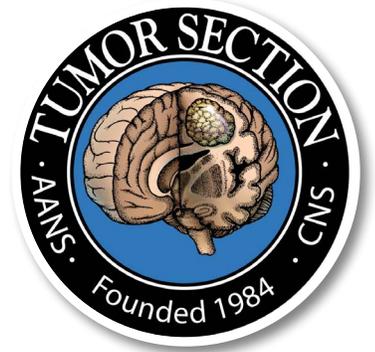
*Scientific Meeting Chair*  
**Gelareh Zadeh, MD**  
University of Toronto  
Toronto, Canada



*Scientific Meeting Co-chair*  
**Chetan Bettgowda, MD, PhD**  
John Hopkins University  
Baltimore, MD



*Scientific Meeting Co-chair*  
**Pablo Recinos, MD**  
Cleveland Clinic  
Cleveland, OH



ALL PROGRAMMING WILL BE HELD AT THE WALTER E. WASHINGTON CONVENTION CENTER

## Friday, September 8 • 8:00 am-5:30 pm

**8:00-9:00 am**

### Neurosurgical Oncology Advanced Practice Providers Course Day 1 Perspectives on the Roles and Dynamics of APPs in Neurosurgical Oncology

**Introduction: The APP Role in Neurosurgical Oncology**  
Isabelle M. Germano

**The APP's Perspective**  
Natalie J. Hall

**The Neurosurgeon's Perspective**  
Walavan Sivakumar

**The Trainee's Perspective**  
Heather C. Grimaudo

**Question and Answer**

**9:00-9:05 am**

### Introduction to the Tumor Section Symposium

Isabelle M. Germano

**9:06-9:12 am**

### Introduction to the Scientific Program Day 1

Gelareh Zadeh

**9:13-10:20 am**

### General Session I: Prediction of Recurrence and Treatment Response in Gliomas

**Moderators:** Ian Parney, Analiz Rodriguez

**Targeted Therapeutics at Glioma Recurrence**  
Dan Cahill

**Intraoperative Innovations Guiding Cavitary Therapeutics**  
Michael Vogelbaum

**Predictors of Response to Immunotherapy**  
Michael Lim

**Biomarker Determinants of Treatment Failure**  
Chetan Bettegowda

**11:05 am-1:35 pm**

### Abstract Session I: Recurrent Gliomas/Translational Research

**Moderators:** Ian Parney, Analiz Rodriguez  
Top abstracts on this topic to be presented

**11:30 am-12:00 pm**

### Keynote Speaker: The Updated WHO Classification and its Implications at the Time of Tumor Recurrence

David Louis, Harvard School of Medicine



**1:35-2:45 pm**

### General Session II: Prediction and Treatment of Recurrent Meningiomas

**Moderators:** Jennifer Moliterno-Gunel, Gabe Zada

**Predicting Disease Behavior and Recurrence**  
Farshad Nassiri

**Predicting Response to Radiation**  
Albert Kim

**Molecular Clinical Trials for Recurrent Meningiomas**  
Fred Barker

**Surgical Considerations for Recurrent Meningiomas**  
Pablo Recinos

**Complication Avoidance**  
Daniel M. Prevedello

**3:30-3:55 pm**

### Abstract Session II: Meningiomas/ Clinical Research

**Moderators:** Daniel M. Prevedello, Brad Zacharia

Top abstracts on this topic to be presented

**3:55-4:45 pm**

### Case Discussion I: Recurrent Gliomas

**Moderators:** Desmond Brown, Maryam Rahman

**Introduction to Case Discussion**  
Maryam Rahman

**Molecular Profile of Recurrent Glioma**  
Gavin Dunn

**Immunoviotherapy of Recurrent Glioma**  
Manish Aghi

**Utility of Biomarker Driven Decision Making**  
Brian V. Nahed

**4:45-5:30 pm**

### Case Discussion II: Recurrent Meningiomas

**Moderators:** Wenya Linda Bi, Gabe Zada

**Introduction to Case Discussion**  
Wenya Linda Bi

**Utility of Methylation Predictor in Radiation**  
Justin Wang

**Molecular Profiling at Recurrence**  
Akash Patel

**Use of Radiosurgery**  
Varun Kshetry



**38TH ANNIVERSARY GALA**

**Friday, September 8, 6:15-9:30 pm**

Reception, Dinner, and Awards  
Renaissance Washington, D.C. Downtown Hotel

**Purchase your ticket during registration!**

**BE SURE TO CHECK OUT THE EXHIBITS DURING THESE BREAKS!**

• **10:20-11:05 am**

