Visit us at Booth 200
A Guide to using the SNO 2021 Mobile App

Make the Most of Your On-Site Experience!

- **Searchable Abstracts**
  - Attendees can find abstracts by searching for any word used in a abstracts title, abstract, keyword or presenter list.

- **Q&A Sessions**
  - Attend daily Q&A sessions and post your comments in the app. See other attendees questions and moderator answers.

- **Create & Share Schedules**
  - Attendees can schedule sessions and personal items, then sync with their own calendars!

- **Social Features**
  - Attendees can view and communicate with other app users, speakers, and exhibitors.

*Download before you go! On-Site WiFi service can affect the functionality of the app.

---

1. **Download the SNO Scientific Meetings App**

   Scan this QR Code or search for **SNO Scientific Meetings** in the Apple App Store or Google Play Store.

   **INSTALL** and **OPEN** the app then **SELECT** the event:

   **SNO 2021 Annual Meeting**

   **CLICK** the icon to launch your app.

2. **Login to your event App**

   To start using the **SNO 2021 Annual Meeting** event app, select “Login” to proceed to the Login Page.

   Enter your email address used during registration and the password provided to access the mobile app content.

3. **Use the app and engage with the event!**

   Locate the schedule, add sessions to your personal schedule and search for your favorite session. Learn about our speakers, network and message other attendees (be sure to agree to “share” your information when you log in).

   Our exhibitors have booths set up and ready for you to visit. Use the app’s interactive floor plan to find your favorite exhibitors.

   Look for instant notifications with the mobile app for important updates and messages.

You can also visit our event website:
www.eventscribe.net/2021/SNO
Welcome to the great City of Boston for the 26th Annual Meeting of the Society for Neuro-Oncology! The SNO Annual Meeting plays a vital role in bridging the gap between neuro-oncology research and clinical practice, and we thrilled you have chosen to be a part of it!

The Annual Meeting will be held November 18-21, 2021, at the Hynes Convention Center in Boston. SNO has been in close contact with the venue regarding appropriate safety measures we can take on-site. Ultimately, the health and safety of our registrants, partners and SNO staff remain our main concern. We will follow guidance and recommended safety measures from the Centers for Disease Control and Prevention, the World Health Organization, and state and local officials throughout the event.

The theme of this year’s meeting is *Bridge to the Future: Reimagining Bench to Bedside*, and we are pleased that an outstanding group of plenary speakers will share their knowledge and insights, complimenting the invited lectures, panel discussions and accepted abstracts. Not to be missed is the Saturday evening Town Hall focusing on Improving Diversity in Clinical Trials!

In addition to the main meeting, the Education Day on November 18 will feature two distinct tracks of specialized content. The first track, organized by Daniel Orringer, Houtan Noushmehr and Susan Short, will focus on Biomarkers and Precision Design for Clinical Trials. The second track, organized by Maureen Daniels and Sandra K Johnston, will address multidisciplinary practice in neuro-oncology and reimagining care of patients with CNS cancers.

The SNO Annual Meeting is the world’s largest neuro-oncology conference, attracting researchers and clinician scientists from around the world and spanning all neuro-oncology disciplines, professions, and interests.

Against this backdrop, we believe this year’s SNO Annual Meeting will be an outstanding forum for networking and building lasting relationships with like-minded colleagues and collaborators.

Enjoy the meeting!
Society for Neuro-Oncology

Scientific Planning Committee
Priscilla Brastianos
Albert Kim
Farshad Nassiri

Education Day Chairs
Houtan Noushmehr
Daniel Orringer
Susan Short

Multidisciplinary Day Chairs
Maureen Daniels
Sandra Johnston

SNO Staff
Angie Ames
Megan Bell-Johnston
Tracy Harrell
Kristina Knight
Tara Mammoser
Caroline Noor
Shelley Pressley
MeLesa Ritterhouse
Ginger Vazquez
Teressa Warren

Travel Scholarship Recipients
Mikias Negussie
Karl Cristie Figuracion
Oluwademilade Nuga
Oluwaseun Akinduro
Mariacarmen Hernandez
Ahmed Doomi
J'ya Hunter
Oluwaseun Adegbite
Max Reed
Aldwin Soumare

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David Reardon

www.soc-neuro-onc.org

2021 Volunteer Monitors
Juliana Larson
Ashish Dahal
Magali De Sauvage
Nazanin Ijad
Joana Mora
Target Audience
The educational design of this activity addresses the needs of Basic Science Researchers, Neuro-Oncologist, Neurosurgeons, Statisticians, Nurse Practitioners, Registered Nurses, Pharmacists, Allied Health Professionals involved in the treatment of patients with CNS tumors.

Statement of Need/Program Overview
The Society for Neuro-Oncology’s Annual Meeting is the largest and most influential meeting for multidisciplinary collaboration in the field of Neuro-Oncology. The latest advances in Central Nervous System (CNS) cancers are shared with an international audience that includes a variety of sub-specialties involved in basic & translational research, clinical as well as symptom management research. The meeting fosters opportunities to explore collaborations that will positively influence outcomes for patients with CNS cancers. This activity will be a collaboration of researchers and clinicians disseminating new knowledge to healthcare professionals in order to provide the highest quality of patient care to improve patient outcomes. The goal is to provide healthcare professionals with updated viewpoints, strategies, collaboration opportunities and an increased knowledge base to maximize treatment and management of brain tumor patients.

