

2018 tumor section satellite symposium

HOUSTON, TEXAS • OCTOBER 5-6, 2018

Cns tumors: Innovative Technology That Advances Patient Care



Advance registration deádline is september 6, 2018





#### dear colleague,

We are excited to invite you to Houston, Texas, October 5-6, for the 14th Biennial Tumor Section Satellite Symposium, which immediately precedes the 2018 CNS Annual Meeting. Our meeting theme this year is CNS Tumors: Innovative Technology that Advances Patient Care.

Join us at this two-day event for engaging scientific sessions that explore technological advances in CNS tumor care and how these innovations are impacting the care of tumor patients in the operating room and beyond. Stay on top of immune-based therapies for CNS tumors, and discover how big data and artificial intelligence can be leveraged to improve patient care.



Breakout Sessions for residents, fellows, and young attendings address topics such as starting a lab, clinical trials for beginners, and what to do after residency. Be sure to catch the best original science with four select oral abstract presentations and discussions. We're also pleased to offer industry-sponsored breakfast and lunch symposiums that will provide more opportunities for learning.

We are thrilled to welcome our 2018 Keynote Speaker, NASA Astronaut G. Reid Wiseman, who spent nearly six months on the International Space Station in 2014.

The 31st Anniversary Gala takes place on Friday evening at the luxurious Four Seasons Hotel Houston, and is the perfect setting to mingle with colleagues and friends. The Tumor Section's Career Awards will be presented for: distinguished service (The Mark Rosenblum Distinguished Service Award), career accomplishments (The Charles B. Wilson Award), and mentoring (The Andrew T. Parsa Mentorship Award), along with certificates for best oral and poster presentations from the open abstract sessions during the day.

On Saturday afternoon, the program will transition into the Sawaya Symposium honoring the career of Raymond Sawaya, MD, who chaired the neurosurgery department at MD Anderson since its establishment in 1990 through this year. The Biennial Tumor Section Satellite Symposium takes place at the Marriott Marquis Hotel in the heart of downtown Houston, Texas. Take time to explore Discovery Green Park, the city's largest green space, right outside the doors of the hotel. You'll also want to visit the nearby Museum District and get the best view in Houston from the IP Morgan Chase Tower Observation Deck.

We encourage you to stay for the 2018 CNS Annual Meeting, October 6–10, for more education and networking with colleagues. When you register for both meetings together, you will receive an automatic \$100 off your CNS Annual Meeting registration.

#### We can't wait to see you in Houston!

Sincerely,

**SECTION CHAIR** 



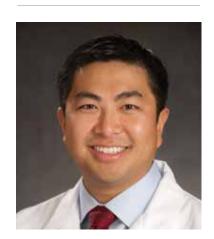
MANISH AGHI University of California, San Francisco San Francisco, CA

meeting chair



JEFFREY WEINBERG MD Anderson Cancer Center Houston, TX

meeting chair



ISAAC YANG University of California, Los Angeles Los Angeles, CA



# who should attend

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

#### symposium description:

This symposium will explore technological advances in cns tumor care and how these innovations are impacting the care of tumor patients in the operating room and beyond. It will identify immune-based therapies for cns tumors, and how big data and artificial intelligence can improve patient care.

#### meeting learning objectives:

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

- Discuss advancements in technology, brain tumor treatments, and relevance to outcome
- Develop innovative treatment strategies for patients with brain tumors at diagnosis and recurrence
- Discuss emerging surgical, medical, radiation, and immunotherapy treatments to achieve the best outcome
- Recognize new opportunities for computation, artificial intelligence, and big data to impact brain tumor patient care

#### ACCLEDITATION statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council of Continuing Medical Education (ACCME) through the joint providership of the Congress of Neurological Surgeons and the Tumor Section. The CNS is accredited by the ACCME to provide continuing medical education for physicians.

#### ama credit designation statement:

The CNS designates this live activity for a maximum of 13.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### mid-level practitioners:

Attendees will receive a certificate of attendance. Please contact your individual membership association and certification board to determine the requirements for accepting credits.

# program schedule

#### FRIDAY, OCTOBER 5, 2018

9:00-9:05 am **Introduction to Tumor Section Satellite Symposium** 

Manish K. Aghi

9:05-9:15 am

Opening Remarks
Jeffrey S. Weinberg, Isaac Yang

#### **General Session I:** OR Technology Advances

9:15 am-12:00 pm

Moderators: Daniel A. Orringer,

Akash J. Patel

Speakers: Gene H. Barnett, Shabbar F. Danish, David T. Fuentes, John Y.K. Lee

9:15-9:30 am

**LITT for Brain Tumors** 

Gene H. Barnett

9:30-9:45 am

**Mathematical Model Based** 

**Predictions for LITT** 

David T. Fuentes

9:45-10:00 am

MRI Guided LITT for the Treatment of Infield recurrence after Radiosurgery— Does the Biopsy Matter?