• **2:45-3:30 pm**

**What's New Session**

Presented by Elekta Inc., Neosoma Inc.

# SCIENTIFIC PROGRAM

ALL PROGRAMMING WILL BE HELD AT THE WALTER E. WASHINGTON CONVENTION CENTER

## Saturday, September 9 • 7:00 am-6:00 pm

7:00-8:00 am

### Neurosurgical Oncology: Advanced Practice Providers Course Day 2 Managing Expectations in Neurosurgical Oncology The APPs Role

#### Introduction: Managing Care Expectations

Isabelle M. Germano

#### Managing Expectations Pre-operatively

Leslie Schlachter

#### Managing Post-operative Expectations

Kenisha Blake

#### Managing the in-patient to out-patient gap

Amalia Eisenberg

#### Question and Answer

8:00-8:02 am

### Introduction to the Scientific Program Day 2

8:03-8:35am

### Abstract Session III: Brain Mets: Intersection of Science and Surgery at Recurrence

Moderators: John Lee, Gordon Li

Top abstracts on this topic to be presented

8:35-9:40 am

### General Session III: Brain Mets: Intersection of Science and Surgery at Recurrence

Moderators: Tiffany Hodges, Pascal O. Zinn

#### Endpoints of Clinical Trials

Nader Sanai

#### Immunotherapy Profile

Howard Colman

#### FUS and Brain Metastasis

Alexandra Golby

#### AI: Recurrence or Pseudo-progression

Joerg Christian Tonn

9:40-10:15 am

### Keynote Speaker: Clinical Trials Options Consideration at the Time of Tumor Recurrence

Eva Galanis, Mayo Clinic



11:00-11:45 am

### Case Discussion III: Brain Mets: Intersection of Science and Surgery at Recurrence

Moderators: Wajd Al-Holo, Isaac Yang

Panelists: Frank Attenello, Kaisorn Chaichana, Peter Fecci, Isaac Yang

11:45 am-1:20 pm

### Abstract Session III: Recurrent Brain Mets/Clinical Research

Moderators: Rohan Ramakrishna, Jeff Weinberg

Top abstracts on this topic to be presented

1:20-2:25 pm

### General Session IV: Recurrent Spine Mets

Moderators: Ziya Gokasla, Randy Jensen

#### Surgical Indications: The Frail Patient

John Shin

#### The Role of Intra-operative Radiation

Nick Szerlip

#### The Role of LITT

Claudio Tatsui

#### Complication Avoidance at Re-operation

Nam Tran

2:35-3:15 pm

### Abstract Session IV: Spine Mets/ Translational Research

Moderators: Michael Galgano, Ilya Laufer

Top abstracts on this topic to be presented

4:00-4:45 pm

### Case Discussion IV: Spine Mets

Moderators: Ben Elder, Claudio Tatsui

#### Recurrence in the Frail Patients

Camilo Molina

#### Recurrence After SRS/SBRT

Rory Goodwin

#### Recurrence at Multiple Sites

Larry Rhines

#### Discussion

5:00-6:00 pm

### Breakout Sessions for Residents, Fellows, Medical Students, and Young Attendings

#### Breakout Session I: Navigating the FDA for IND/IDE

Moderator: Gautam Mehta

Panelist 1: Andrew Sloan

Panelist 2: Chris Cifarelli

Panelist 3: Isabelle M. Germano

#### Question and Answer

#### Breakout Session II: How to Establish a Translational Research Effort as an Early Career Neurosurgeon

Moderators: Maryam Rahman, Gelerah Zadeh

Panelist 1: James Markert

Panelist 2: Dan Orringer

Panelist 3: Mahua Dey

#### Question and Answer

#### Breakout Session III: Collaboration Across Colleges/Institutions

Moderator: Susan Pannullo

Panelist 1: Steven N. Kalkanis

Panelist 2: Alexandra Golby

Panelist 3: Brian Williams

#### Question and Answer

BE SURE TO CHECK OUT THE EXHIBITS DURING THESE BREAKS!