This year’s meeting will highlight the theme of Bridge to the Future: Reimagining Bench to Bedside. We are thrilled to share that an outstanding group of plenary speakers have been confirmed. As an adjunct to the main meeting, the Education Day on November 18 will feature two distinct tracks of specialized content. The first track, organized by Daniel Orringer, Houtan Noushmehr and Susan Short, will focus on Biomarkers and Precision Design for Clinical Trials. The second track, organized by Maureen Daniels and Sandra K Johnston, will address multidisciplinary practice in Neuro-Oncology and reimagining care of patients with CNS cancers. It is hoped that healthcare professionals will advance the treatment and management of CNS tumor patients.

Educational Objectives
After completing this activity, the participant should be better able to:
• Discuss multidisciplinary treatment and diagnostic advances in the management of brain tumor patients.
• Recognize the need for rehabilitative management measures to address primary brain tumor symptoms and brain tumor treatment sequela.
• Describe the use of the molecular landscape of gliomas for characterization of tumor makers and genetic risk factors.
• Identify molecular parameters in the classification of brain tumors.
• Identify advances in AI and novel imaging in the diagnosis and management of gliomas.
• Outline challenges in trial design, delivery, and treatment outcomes in CNS clinical trials.

Faculty
For a list of speakers, please click here, or visit the SNO Annual Meeting website, www.eventscribe.net/2021/SNO.

Physician 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 Global Education Group (Global) and Society for Neuro-Oncology. Global is accredited by the ACCME to provide continuing medical education for physicians.

Physician Credit Designation
Global Education Group designates this live activity for a maximum of 26 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Nursing Continuing Education
Global Education Group is accredited with distinction as a provider of nursing continuing professional development by the American Nurses Credentialing Center’s Commission on Accreditation.

This educational activity for 26 contact hours is provided by Global Education Group. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

CME Program Agenda
To view the CME program, please click here, or visit the SNO Annual Meeting website, www.eventscribe.net/2021/SNO.

Instructions to Receive Credit
In order to receive credit for this activity, the participant must attend the live webinar sessions and complete the program evaluation.

Refund/Cancellation Policy
The deadline for cancellations with refund was Thursday, November 4, 2021. Cancellations must be received in writing and a $50 cancellation fee will be assessed. Cancellations received after the deadline date cannot be refunded, but the meeting registration can be transferred to another person with written authorization.

Please note that your SNO membership must be current if you have chosen to register as a SNO member. SNO reserves the right to confirm that you have registered in the correct category.

The registrant is fully responsible for managing their own hotel reservation, including if they will now be participating remotely in the conference.

Email all cancellation and transfer requests to Program Registrar Caroline Noor, caroline@soc-neuro-onc.org.

Disclosure of Conflicts of Interest
Global Education Group (Global) adheres to the policies and guidelines, including the Standards for Integrity and Independence in Accredited CE, set forth to providers by the Accreditation Council for Continuing Medical Education (ACCME) and all other professional organizations, as applicable, stating those activities where continuing education credits are awarded must be balanced, independent, objective, and scientifically rigorous. All persons in a position to control the content of an accredited continuing education program provided by Global are required to disclose all financial relationships with any ineligible company within the past 24 months to Global. All financial relationships reported are identified as relevant and mitigated by Global in accordance with the Standards for Integrity and Independence in Accredited CE in advance of delivery of the activity to learners. The content of this activity was vetted by Global to assure objectivity and that the activity is free of commercial bias.

All relevant financial relationships have been mitigated.

To view the disclosure list of all individuals in control of content for the program, please click here, or visit the SNO Annual Meeting website, www.eventscribe.net/2021/SNO.

Disclosure of Unlabeled Use
This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by the FDA. Global Education Group (Global) and Society for Neuro-Oncology do not recommend the use of any agent outside of the labeled indications.

The opinions expressed in the educational activity are those of the faculty and do not necessarily represent the views of any organization associated with this activity. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

Disclaimer
Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed in this activity should not be used by clinicians without evaluation of patient conditions and possible contraindications on dangers in use, review of any applicable manufacturer’s product information, and comparison with recommendations of other authorities.

Global Contact Information
For information about the accreditation of this program, please contact Global at 303-395-1782 or cme@globaleducationgroup.com.

Onsite Speaker Ready Room
For onsite participants, you will be able to submit your final slides at the meeting venue, no later than 4 hours prior to your presentation time. This version should be the version that was submitted for CME review (details above) with only grammatical and scientific updates.