Shabbar F. Danish

10:00-10:15 am

Near Infrared Fluorescent, Targeted & Non-targeted Dyes During Brain

**Tumor Surgery** John Y.K. Lee

10:15-11:00 am **Break with Exhibitors** 

#### **KEYNOTE SPEAKER**



11:00-11:30 am G. Reid Wiseman NASA Astronaut

G. Reid Wiseman served as Flight Engineer aboard the International Space Station for Expedition 41. During the 165-day mission,

Wiseman and his crewmates spent hundreds of hours conducting valuable scientific research in areas such as human physiology, medicine, physical science, Earth science, and astrophysics. Wiseman also fostered a strong social media presence throughout his mission by sharing photos, personal tweets and short videos about life aboard the station.

11:30-12:00 pm **Abstract Session I: Selected Oral Abstract Presentations** and Discussion

Moderators: Jeffrey S. Weinberg,

Isaac Yang

12:10-1:10 pm Lunch With Exhibitors

12:10-1:10 pm Sponsored Lunch Symposium

#### General Session II: **Immunotherapy**

1:15-2:15 pm

Moderators: Nduka M. Amankulor,

Maryam Rahman

**Speakers:** Amy B. Heimberger, Michael Lim, Hideho Okada, Ian F. Parney

1:15-1:30 pm

**GBM: The Prototypical** 

Immunological Cold Tumor Steps to **Enhance Immune Surveillance** 

Amy B. Heimberger

1:30-1:45 pm

**Identifying the Appropriate** Effector Immune Cells for GBM

**Immunotherapy** Michael Lim

1:45-2:00 pm

Potential Power of T Cells for Brain

Tumor Immunotherapy

Hideho Okada

2:00-2:15 pm

How do we Know if it Worked? **Endpoints in GBM Immunotherapy** 

lan F. Parney

2:15-3:00 pm

**Break with Exhibitors** 

3:00-5:00 pm

**Abstract Session II:** 

**Selected Oral Abstract Presentations** 

and Discussion

Moderators: Michael Lim, Chirag G. Patil,

Jonathan H. Sherman

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

#### **Breakout Session 1:**

5:00-6:00 pm

Starting a Lab

Speakers: Peter Fecci, Amy B. Heimberger, Viviane S. Tabar

5:00-5:15 pm

Initial Funding: Startup Package,

K Versus R Philanthropy,

**Foundations** 

Peter Fecci

5:15-5:30 pm

Finding the Right Personnel

Viviane S. Tabar

5:30-5:45 pm

**Grant Writing for Neurosurgeons** 

Amy B. Heimberger

5:45-6:00 pm

Questions and Discussion

#### **Breakout Session 2:**

5:00-6:00 pm

Clinical Trials for Beginners Speakers: Frederick F. Lang, Andrew E. Sloan, Michael A. Vogelbaum

5:00-5:15 pm

Building a Trial out of Things you do Every Day (Lumbar Drain,

AEDs, etc.

Frederick F. Lang

5:15-5:30 pm

The Basic Terminology: Alphabet Soup—INDs, DSMBs, AEDs

Andrew E. Sloan

5:30-5:45 pm

Working with Industry Michael A. Vogelbaum

5:45-6:00 pm

**Questions and Discussion** 

#### **Breakout Session 3:**

5:00 pm-6:00 pm

From Residency to Job

Discussants: Isaac Yang,

Michael E. Ivan

Speakers: William T. Curry, Jennifer A.

Moliterno Gunel, Isaac Yang

5:00-5:20 pm

Fellowship or No Fellowship?

5:00-5:10 pm

Jennifer A. Moliterno Gunel

5:10-5:20 pm

Con

Isaac Yang

5:20-5:40 pm

Finding a Job: Skull Base/

Glioma—Can One do Both in the Modern Era?