- 10:15-11:00 am
- 3:15-4:00 pm

## Accreditation

### LEARNING OBJECTIVES

Upon completion of this symposium, participants will be able to:

- Discuss advancements in technology and brain tumor science and relevance to treatment approaches and outcomes.
- Develop innovative treatment strategies for patients with brain and spine tumors at diagnosis and recurrence.
- Discuss advances in the evaluation and management of pituitary disease.
- Recognize opportunities to develop as clinician-scientists.

### 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 the Congress of Neurological Surgeons and the AANS/CNS Section on Tumors. The CNS is accredited by ACCME to provide continuing medical education for physicians.

### AMA CREDIT DESIGNATION STATEMENT

The CNS designates this live activity for maximum of 15.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

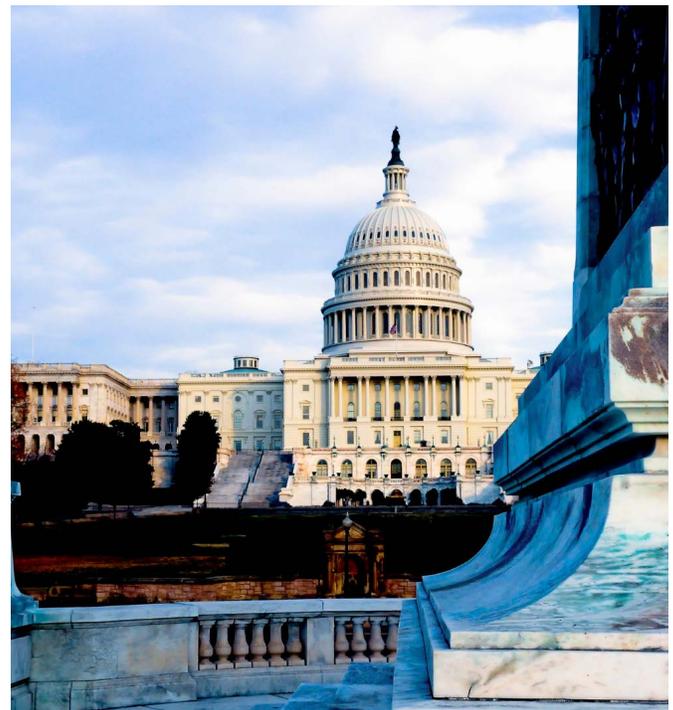
### CME CREDIT AND CERTIFICATE OF ATTENDANCE

CME credits can be claimed through the online system at [www.cns.org/tumor](http://www.cns.org/tumor). The CNS CME tracking system allows you to claim CME credit or Certificate of Attendance hours for the meeting. All attendees should only claim credit or hours of attendance commensurate with the extent of their participation in the activity.

### CNS DISCLOSURE POLICY

The Congress of Neurological Surgeons controls the content and production of this CME activity and attempts to assure the presentation of balanced, objective information. In accordance with the Standards for Integrity and Independence in Accredited Continuing Education established by the Accreditation Council for Continuing Medical Education (ACCME), speakers are asked to disclose all relationships they have with ineligible companies\* over the previous 24 months which may be related to the content of their lecture. The CNS reviews and mitigates all financial relationships before planners and faculty assume their role in the activity. A list of all relevant financial relationships listed for these participants will be posted and available to view prior to the meeting.

**\*Ineligible companies** are those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. An ineligible company is not eligible for ACCME accreditation or participation in Joint Providership.