Speaker Ready Room Hours:
- Wednesday, November 17 – 2:00pm - 6:00pm ET
- Thursday, November 18 – Saturday, November 20 - 6:00am – 6:00pm ET
- Sunday, November 21 - 6:00am – 11:00am ET
CLEAR Health Screening App Instructions

SNO is using the CLEAR Health Pass to provide you with a safe experience at the SNO Annual Meeting. With CLEAR’s Health Pass feature, your COVID-19 health screening is quick, easy, and secure. We will be using CLEAR to verify your vaccination status and for a daily health screening. Please follow the directions below to obtain the CLEAR app and input your information prior to your arrival in Boston:

Code: EFATTENDEE26  
App Link: https://clear.app.link/EFAttendee26

Instructions for Clear Health Pass

1. If you are viewing this on a mobile device, you can use this link to download the CLEAR mobile app. Alternatively, you can also download the CLEAR mobile app from the app store.
2. Tap on the white Health Pass tile, select “All other locations”, and enter the code EFATTENDEE26.
3. Create an account by uploading a photo of a government-issued ID (such as a driver’s license or passport) and snap a quick selfie to confirm your identity. Please use the same email address that you used to register for the SNO Annual Meeting.
4. To add your proof of vaccination, you can upload your CDC card (most popular method) or you can securely link to your vaccine provider or scan a SMART QR code. Check out this tutorial if you need help.
5. On the day of your arrival, complete the Daily Health Screening. Green means that you are good to go! Simply show your Health Pass on your device screen upon arrival and you may proceed to registration to pick up your badge.
6. Each day you will be required to show your Health Pass to enter the SNO Annual Meeting.

International Attendees

International attendees attending in Boston will need to:
- Be fully vaccinated with one of the 8 vaccines approved by the World Health Organization.
- Show proof of a negative PCR test taken within 72 hours of departure from their home country.

Independent Industry Symposia

**Thursday**
November 18, 2021 5:30pm – 7:30pm Room: 302  
Tackling NF1 – Associated Tumors with Targeted Therapy  
Tackling NF1 Associated Tumors with Targeted Therapy: A Clinical Update and Case-Based Challenges for the Neuro-Oncology Specialist  
Supported by CE Concepts through grant support of AstraZeneca.

**Friday**
November 19, 2021 at 12:45pm – 1:45pm Room: 302  
Gene Expression Profiling Predicts Meningioma Biology, Outcomes, and Radiotherapy Responses  
Supported by 10x Genomics.

November 19, 2021 at 12:45pm – 1:45pm Room: 302  
ZAP-X Vault-Free, Cobalt-Free Radiosurgery: Clinical Experience at the Medstar Georgetown Cancer Institute  
Supported by Zap Surgical.

November 19, 2021 at 12:45pm – 1:45pm Room: 312  
GBM cases and debunking common misconceptions  
Supported by Novocure.

**Saturday**
November 20, 2021 at 12:45pm – 1:45pm Room: 312  
A New Wave of Progress in Glioblastoma: Expert Guidance on Delivering Modern Personalized Care With Tumor Treating Fields and Novel Systemic Approaches  
This educational symposium is accredited by the Medical Learning Institute, Inc. This activity is developed with our educational partner, PVI, PeerView Institute for Medical Education. This activity is supported by an educational grant from Novocure, Inc. This CE activity has been developed in partnership with the American Brain Tumor Association.

November 20, 2021 at 12:45pm – 1:45pm Room: 311  
A Physician-Led Presentation of Patient Cases of NFI PN  
Supported by AstraZeneca.

November 20, 2021 at 12:45pm – 1:45pm Room: 302  
GammaTile Therapy: Surgically Targeted Radiation Therapy For Brain Tumors  
Supported by GT Medical Technologies.
Twitter Ambassadors
Follow us @neuroonc #SNO2021
Women in Neuro-Oncology Awards

The WiN. Mid-Career Exemplary Physician Award
Name: Priscilla Brastianos
Presentation Date: Friday, Nov. 20, 2021
Time: 5:30-7:00 PM

Award: The WiN. Mentorship Award
Name: Amy Heimberger
Presentation Date: Friday, Nov. 20, 2021
Time: 5:30-7:00 PM

WiN. Abstract Award for Basic Science/Translational Research
Name: Defne Bayik (Abstract Number: IMMU-21)
Presentation Title: Differential expression of adhesion molecules defines myeloid cell infiltration in glioblastoma and comprises a therapeutic target
Presentation Date: Saturday, November 20, 2021
Presentation Time: 11:55 AM – 12:00 PM ET

WiN. Abstract Award for Clinical Research
Name: Emma Nicklin (Abstract Number: QOLP-30)
Presentation Title: Long-term unmet supportive care needs of TYA childhood brain tumour survivors and their caregivers: a cross-sectional survey

Abstract Awards

Abstract Award for Excellence in Pediatric Basic Science
Supported by the National Brain Tumor Society
Name: Yuan Pan (Abstract Number: TAMI-69)
Presentation Title: NF1 mutation drives neuronal activity-dependent optic glioma initiation
Presentation Date: Saturday, November 20, 2021
Presentation Time: 9:20 AM – 9:30 AM ET

Abstract Award for Excellence in Adult Basic Science
Supported by the Sontag Foundation
Name: Varun Venkataramani (Abstract Number: TAMI-52)
Presentation Title: Neuronal mechanisms of brain tumor invasion
Presentation Date: Friday, November 19, 2021
Presentation Time: 9:50 AM – 10:00 AM ET

Abstract Award for Excellence in CNS Metastases
Supported by the American Brain Tumor Association
Name: Christopher Alvarez-Breckenridge (Ab. No: IMMU-02)
Presentation Title: Genomic and transcriptomic correlates of immunotherapy response within the tumor microenvironment of leptomeningeal metastases
Presentation Date: Friday, November 19, 2021
Presentation Time: 9:40 AM – 9:50 AM ET