Discussants: Isaac Yang,

Michael E. Ivan

5:40-5:50 pm

**Building a Practice** 

William T. Curry

5:50-6:00 pm

**Questions and Discussion** 

31st Anniversary Gala 7:00–10:00 pm Reception & Dinner

# program schedule

#### SATURDAY, OCTOBER 6, 2018

7:00-8:00 am **Sponsored Breakfast Symposium** 

8:00-9:00 am Abstract Session III: Selected Oral **Abstract Presentations and Discussion** Moderators: William T. Curry, Isabelle M. Germano, Won Kim

#### **General Session III:** Data Technology

9:00-10:00 am

Moderators: Daniel P. Cahill, Ali Jalali **Speakers:** P. Andrew Futreal, Bilwaj K. Gaonkar, Funda Meric-Bernstam, Jun S. Song

9:00-9:15 am **Decision Support for Precision** Oncology Funda Meric-Bernstam

9:15-9:30 am **Functional Genomic Characterization** of Germline Risk Variants in Low-**Grade Glioma** Jun S. Song

9:30-9:45 am **Automating the Image Based** Assessment and Analysis of **Tumors Using Pattern Recognition Techniques** Bilwaj K. Gaonkar

9:45-10:00 am Use of Genetic Technologies in **Oncology Decision Making** P. Andrew Futreal

10:00-10:45 am **Break with Exhibitors** 

10:45 am-12:15 pm **Abstract Session IV: Selected Oral Abstract Presentations and Discussion** Moderators: Michael E. Ivan, Gordon Li, Debraj Mukherjee

12:15-1:15 pm Lunch With Exhibitors

12:15–1:15 pm Sponsored Lunch Symposium

#### Sawaya Symposium

1:15-5:00 pm

**Speakers:** Mitchel S. Berger, Frederick G. Barker, E. Antonio Chiocca, Ziya L. Gokaslan, Frederick F. Lang, Jacques J. Morcos, James T. Rutka, Jason P. Sheehan, Jeffrey S. Weinberg, Isaac Yang

1:15-1:45 pm History of MDACC and Sawaya Legacy Frederick F. Lang

1:45-2:00 pm **Education in Neurosurgery/** Neurosurgical Oncology James T. Rutka

2:00-2:15 pm Research (Clinical and Basic Science) Mitchel S. Berger

2:15-2:30 pm Spine Oncology Ziya L. Gokaslan

2:30-2:45 pm **Metastatic Disease** E. Antonio Chiocca

2:45-3:00 pm **Need/Benefit of Neurosurgical Sub-specialization** Frederick G. Barker

3:00-3:15 pm **Database** Jason P. Sheehan

3:15-3:30 pm Skull Base Jacques J. Morcos

3:30-3:45 pm **Break** 

3:45-4:45 pm **Oral Abstract Presentations** 4:45-5:00 pm Sawaya Symposium Conclusion

**Closing Remarks** Jeffrey S. Weinberg, Isaac Yang

All speakers and topics are subject to change.



attend both the 2018 tumor section satellite symposium and the 2018 cns annual meeting and save \$100 off your cns annual meeting registration! please email meetings@cns.org for questions on this special offer!

# general information

#### airport/ground transportation

The Tumor Section Satellite Symposium takes place at the Marriott Marquis Hotel, which is located approximately 10 miles from the Hobby International Airport (HOU) and 21 miles from the George **Bush Intercontinental Airport** (IAH).

Taxis are readily available outside Baggage Claim/Arrivals Level, Terminals A, B, C, and E.

#### americans with disabilities act

The Tumor Section takes steps to ensure 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, or by calling 847.240.2500.

#### **Attice**

Professional attire is appropriate for the meeting and in the Exhibit Hall. Professional/Dressy attire is appropriate for the Friday, October 5 Anniversary Gala.

#### climate/time zone

Houston's climate is classified as humid subtropical. In October, expect average high 82 degrees Fahrenheit with the low average of 61 degrees Fahrenheit. It is recommended that you check the weather forecast two days before your flight for the latest weather and temperature information. Please use this information to pack appropriately.

houston is located in the central daylight time zone.

#### things to do and places to go!

For information go to visithoustontexas.com. The city offers a variety of fun activities and outstanding dining opportunities for the business traveler as well as families.

#### wifi service

For your convenience, complimentary Wi-Fi service is provided throughout the Marriott Marquis Hotel wherever Tumor Section events are being held.

#### disclaimer

The material presented at the 2018 Tumor Section Satellite 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 Meeting. The Tumor Section reserves all of its rights to such material, and commercial reproduction is specifically prohibited.

#### **Exhibit hall hours**

friday, october 5 9:00 am - 6:00 pm

saturday, october 6 8:00 am - 1:30 pm

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

#### smoking

The Marriott Marquis Hotel is a non-smoking facility.