# GENERAL INFORMATION

## WHO SHOULD ATTEND

Tumor neurological surgeons, residents, fellows, medical students, nurse clinicians, and physician assistants are welcome and encouraged to attend the Tumor Section Symposium. Educational sessions are directed toward these audiences and directly apply to their practices.

## AIRPORT/GROUND TRANSPORTATION

The Tumor Section Symposium will take place at the Walter E. Washington Convention Center, which is located about 5 miles from Ronald Regan Washington National Airport (DCA), 30 miles from Dulles International Airport (IAD), and 40 miles from Baltimore/Washington International Thurgood Marshall Airport (BWI). Taxis are readily available outside Baggage Claim/Arrivals Level.

## AMERICANS WITH DISABILITIES ACT

The Tumor Section ensures that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently than other individuals because of the absence of auxiliary aids or services. If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act in order to attend any program, please send your requirements directly to the CNS Meetings Department at [meetings@cns.org](mailto:meetings@cns.org), or by calling 847-240-2500.

## WASHINGTON D.C. ATTRACTIONS

For information, please visit [washington.org](http://washington.org). The city offers a variety of fun activities and outstanding dining opportunities for the business traveler as well as families.

## DISCLAIMER

The material presented at the 2023 Tumor Section Symposium has been made available by the Tumor Section for educational purposes only. The material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement, or opinion of the faculty which may be helpful to others who face similar situations.

Neither the content (whether written or oral) of any course, seminar, or other presentation in the program, nor the use of a specific product in conjunction therewith, nor the exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the Tumor Section or by its Committees or Affiliates. The Tumor Section disclaims any and all liability for injury or other damages resulting to any individual attending the meeting, and for all claims which may arise out of the use of the techniques demonstrated therein by such individuals whether these claims shall be asserted by physicians or any other person. No reproductions of any kind, including audiotape and videotape, may be made of the presentations at the Tumor Section Symposium. The Tumor Section reserves all of its rights to such material, and commercial reproduction is specifically prohibited.

## INDUSTRY INFORMATION

### EXHIBIT HALL HOURS (NON CME)

Friday, September 8: 9:00 am-3:45 pm

Saturday, September 9: 8:00 am-4:00 pm

Admittance to the Exhibit Hall is by Tumor Section name badge only. Children under the age of 18 are not allowed in the Exhibit Hall.

### EXHIBITORS

#### PARTNERS

- Brainlab
- icotec Medical Inc.

#### BENEFACTORS

- GammaTile
- Varian, a Siemens Healthineers Company

#### SPONSORS

- Chimerix
- Elekta Inc.
- Neosoma Inc.

- BK Medical
- ClearPoint Neuro
- Designs for Vision, Inc.
- Medtronic
- Monteris Medical
- Nexstim
- Novocure Inc.
- Stryker
- ZAP Surgical

### BREAKS WITH EXHIBITORS (NON CME)

#### FRIDAY

- 10:20-11:05 am
- 2:45-3:30 pm

What's New Session  
Presented by Elekta Inc.,  
Neosoma Inc.

#### SATURDAY

- 10:15-11:00 am
- 3:15-4:00 pm

### INDUSTRY SPONSORED LUNCH SESSIONS

#### FRIDAY

- 12:00-1:10 pm
- Sponsored by:  
GammaTile

#### SATURDAY

- 12:00-1:09 pm
- Sponsored by: Brainlab,  
icotec Medical Inc.

# TRAVEL, REGISTRATION, AND HOUSING INFORMATION

## ONLINE REGISTRATION

Go to [cns.org/tumor](https://cns.org/tumor) to register online. Visa, MasterCard, or American Express are accepted for payment. Online advance registration is the most immediate and secure method of registration.

## MEETING VENUE

The meeting will be held at the Walter E. Washington Convention Center, 801 Mt Vernon Pl NW, Washington, D.C. 20001.

## SECURE HOUSING

Hotel reservations for the 2023 Tumor Section Symposium can be reserved in conjunction with the 2023 CNS Annual Meeting. The CNS headquarter hotel is the Marriott Marquis Washington, D.C., and additional hotels and discounted room rates are available upon registration.