Abstract Award for Excellence in Adult Basic Science
Supported by the National Brain Tumor Society
Name: David D. Tran (Abstract Number: EXTH-51)
Presentation Title: Development of a novel gene therapy approach targeting glioblastoma following artificial Intelligence (AI)-directed identification of the GBM state
Presentation Date: Sunday, November 21, 2021
Presentation Time: 10:45 AM – 10:55 AM ET

Abstract Award for Excellence in Adult Basic Science
Name: Dena Panovska (Abstract Number: EXTH-20)
Presentation Title: Single-cell drug activity mapping in glioblastoma identifies extended drug response heterogeneity and therapy-induced cellular plasticity
Presentation Date: Sunday, November 21, 2021
Presentation Time: 11:35 AM – 11:45 AM ET
Andrew Parsa Young Investigator Award
Name: Gilles Berger (Abstract Number: EXTH-81)
Presentation Title: STING activation promotes robust immune response and tumor regression in glioblastoma models
Presentation Date: Sunday, November 21, 2021
Presentation Time: 11:15 AM – 11:25 AM ET

Abstract Award for Excellence in Radiation
Name: Roman O. Kowalchuk (Abstract Number: RADT-10)
Presentation Title: Development and internal validation of a predictive score for vertebral compression fracture after stereotactic body radiation therapy for spinal metastases
Presentation Date: Sunday, November 21, 2021
Presentation Time: 9:20 AM – 9:30 AM ET

Abstract Award for Excellence in Surgery
Name: Clark C. Chen (Abstract Number: SURG-05)
Presentation Title: α5β1 integrin targeting liposome delivery of miR-603 suppressed glioblastoma stem cell state and enhanced radiation sensitivity
Presentation Date: Sunday, November 21, 2021
Presentation Time: 9:10 AM – 9:20 AM ET

Abstract Award for Excellence in CNS Rare Disease
Name: Yohei Miyake (Abstract Number: EXTH-73)
Presentation Title: Proteasome inhibition exposes selective vulnerability in central nervous system lymphoma
Presentation Date: Sunday, November 21, 2021
Presentation Time: 9:30 AM – 9:40 AM ET

Abstract Award for Excellence in CNS Rare Disease
Name: Marta Penas-Prado (Abstract Number: CTIM-32)
Presentation Title: Immune checkpoint inhibitor nivolumab in people with recurrent select rare CNS cancers: results of interim analysis in a heavily pretreated cohort
Presentation Date: Sunday, November 21, 2021
Presentation Time: 9:40 AM – 9:50 AM ET

Abstract Award for Excellence in Pathology
Name: Frederick S. Varn (Abstract Number: EPCO-09)
Presentation Title: Longitudinal analysis of diffuse glioma reveals cell state dynamics at recurrence associated with changes in genetics and the microenvironment
Presentation Date: Saturday, November 20, 2021
Presentation Time: 4:25 PM – 4:35 PM ET

Abstract Award for Excellence in Clinical Trials
Name: Patrick Y. Wen & E. Antonio Chiocca (Ab. No: CTIM-13)
Presentation Title: Phase 1 Clinical Trial of Oncolytic Viral Immunotherapy with CAN-2409 + Valacyclovir in Combination with Nivolumab and Standard of Care (SOC) in Newly Diagnosed High-Grade Glioma (HGG)
Presentation Date: Friday, November 19, 2021
Presentation Time: 3:45 PM – 3:55 PM ET

Abstract Award for Excellence in Clinical Trials
Name: John H. Sampson (Abstract Number: CTIM-28)
Presentation Title: MDNA55, an interleukin-4 receptor targeted immunotherapy, for recurrent GBM delivered by Convection Enhanced Delivery (CED)
Presentation Date: Friday, November 19, 2021
Presentation Time: 4:35 PM – 4:45 PM ET

Marit Mary Swenson Award for Pediatric DMG/DIPG
Name: Robert Siddaway (Abstract Number: EPCO-16)
Presentation Title: Oncohistone interactome profiling uncovers mechanisms of chromatin disruption and identifies potential therapeutic targets in pediatric high-grade glioma
Presentation Date: Saturday, November 20, 2021
Presentation Time: 9:40 AM – 9:50 AM ET

Abstract Award for Excellence in Neuro-Imaging
Name: Anahita Fathi Kazerooni (Abstract Number: NIMG-52)
Presentation Title: Radiogenomics signatures in key driver genes in glioblastoma evaluated with and without the presence of co-occurring mutations
Presentation Date: Sunday, November 21, 2021
Presentation Time: 9:10 AM – 9:20 AM ET

Abstract Award for Excellence in Survivorship
Name: Heather Leeper (Abstract Number: QOLP-19)
Presentation Title: Financial Toxicity and Distress During the COVID-19 Pandemic in People Living with Primary Brain Tumors
Presentation Date: Saturday, November 20, 2021
Presentation Time: 3:45 PM – 3:55 PM ET

Abstract Award for Excellence in Public Service
Name: Nicole Willmarth
Presentation Date: Saturday, Nov. 20, 2021
Presentation Time: 9:50 AM – 10:00 AM ET
## Ancillary & Committee Meetings

