FIFTH ANNUAL

INNOVATIVE APPROACHES TO BRAIN TUMOR MANAGEMENT

NEW Highlights this year include:

* Radiation Oncology: Up Front Radiation Prior to Surgery
* New Developments in Leptomeningeal Metastases
* Advanced Imaging for Brain Tumors: Perfusion, Functional Mapping & Tractography
* Challenges of Immunotherapy for Primary Brain Cancer
* Seizure Management in Patients with Brain Tumors
* What the Non-Surgeon Needs to Know About Tumor Surgery
* Controversies and Emerging Uses of Tumor Treatment Fields
* Novel Practical Considerations in Neuro-Oncology
  - Neurosurgical Advances
  - Practical Genomics in Neuro-Oncology

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Saturday
FEB. 1, 2020

WWW.SEATTLESCIENCEFOUNDATION.ORG/EVENTS
# PROGRAM

**SATURDAY, FEBRUARY 1, 2020**

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<td>7:30 a.m.</td>
<td>Breakfast &amp; Registration</td>
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<tr>
<td>7:55 a.m.</td>
<td>Welcome &amp; Announcements</td>
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<tr>
<td>8 a.m.</td>
<td>Radiation Oncology: Up Front Radiation Prior to Surgery</td>
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<tr>
<td>8:30 a.m.</td>
<td>New Developments in Leptomeningeal Metastases</td>
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<tr>
<td>9 a.m.</td>
<td>Advanced Imaging for Brain Tumors: Perfusion, Functional Mapping &amp; Tractography</td>
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<td>9:30 a.m.</td>
<td>Challenges of Immunotherapy for Primary Brain Cancer</td>
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<tr>
<td>10 a.m.</td>
<td>Break &amp; Exhibits</td>
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<td>10:15 a.m.</td>
<td>Seizure Management in Patients with Brain Tumors</td>
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<td>10:45 a.m.</td>
<td>What the Non-Surgeon Needs to Know About Tumor Surgery</td>
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<td>11:15 a.m.</td>
<td>Controversies and Emerging Uses of Tumor Treatment Fields</td>
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<td>11:45 a.m.</td>
<td>Lunch Break &amp; Exhibits</td>
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<td>12:15 p.m.</td>
<td>Breakout Sessions: Novel Practical Considerations in Neuro-Oncology</td>
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<td>Group A: Neurosurgical Advances</td>
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<td></td>
<td>Panel: Zachary N. Litvack, M.D., Charles Cobbs M.D., Sunit Das, M.D., Ph.D., and</td>
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<td>Sean Hervey-Jumper, M.D.</td>
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<tr>
<td></td>
<td>• Minimally Invasive Parafascicular / Port-Based Subcortical Approaches</td>
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<td>• Fluorescence Assisted Resection</td>
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<td>• Advanced Intra-operative Imaging and Navigation</td>
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<td>Group B: Practical Genomics in Neuro-Oncology</td>
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<td>Panel: Santosh Kesari, M.D., Ph.D. and John W. Henson, M.D.</td>
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<td></td>
<td>• Outline the uses of DNA sequencing in neuro-oncology</td>
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<td>• Review techniques of requesting, submitting and interpreting genomic testing and report</td>
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<td>interpretation</td>
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<tr>
<td>1:30 p.m.</td>
<td>Break &amp; Exhibits</td>
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<tr>
<td>1:45 p.m.</td>
<td>Breakout Sessions (Continued)</td>
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<tr>
<td>3 p.m.</td>
<td>Adjourn</td>
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**REGISTER ONLINE**

[www.seattlesciencefoundation.org/events](http://www.seattlesciencefoundation.org/events)
COURSE INFORMATION

COURSE DESCRIPTION
Innovative Approaches to Brain Tumor Management is targeted towards healthcare providers who manage and treat patients with brain tumors. Leading experts in the field will come together to discuss the future of brain tumor management including the progress in personalized medicine and implications of immunotherapy in specializing treatment. This course is designed to focus on the future of brain tumor therapy with the goal of improving treatment response rates, outcomes, and overall patient care.

COURSE OBJECTIVES
By attending this course, the participant will provide better patient care through an increased ability to:

• Discuss diagnostic modalities including molecular pathology in precise classification of brain tumor.
• Address the risks and benefits of surgery, and the indications for surgery in heretofore "inoperable" brain tumors.
• Provide an update regarding advances in chemotherapy, immunotherapy, radiation and electromagnetic therapy for treatment of primary and secondary brain tumor.

CME INFORMATION
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME). The Seattle Science Foundation is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™
The Seattle Science Foundation designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

WHO SHOULD ATTEND?
This course is intended for neurologists, neurosurgeons, neuro-oncologists, medical oncologists, neuroradiologists, radiation oncologists, hospitalists, and other professionals who treat patients with brain tumors.

ACKNOWLEDGMENTS
This symposium is financially supported in part by educational grants in accordance with ACCME’s Standards for Commercial Support. At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the symposium.

LOCATION
The Seattle Science Foundation is located at 550 17th Avenue, James Tower, Suite 600 in Seattle, Washington. Parking is available in the garage on 16th Avenue between Cherry and Jefferson at a maximum fee of $16.50. From I-5 (north and southbound), take the James Street exit. Travel east on James Street. James will become Cherry Street. Turn right (south) on 16th Avenue. Turn right into the main garage entrance.

AMERICANS WITH DISABILITIES ACT
The Seattle Science Foundation wishes to take proactive steps to ensure that no individual with a disability is excluded, segregated, denied services, or otherwise treated differently as a result of the absence of auxiliary aids and services. If you require any of the aids or services identified in the Americans with Disabilities Act in order to attend any SSF program, please contact the SSF Meeting Planning Office at (206) 732-6500.

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DESTINATION: SEATTLE, WA

PLAN YOUR SKI TRIP
Just an hour from Seattle on Interstate 90, The Summit at Snoqualmie (and Alpental) re-define convenience, variety and fun for skiers and snowboarders. Featuring famous steeps, backbowls, terrain parks, a Nordic center and Tubing Park as well as great learning terrain. The Summit delivers 7 days and 6 nights a week, and is less than 50 miles from downtown Seattle!

MUSEUM OF POP CULTURE
Never met a bar trivia tournament you didn’t like? Then the Museum of Pop Culture (MoPOP) is the place for you! Before entering, take a moment to soak in the design of the building—a colorful creation of visionary architect Frank Gehry. Then, enjoy an afternoon of experiential exhibits covering everything from the Sci-Fi filmmaking to Jimi Hendrix to an ode to horror flicks.

SPACE NEEDLE
No trip to Seattle is complete without a visit to the Space Needle! Beyond being the defining feature of the city’s skyline, it boasts some of the best views of downtown, Puget Sound and the snow-dusted peaks of the Olympic Mountains and Mount Rainier. With their recent 100 million dollar makeover, including the world’s first and only rotating glass floor, a stop at the Needle is all the more essential on a trip to the Emerald City!
COURSE REGISTRATION

REGISTRATION FORM

Name ___________________________ Title/Credentials ___________________________

Address ___________________________

City/State/Zip ___________________________

Phone ___________________________ Fax ___________________________

Email ___________________________

Specialty ___________________________

Registration Type:

M.D./D.O. ____  Allied Health ____  Fellow/Resident ____  Medical Student ____

_____ Check enclosed, payable to Seattle Science Foundation.

______ Credit Card #____________________________________________________________

______ Visa ______ MasterCard ______ Discover ______ Amex

Signature _______________________________________________________________________

Register Online at www.seattlesciencefoundation.org/events.