Visit [cns.org/tumor](https://cns.org/tumor) to review housing availability and book your hotel through MCI, the CNS official housing bureau.

## HOTEL CHANGE/CANCELLATION POLICY

The deadline date for new reservations is August 14, 2023, based on availability. Please make any changes or cancellations through the CNS official housing bureau, MCI, through August 14, **except for the Grand Hyatt Hotel**. You may continue to make changes or cancellations for the Grand Hyatt Hotel through the CNS official housing bureau, MCI, until August 30.

### Beginning August 15, 2023

- All changes, cancellations, or questions regarding your reservation must be made directly with the hotel starting August 15th, 2023, **except for the Grand Hyatt Hotel**. You may continue to make changes or cancellations for the Grand Hyatt Hotel through the CNS official housing bureau, MCI, until August 30th.
- The deposit will be forfeited if a cancellation notice is not received according to the hotel policy. Your individual hotel's cancellation policy can be found in your emailed confirmation.

## DEPOSIT

A deposit of one night's room and tax is due at the time your hotel reservation is made. This payment must be submitted with your registration fee and will be charged to the credit card provided.

Please make checks payable to:

**CNS Registration and Housing Center**  
6100 W. Plano Parkway, Suite 3500, Plano, TX 75093.

All rooms are subject to applicable state and local taxes. A small portion of your room rate will be used to help defray the cost of registration and housing services. Hotel reservations requested without a deposit will not be processed.

## REGISTRATION RATES

Registration Type	Through August 9	After August 9
Member	\$375	\$475
Non-Member	\$575	\$675
Resident/Fellow	\$100	\$200
Nurse/NP/PA	\$150	\$250
Medical Student	\$0	\$10

### Optional Event:

Anniversary Dinner Gala	\$200	\$300
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Save \$200 total on your registration if you register for the CNS Annual Meeting on September 9–13 and the Tumor Section Symposium on September 8–9. That's a \$100 discount on registration for each meeting. Residents and Fellows receive a \$50 discount on registration for each meeting. Offer expires August 9.

Admission to scientific sessions, exhibit hall, poster viewing and meal events provided by the Tumor Section is included with your registration. Admission to the Anniversary Gala is an additional fee.

## AIRLINE DISCOUNTS

The Tumor Section is pleased to offer discounts with the following airlines. Discounts are available for flight dates as noted below by airline to and from Washington, D.C. area airports.

### United Airlines – [www.united.com](https://www.united.com)

Valid dates: September 3–18, 2023  
Enter code **ZN6W**

### Delta Airlines – [www.delta.com](https://www.delta.com)

Valid dates: September 1–20, 2023  
Enter code **NM2GW**

## CANCELLATIONS/REFUNDS

Requests for registration cancellation must be made in writing to:

### Tumor Section Symposium CNS Registration and Housing Center

6100 Plano Pkwy., Suite 3500, Plano, TX 75093

Email: [cns@mcievents.com](mailto:cns@mcievents.com)

Phone: 972-349-5539

Fax: 972-349-7715

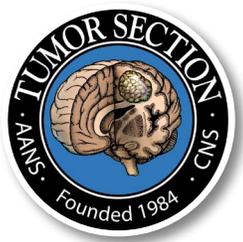
All qualifying refunds will be processed following the 2023 Tumor Section meeting. Please allow four to six weeks for processing.

Refunds will be made in accordance with the following schedule:

- Full registration refunds, less a \$100 processing fee, will be granted if written requests for cancellation are received by 5:00 pm CST on August 16, 2023.
- No refunds will be made for cancellations received after August 16, 2023, or for no-shows.

# 2023 TUMOR SECTION SYMPOSIUM

10 N. MARTINGALE ROAD, SUITE 190,  
SCHAUMBURG, IL 60173-2294



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**BRAIN AND SPINE RECURRENT TUMORS:  
THE NEUROSURGEON'S ROLE**

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Special Program for  
Advanced Practice  
Providers (APPs)

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WASHINGTON, D.C.