### Thursday, November 18, 2021

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<thead>
<tr>
<th>Time</th>
<th>Function</th>
<th>Room</th>
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<tbody>
<tr>
<td>11:30 AM - 1:00 PM</td>
<td>Brain Tumor Nonprofit Leadership Meeting</td>
<td>300</td>
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<tr>
<td>11:00 AM - 1:00 PM</td>
<td>NBTS, TDG Investigators</td>
<td>309</td>
</tr>
<tr>
<td>1:00 PM - 5:30 PM</td>
<td>Fellow and Early Clinician/Investigator Career Retreat <em>Pre-registration is required</em></td>
<td>Ballroom B</td>
</tr>
<tr>
<td>12:00 PM - 3:00 PM</td>
<td>Glass Consortium Meeting</td>
<td>310</td>
</tr>
<tr>
<td>3:30 PM - 4:00 PM</td>
<td>CNS Clinical Trials Leadership Meeting</td>
<td>300</td>
</tr>
<tr>
<td>4:00 PM - 5:00 PM</td>
<td>External Relations Committee</td>
<td>300</td>
</tr>
<tr>
<td>5:30 PM - 6:30 PM</td>
<td>Allied Health Networking Reception</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>6:00 PM - 7:00 PM</td>
<td>Career Development Networking Reception <em>Pre-registration is required</em></td>
<td>304-306</td>
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<tr>
<td>6:00 PM - 7:30 PM</td>
<td>SNO Board of Directors</td>
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### Friday, November 19, 2021

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<tr>
<th>Time</th>
<th>Function</th>
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<tbody>
<tr>
<td>7:00 AM - 9:00 AM</td>
<td>SDP Oncology</td>
<td>313</td>
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<td>7:45 AM - 8:45 AM</td>
<td>CV Review</td>
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<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Leaders Mentorship Committee</td>
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<tr>
<td>12:45 PM - 1:45 PM</td>
<td>Istari Oncology Investigator Meeting</td>
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<tr>
<td>12:45 PM - 1:45 PM</td>
<td>Methylation Classifier Consortium</td>
<td>208</td>
</tr>
<tr>
<td>1:00 PM - 2:00 PM</td>
<td>SNO Guidelines Committee</td>
<td>300</td>
</tr>
<tr>
<td>2:30 PM - 3:30 PM</td>
<td>Nursing and Survivorship Track</td>
<td>300</td>
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<tr>
<td>4:00 PM - 4:30 PM</td>
<td>Ad Hoc Diversity Committee</td>
<td>300</td>
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<tr>
<td>5:00 PM - 7:00 PM</td>
<td>Novocure Corporate Update</td>
<td>313</td>
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<tr>
<td>5:30 PM - 7:00 PM</td>
<td>Women and Diversity Session</td>
<td>304</td>
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<tr>
<td>7:00 PM - 9:00 PM</td>
<td>OurBrainBank Update</td>
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<tr>
<td>7:30 PM - 8:30 PM</td>
<td>Fellowship Program Directors Meeting</td>
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### Saturday, November 20, 2021

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<td>12:45 PM - 1:45 PM</td>
<td>xCures</td>
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<tr>
<td>12:45 PM - 1:45 PM</td>
<td>ICOM Meeting</td>
<td>207</td>
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<tr>
<td>3:30 PM - 4:30 PM</td>
<td>Clinical Trials Scholarship Workshop and LMIC Discussion</td>
<td>300</td>
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### Sunday, November 21, 2021

<table>
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<tr>
<th>Time</th>
<th>Function</th>
<th>Room</th>
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<tr>
<td>7:30 AM - 8:30 AM</td>
<td>iRANO Session</td>
<td>310</td>
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### Exhibitors and Supporters

#### Meeting Exhibitors

10x Genomics  
Accuray  
American Brain Tumor Association  
Arbor Pharmaceuticals  
AstraZeneca  
AstraZeneca - Medical Affairs  
Bayer  
Biocept  
Brain Tumor Network  
Brainlab  
BTG Speciality  
Candel Therapeutics  
Caris Life Sciences  
CERN Foundation at NBTS  
Chimerix  
ClearPoint Neuro, Inc.  
Design for Vision, Inc.  
Elekta  
Focused Ultrasound Foundation  
GT Medical Technologies  
Kiyatec, Inc.  
Medtronic Inc.  
Monteris Medical  
National Brain Tumor Society  
NICO Corporation  
Norton Healthcare  
Novocure  
Novocure Medical Affairs  
NX Development Corp  
Orbus Therapeutics  
OurBrainBank  
Pyramid Biosciences  
Renishaw Neuro Solutions  
Rosman Search  
Seagen  
SonALASense  
Stemline  
The Sontag Foundation  
University of Florida  
Varian, a Siemens Healthineers company  
Zap Surgical

#### Platinum Level

American Brain Tumor Association  
AstraZeneca  
Chimerix  
National Brain Tumor Society  
Novocure  
The Sontag Foundation