#### SPEAKET TEADY room

All speakers and abstract presenters should visit the Speaker Ready Room at the Marriott Marquis Hotel prior to their presentations.

> friday, october 5 1:00 am - 6:30 pm

saturday, october 6 6:00 am - 6:00 pm

#### onsite registration hours

friday, october 5 8:00 am - 6:00 pm

saturday, october 6 6:30 am - 5:00 pm

# registration and housing information

#### online registration

Go to 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.

#### paper registration

Detach and complete the advance registration form on page 9 with credit card information and send by one of the following methods:

**FAX** (credit cards only): 972.349.7115 **EMAil:** cns@mcievents.com

mail with check or credit card information to:

#### **Tumor Section Satellite Symposium**

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

For wire transfers or questions regarding the 2018 Tumor Section Satellite Symposium call 847.240.2500.

A confirmation will be sent to you via email or fax (if no email address is supplied) or via mail (if no email or fax number is supplied).

#### CANCELLATIONS/ refunds

Requests for registration cancellation must be made in writing and sent to:

#### **Tumor Section Satellite Symposium**

CNS Registration and **Housing Center** 6100 Plano Pkwy **Suite 3500** Plano, TX 75093

**EMAil:** <u>cns@mcievents.com</u>

972.349.7715

All qualifying refunds will be processed following the 2018 Tumor Section meeting. Please allow four to six weeks for processing.

Refunds will be made in accordance with the following schedule:

- Cancellations received on or before 5:00 pm September 13, 2018, will receive a full refund less a \$100 processing fee.
- No refunds will be made for cancellations received after September 13 or for no-shows.

#### WAYS to SECURE housina

Hotel reservations for the 2018 Tumor Section Satellite Symposium are made in conjunction with the 2018 CNS Annual Meeting.

Please visit <u>cns.org/tumor</u> to review housing availability and book your hotel through MCI, the CNS official housing vendor.

#### 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 deposit will not be processed.

#### hotel change/ CANCELLATION POLICY

The deadline date for new reservations is September 25, based on availability. The hotel requires a deposit of one night's room and tax to reserve your room. Please make any changes or cancellations through the CNS housing bureau, MCI, through September 25. Beginning September 26 and up to 72 hours prior to your arrival, changes and cancellations must be made directly with your reserved hotel. Please refer to your housing confirmation for your individual hotel's cancellation policy.

#### beginning september 26, 2018

- All changes, cancellations, or questions regarding your reservation must be made directly with the hotel.
- If cancellation notice is not received according to the hotel policy, the deposit will be forfeited. Your individual hotel's cancellation policy can be found in your emailed confirmation.

attend both the 2018 tumor section satellite symposium and the 2018 cns annual meeting and SAVE \$100 off your cns annual meeting registration! please email meetings@cns.org for questions on this special offer!



CONGRESS OF NEUROLOGICAL SURGEONS

# 2018 ANNUAL MEETING

HOUSTON, TEXAS | OCTOBER 6-10, 2018

Advance Registration Deadline: September 6, 2018

#2018CNS

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# 2018 tumor section satellite symposium

## HOUSTON, TEXAS • OCTOBER 5-6, 2018

### registration form

you may also register online at www.cns.org/tumor

Name	Tumor Se	ection Member ID#	Daytime Phone Number (Include country code if applicable)		
Organization/Company			Alternate Phone		
Address			Preferred Email Address—confirmations are sent via email		
City State	Zip	Country			
Required NPI Number Please provide us with your NPI (National Provider Identifier) Number Please help us collect accurate attendee demographics by indicating which practice setting most applies to you.			Americans with Disabilities Act:  □ Please check here if you may require special accommodations or services in order to attend. You will be contacted by a Tumor Section representative.		
☐ Private Practice ☐ Acader☐ Mixed Academic/Private P☐ Military ☐ Retired ☐ Oth	ractice		Special Dietary Restrictions:  Vegetarian Kosher Other (please specify)		
registration fees		6, 2018			
Please circle the appropriat	e registration fee:		□ None		
	On or before 9/6	After 9/6			
Tumor Section Member	\$375	\$475			
Non-member	\$575	\$675	Exhibitor E-mail/Phone Opt-out:		
Residents/Fellows*	\$100	\$200	☐ Check here if you do not want your phone number		
Physician Assistants	\$250	\$350	encoded.		
Nurses Medical Students**	\$250 \$50	\$350 \$100	☐ Check here if you do not want your e-mail address encoded.		
*All Domestic Residents: Your Prog I certify that the individual named ab accredited by the ACGME and the R	ove is a Resident in a neurosurgica	al training program	friday, october 5		
Program Director (Print Name)			31st anniversary gala		
Program Director Signature	Date		One ticket is included in registration fee.		
**Medical students must provide c	opy of student ID		□ I will be attending the 31st Anniversary Gala.		
			☐ I would like to order additional tickets.		
			Quantity@ \$150.00 each		
			□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		