#### Benefactor Level

Bristol-Myers Squibb  
Orbus Therapeutics

#### Supporter Level

Bayer  
DNAtrix  
Illumina  
SonALASense

#### Contributor Level

10x Genomics  
Beigene  
Denovo Biopharma  
Eisai  
Kazia Therapeutics  
Monteris Medical  
Nationwide Children’s Hospital  
Northwest Biotherapeutics  
Pyramid Biosciences  
SDP Oncology
Company Booth Number

10x Genomics 524
Accuray 211
American Brain Tumor Association 316
Arbor Pharmaceuticals 106
AstraZeneca (Commercial) 424, 325
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Head for the Cure 102
KIVATEC, Inc. 402
Medtronic Inc. 425
Monteris Medical 324
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NICO Corporation 209
Norton Healthcare 502
Novocure 200
Novocure Medical Affairs 200
NX Development Corp 219
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University of Florida 419
Varian 225
Zap Surgical 427
## Education Day

**Thursday, November 18, 2021**

*Pre-meeting registration at the Hynes Convention Center opens on Wednesday, November 17, from 4:00 PM to 6:30 PM*

**Biomarkers Chairs:** Houtan Noushmehr, Susan Short, Daniel Orringer  
**Multidisciplinary Practice Chairs:** Maureen Daniels, Sandra Johnston

<table>
<thead>
<tr>
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</table>
| 8:00 AM - 10:00 AM | Education Day Session I: Biomarkers *(Main Auditorium)*  
Education Day Session II: Multidisciplinary Practice *(Ballroom A)*  
Break *(10:00 AM - 10:20 AM)* |
| 10:20 AM - 11:40 AM | Education Day Session I: Biomarkers *(Main Auditorium)*  
Education Day Session II: Multidisciplinary Practice *(Ballroom A)*  
Ticketed Lunch Pick Up *(11:40 AM – 11:55 AM)* |
| 11:55 AM - 12:55 PM | Joint Lunch Session: Ethical Considerations in Biomarker Studies in Neuro-Oncology |
| 1:00 PM - 2:50 PM | Education Day Session I: Biomarkers *(Main Auditorium)*  
Education Day Session II: Multidisciplinary Practice *(Ballroom A)*  
Break *(2:50 PM - 3:10 PM)* |
| 3:10 PM - 5:00 PM | Education Day Session I: Biomarkers *(Main Auditorium)*  
Education Day Session II: Multidisciplinary Practice *(Ballroom A)* |

1:00 PM – 5:30 PM  Fellow and Early Career Retreat *(Ballroom B)*  
5:30 PM - 6:30 PM  Allied Health Networking Reception *(Ballroom A)*  
5:30 PM - 7:00 PM *(Room 302)*  
Independent Satellite Session: Tackling NF1 Associated Tumors with Targeted Therapy: A Clinical Update and Case-Based Challenges for the Neuro-Oncology Specialist  
Supported by CE Concepts through grant support of AstraZeneca.

6:00 PM - 7:00 PM *(Room 304-306)*  
Young Investigator’s Career Development and Networking Reception

7:30 PM - 10:00 PM *(Boylston Hallway)*  
SNO Welcome Reception
Main Scientific Meeting
Friday, November 19, 2021

Registration (6:00 AM - 7:30 PM)

7:15 AM - 8:45 AM

CONCURRENT SESSIONS

- Synaptic Input to Brain Tumors: Clinical Implications *(Main Auditorium)*
- AAN/SNO: Preserving Neurological Function in Brain Tumor Patients: An Evidence-Based Approach *(Ballroom A)*
- Harnessing Metabolic Vulnerabilities in Gliomas to Enhance Therapeutic Efficacy *(Ballroom C)*

CV Review (7:45 AM - 8:45 AM, Room 300 Alcove)

Break (8:45 AM - 9:00 AM)

9:00 AM - 10:30 AM

PLENARY I *(Main Auditorium)*

- 9:10 AM - 9:40 AM Keynote Presentation: Genome Editing CME
  Liu D
- 9:40 AM - 9:50 AM Genomic and transcriptomic correlates of immunotherapy response within the tumor microenvironment of leptomeningeal metastases CME
  Alvarez-Breckenridge C
- 9:50 AM - 10:00 AM Neuronal mechanisms of brain tumor invasion CME
  Venkataramani V
- 10:00 AM - 10:30 AM Keynote Presentation: Geonomics & Cancer - Where it was and Where it’s Going? CME
  Getz G

Break (10:30 AM - 10:45 AM)

10:45 AM - 12:15 PM

CONCURRENT SESSIONS

- Updates on the Treatment of Primary Central Nervous System Lymphoma *(Main Auditorium)*
- Abstracts: Basic Science I *(Ballroom C)*
- Abstracts: Pediatrics I *(Room 207)*
- Using External Patient-Level Data to Inform Adaptive Clinical Trial Design *(Ballroom B)*

Ticketed Lunch Pick Up (12:15 PM - 12:45 PM)

12:45 PM - 1:45 PM

LUNCHTIME SESSIONS

- Low Grade Glioma in the Adolescent/Young Adult Population: Molecular Landscape and Precision Medicine-Based Therapeutic Approaches *(Main Auditorium)*
- Clinical Advances in CNS Metastases *(Ballroom A)*
- Nanotechnology-Enabled Precision Medicines - Designing New Approaches for Brain Tumor Imaging and Treatment *(Ballroom B)*
LUNCHTIME INDEPENDENT SYMPOSIUM SESSIONS

Gene Expression Profiling Predicts Meningioma Biology, Outcomes, and Radiotherapy Responses *(Room 313)*
Supported by 10x Genomics.

ZAP-X Vault-Free, Cobalt-Free Radiosurgery: Clinical Experience at the Medstar Georgetown Cancer Institute *(Room 302)*
Supported by Zap Surgical.

Overheard in Clinic: Learn more about Tumor Treating Fields (TTFields) *(Room 312)*
Supported by Novocure.

Break (1:45 PM – 2:00 PM)

2:00 PM - 3:33 PM

PLENARY II *(Main Auditorium)*

- 2:00 PM - 2:30 PM  
  Keynote Presentation: The 2021 WHO Classification of CNS Tumors
  Louis D

- 2:30 PM - 2:40 PM  
  Lifetime Achievement Award
  Bouffet E

- 2:40 PM - 3:10 PM  
  Keynote Presentation: Unlocking the Immunological Door
  Iwasaki A

- 3:10 PM - 3:23 PM  
  Late Breaking Abstract: Mutant IDH Inhibitors Induce Lineage Differentiation in IDH-mutant Oligodendroglioma
  Spitzer A

- 3:23 PM - 3:33 PM  
  A randomized phase 3 study of nivolumab or placebo combined with radiotherapy plus temozolomide in patients with newly diagnosed glioblastoma with methylated MGMT promoter: CheckMate 548
  Weller M

Break (3:33 PM - 3:45 PM)

3:45 PM - 5:15 PM

CONCURRENT SESSIONS

Novel Imaging Strategies *(Main Auditorium)*

Abstracts: Clinical Trials I *(Ballroom C)*

Abstract Session: CNS Metastases *(Room 208)*

Brain Tumor Epigenetics: Heterogeneity and Translational Opportunities *(Ballroom B)*

5:30 PM - 7:00 PM

WOMEN AND DIVERSITY SESSION *(Room 304)*

- 5:30 PM - 5:35 PM  
  Welcome and Introduction
  Chukwueke U

- 5:35 PM - 6:05 PM  
  Structural Equity: Lessons from 2020
  Betancourt J

- 6:05 PM - 6:15 PM  
  Q&A

- 6:15 PM - 6:45 PM  
  Women in NeuroOncology Award Presentations and Remarks
  Peters K, Brastianos P, Heimberger A

- 6:45 PM - 6:50 PM  
  Women and Diversity Committee Travel Award Presentation
  Hervey-Jumper S

- 6:50 PM - 7:00 PM  
  Summary of Committee Activities
  Porter A

7:30 PM - 9:30 PM

POSTER SESSION *(Exhibit Hall D)*
Saturday, November 20, 2021

Registration (6:00 AM - 6:00 PM)

7:15 AM - 8:45 AM

CONCURRENT SESSIONS

- **Precision Medicine for Primary Brain Tumors** *(Main Auditorium)*
- **Innate and Perturbed Immune Responsiveness in Human Brain Tumor Microenvironment** *(Ballroom B)*
- **Multi-Disciplinary Treatment of Spine Metastases** *(Room 207)*

CV Review (7:45 AM - 8:45 AM, Room 300 Alcove)

Break (8:45 AM - 9:00 AM)

9:00 AM - 10:30 AM

PLENARY III *(Main Auditorium)*

- 9:00 AM - 9:05 AM: Welcome and Introduction
  - Brastianos P, Kim A, Nassiri F
- 9:05 AM - 9:20 AM: Presidential Address
  - Zadeh G
- 9:20 AM - 9:27 AM: SNO Announcements
  - Haynes C
  - Pan Y
- 9:37 AM - 9:50 AM: Late Breaking Abstract: Clinical Efficacy of ONC201 in Recurrent H3 K27M-Mutant Diffuse Midline Glioma Patients
  - Arrillaga-Romany I
- 9:50 AM - 10:00 AM: Jan Esenwein Public Service Award
  - Willmarth N
- 10:00 AM - 10:30 AM: Keynote Presentation: CAR T Cell Therapy for Glioblastoma: Promise and Challenges
  - Brown C

Break (10:30 AM - 10:45 AM)

10:45 AM - 12:15 PM

CONCURRENT SESSIONS

- **Microglia/Macrophages and Gliomas** *(Main Auditorium)*
- Abstracts: Basic Science II *(Room 208)*
- Abstracts: Clinical Trials II *(Ballroom C)*
- Advances in DIPG and other Diffuse Midline Gliomas *(Ballroom A)*
12:45 PM - 1:45 PM

LUNCHTIME SESSIONS

The Versatile Role of Advanced Practice Providers in Neuro-Oncology (Main Auditorium)  
Pituitary Tumors: Current and Future (Ballroom A)  
Redefining Cancer Stem Cells in Glioma (Ballroom B)

LUNCHTIME INDEPENDENT SYMPOSIUM SESSIONS

A New Wave of Progress in Glioblastoma: Expert Guidance on Delivering Modern Personalized Care with Tumor Treating Fields and Novel Systemic Approaches (Room 312)  
This educational symposium is accredited by the Medical Learning Institute, Inc.  
This activity is developed with our educational partner, PVI, PeerView Institute for Medical Education.  
This activity is supported by an educational grant from Novocure, Inc.  
*Please note that this session is not part of the overall CME hours jointly provided by Global Education Group and the Society for Neuro-Oncology.