hotel room rates			Single/Double Room Rate Only	Room Rate with local/state tax and fees*		
☐ Marriott Marquis Housto (connected to GRB Con		tel	□ \$ 269	□ \$ 314.73		
☐ Embassy Suites by Hilton Houston Downtown			□ \$ 239	□ \$ 279.63		
☐ Four Seasons Hotel Hou	ıston	□ \$ 305	□ \$ 359.10**			
☐ Hampton Inn Houston Downtown			□ \$ 239	□ \$ 279.63		
☐ Hilton Americas – Houston (connected to GRB Convention Center)			□ \$ 269	□ \$ 314.73		
☐ Homewood Suites by Hilton Houston Downtown			□ \$ 239	□ \$ 279.63		
☐ Westin Houston Downto	own	□ \$ 219	□ \$ 256.23			
hotel reservation		Special Requests	□ Two (2) Beds			
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SEPTEMBER/OCTOBER 20	118					
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30 1 2 3 4 5	6	requests as this is	subject to availabi	lity upon arrival at the hotel.		
		•	tel choice is not ava	ailable, you will be contacted and		
ARRIVAL DATE	center represent			s box if you are interested in reserving a suite. (A CNS housing sative will contact you regarding suite availability and rates., a standard room will be assigned.)		
confirmation. Any cancellations for new reservations based on a	not made within the hote availability is September 25 e-mailing cns@mcievents.c	and some may charge an early's cancellation policy will resul , 2018. The hotel requires a de	in forfeiture of your o	ndividual hotel's policies will be listed in your e-maine night's room and tax deposit. The deadline date on and tax to reserve your room. Please continue to 2018. Beginning September 26, 2018, changes and HOTEL DEPOSIT		
payment		☐ Credit Card Autho	rization: Credit car	d will be charged immediately for		
Subtotal Registration	\$	registration fees. (US dollars drawn on a US bank)				
Subtotal Hotel Deposit	\$	□ Visa □ Ar	nerican Express	☐ MasterCard		
Subtotal Gala	\$					
TOTAL	\$	CREDIT CARD NUMBER		EXPIRATION DATE (MONTH/YEAR)		
☐ <b>Check:</b> Full payment mu	st accompany your	NAME OF CARDHOLDER (PRINT)				
registration form. Make cl on a US Bank) payable to:	heck (US Dollars drawn	BILLING ADDRESS (IF DIFFERENT THAN REGISTRANT)				
Registration and Housing Pkwy, Suite 3500, Plano, 7	Center, 6100 W. Plano	SIGNATURE  By signing this form: Lauthorize	the CNS Registration and F	Housing Center to charge my credit card for the total payment		

Any checks returned for insufficient funds are subject to additional charges.)

taken at the Tumor Section Satellite Symposium which include me in promotional materials for future meetings.

These fees are subject to audit and in case of error, the CNS Registration and Housing Center reserves the right to correct the error and charge the appropriate fees.

due, acknowledge that the CNS registration cancellation policies are in effect, and grant the CNS the right to use photos

Registration Cancellation Policy: Full registration refunds, less a \$100 processing fee, will be granted if written requests for cancellation are received by 5:00 pm CT on September 13, 2018. Course, seminar, and event tickets will be refunded in full until September 13, 2018. No refunds of any kind will be given after this date, regardless of cause. Refunds will not be given for no-shows. Any changes to existing badges after the published cut-off date of September 13, 2018, are assessed a \$50 processing fee. Written requests may be emailed to cns@mcievents.com, faxed to 972-349-7715, or mailed to the CNS Annual Meeting Registration and Housing Center, 6100 W. Plano Pkwy, Suite 3500, Plano, TX 75093.

please return to cns registration and housing center You may also register online at www.cns.org/Tumor.

**Fax:** 972-349-7715 (credit card only)

received from an overseas bank will be returned.



# Exhibitors at the 2016 Tumor Section Satellite Symposium

Arbor Pharmaceuticals BioD, LLC Brainlab Carl Zeiss DePuy Synthes Medtronic Monteris Medical Stryker Tocagen, Inc.

Join us this year for More!