A Physician-Led Presentation of Patient Cases of NF1 PN (Room 311)  
Supported by AstraZeneca.

GammaTile Therapy: Surgically Targeted Radiation Therapy for Brain Tumors (Room 302)  
Supported by GT Medical Technologies.

2:00 PM - 3:33 PM

PLENARY IV (Main Auditorium)

2:00 PM - 2:30 PM  
Keynote Presentation: The Tumor Microenvironment in IDH Mutant Gliomas  
Castro M

2:30 PM - 2:35 PM  
Victor Levin Award Introduction  
Zadeh Z

2:35 PM - 3:00 PM  
Victor Levin Award Lecture  
Cloughesy T

3:00 PM - 3:13 PM  
Late Breaking Abstract: A Clinically Applicable Integrative Molecular Classification of Meningiomas  
Nassiri F

3:13 PM - 3:23 PM  
Inherited polymorphism in chromosome 8q24 cooperates with mutant IDH1, Trp53 and ATRX loss to induce low-grade glioma  
Schramek D

3:23 PM - 3:33 PM  
B cell-vaccine elicits long term immunity against glioblastoma via activation and differentiation of tumor-specific CD8+ memory T cells  
Hou D

3:45 PM - 5:15 PM

CONCURRENT SESSIONS

Viruses and Vaccines Meet Our Exhibitors (Main Auditorium)  
Abstracts: Molecular Pathology (Room 207)  
Abstracts: Survivorship (Room 208)  
Artificial Intelligence and Neuro-Oncology Imaging (Ballroom A)
6:00 PM – 7:30 PM

**TOWN HALL (Main Auditorium)**

**Session I: The Fred Gentili Story: When the Physician Becomes the Patient (6:00 PM - 6:15 PM)**

**Session II: Eliminating Health Disparities in Neuro-Oncology (6:15 PM - 7:30 PM)**

- **6:15 PM - 6:30 PM**
  - SNO 2020 diversity survey: defining demographics, racial biases, career success metrics and a path forward for the field of neuro-oncology
  - Chukwueke U

- **6:30 PM - 6:45 PM**
  - Strategies to enhance diversity within the professional arena
  - Thomas C

- **6:45 PM - 7:00 PM**
  - Review of system wide efforts to combat structural racism and improve health care outcomes
  - Lathan C

- **7:00 PM - 7:15 PM**
  - Challenge of recruitment of racial/ethnic minorities and underserved populations
  - Winkfield K

- **7:15 PM - 7:30 PM**
  - Panel Discussion and Q&A

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**SNO Gala (7:30 PM - 10:30 PM)** Boston Public Library (Ticket Required)
### Sunday, November 21, 2021

**Registration (7:00 AM - 10:45 AM)**

#### 7:45 AM - 8:30 AM

**PLENARY V (Main Auditorium)**

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>7:45 AM - 7:50 AM</td>
<td>Welcome and Introduction [LIVE] Brastianos P, Kim A, Nassiri F</td>
</tr>
<tr>
<td>7:50 AM - 8:00 AM</td>
<td>Oncohistone interactome profiling uncovers mechanisms of chromatin disruption and identifies potential therapeutic targets in pediatric high-grade glioma [LIVE] Siddaway R</td>
</tr>
<tr>
<td>8:00 AM - 8:30 AM</td>
<td>Keynote Presentation: Deciphering treatment resistance in glioma [LIVE] Verhaak R</td>
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**Break (8:30 AM - 9:00 AM)**

#### 8:30 AM - 10:30 AM

**CONCURRENT SESSION**

**Single Cell Sequencing (Ballroom A)** [NON-CME]

#### 9:00 AM - 10:30 AM

**CONCURRENT SESSIONS**

- **Brain Metastasis Biology: Harnessing Basic Science to Improve Patient Care (Main Auditorium)** [LIVE]
  - Abstracts: Neuroimaging (Room 207) [NON-CME]
  - Abstracts: Surgery/Rare Disease/Radiation (Room 208) [NON-CME]
  - Meningioma Session (Ballroom A) [NON-CME]

**Break (10:30 AM - 10:45 AM)**

#### 10:45 AM - 12:15 PM

**CONCURRENT SESSIONS**

- **Big Data, Small Sample Sizes: Clinical Prognostic Models and Challenges (Main Auditorium)** [LIVE]
  - Abstracts: Basic Science III (Room 208) [NON-CME]
  - Abstracts: Pediatrics II (Room 207) [NON-CME]
  - Emerging Technologies in Radiation Science (Ballroom C) [CME]
  - New Views on Glioma Cell Invasion and Tumor Host Interactions (Room 304) [CME]

**Closing Remarks**
The Society for Neuro-Oncology thanks the following organizations for their support of SNO and the 2021 Annual Meeting.

**Platinum Level**

- American Brain Tumor Association®
- AstraZeneca
- CHIMERIX®
- novocure®
- THE SONTAG FOUNDATION
- National Brain Tumor Society

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- Sumitomo Dainippon Pharma Oncology