Established in 2008, Northwestern Brain Tumor Institute (NBTI) unites the expertise and resources of specialists across a wide range of disciplines to develop and deliver the highest level of personalized, comprehensive care for patients with complex brain and spinal cord tumors. Our goal is to provide each patient with targeted, coordinated treatment options and support, leading to improved outcomes and the best possible quality of life.
2017 Northwestern Brain Tumor Institute CME Symposium

Course directors
James P. Chandler, MD and Priya U. Kumthekar, MD

This educational program is focused toward healthcare professionals involved in the care of patients with brain tumors. The most current research—including surgical and clinical evidence-based information—will be presented and reinforced through case discussions. Please join the Northwestern University Feinberg School of Medicine faculty on Friday, April 21, for an informal and interactive discussion.

For more information, please contact Sarah Baggs, Continuing Medical Education Administrator at Northwestern Memorial HealthCare, at 312.926.7975.

Program objectives
After attending this educational activity, participants should be able to:

• Review current treatment strategies for gliomas and discuss treatment challenges in special patient populations.

• Interpret new clinical data on experimental agents currently under evaluation in gliomas and other brain tumors to identify opportunities to optimize treatment.

• Review new research on cell biology, signal transduction inhibition strategies, and factors associated with angiogenesis and invasion in brain tumors.

• Discuss the indications for endoscopic or endoscope-assisted surgical procedures.

• Discuss the current data on radiotherapy and stereotactic radiosurgery for gliomas.

• Discuss the current developments in novel therapeutic agents.

• Review the current clinical trial options.

• Discuss treatments of other tumors—meningiomas, pituitary and skull base tumors, and brain metastases.
## Agenda

### 2017 Northwestern Brain Tumor Institute CME Symposium

**Friday, April 21**

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<th>Time</th>
<th>Session</th>
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<tr>
<td>7:15 am</td>
<td><strong>Breakfast and Registration</strong></td>
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<tr>
<td>8:05 am</td>
<td><strong>Welcome</strong>&lt;br&gt;James P. Chandler, MD</td>
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<tr>
<td>8:10 am</td>
<td><strong>Northwestern Brain Tumor Institute Translational Research Portfolio</strong>&lt;br&gt;C. David James, PhD</td>
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<tr>
<td>8:35 am</td>
<td><strong>Surgeries for Gliomas</strong>&lt;br&gt;Matthew C. Tate, MD, PhD</td>
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<td>9:00 am</td>
<td><strong>Advances, Promises and Disappointments in Medical Management of Gliomas</strong>&lt;br&gt;Roger Stupp, MD</td>
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<td>9:25 am</td>
<td><strong>Advances in Radiation Therapy for Brain Tumors</strong>&lt;br&gt;John A. Kalapurakal, MD</td>
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<td>10:00 am</td>
<td><strong>Refreshment Break</strong></td>
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<tr>
<td>10:15 am</td>
<td><strong>Updates in Management of Common Benign Tumors</strong>&lt;br&gt;James P. Chandler, MD</td>
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<td>10:50 am</td>
<td><strong>Medical Management for CNS Metastases</strong>&lt;br&gt;Priya U. Kumthekar, MD</td>
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<td>11:25 am</td>
<td><strong>Lunch</strong></td>
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<td>12:00 pm</td>
<td><strong>The Brain, Immune Privilege and Immunotherapy: Proof in Concept</strong>&lt;br&gt;Derek A. Wainwright, PhD</td>
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<td>12:35 pm</td>
<td><strong>Management of Brain Metastases in the Era of Immunotherapy</strong>&lt;br&gt;Orin Bloch, MD</td>
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<td>1:10 pm</td>
<td><strong>New Approaches in Radiotherapy for Brain Metastases</strong>&lt;br&gt;Timothy J. Kruser, MD</td>
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<tr>
<td>1:45 pm</td>
<td><strong>Closing Comments and Adjournment</strong>&lt;br&gt;James P. Chandler, MD</td>
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</table>
Program course directors

James P. Chandler, MD
Co-Director, Northwestern Brain Tumor Institute
Lavin/Fates Professor of Neurological Surgery
Professor of Neurological Surgery and Otolaryngology - Head and Neck Surgery
Northwestern University Feinberg School of Medicine
Surgical Director, Neuro-Oncology
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Priya U. Kumthekar, MD
Director, Metastatic Brain Tumor Program
Northwestern Brain Tumor Institute
Assistant Professor of Neurology (Neuro-Oncology) and Medicine (Hematology/Oncology)
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

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Assistant Professor of Radiation Oncology
Northwestern University Feinberg School of Medicine

Roger Stupp, MD
Professor of Neurological Surgery
Associate Director for Strategic Initiatives
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Hotel accommodations
For hotel reservations, please visit the following web page for a list of local hotels that offer a discounted rate for Northwestern Medicine visitors: https://www.nm.org/locations/northwestern-memorial-hospital#local-services. We recommend that you make your reservations as soon as possible to ensure accommodations.

Program location
The program will be held at Northwestern Memorial’s Feinberg Pavilion, 251 E. Huron Street, third floor, Pritzker Auditorium, Chicago, IL.

Directions and parking
Please visit nm.org for directions to the conference. We offer discounted parking in the garage just north of the hospital at 222 E. Huron Street. Please bring your parking ticket with you for validation.

Audience
The content of the program is appropriate for physicians and other healthcare providers who care for and/or conduct research on adult brain tumor patients.

Registration fee
The fee is $50 for physicians and $35 for trainees, nurses and other healthcare professionals. Breakfast, refreshments and lunch are provided. Space is limited. No refunds will be issued after April 10.

Registration procedure
To register online, visit www.cme.northwestern.edu/conferences/index.html OR complete the registration form and mail it with your check made payable to Northwestern Memorial HealthCare (CME) to the address listed above, prior to April 10. You may also fax the registration form with credit card information to Sarah Baggs at 312.694.2249 (this is a private line).

For additional information:
Northwestern Memorial HealthCare
675 North St. Clair St., Galter 3-104
Chicago, IL 60611
PHONE: 312.926.7975
FAX: 312.694.2249
EMAIL: sbaggs@nm.org

Accreditation statement
The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit designation statement
The Northwestern University Feinberg School of Medicine designates this educational activity for a maximum of 4.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Family attractions
Northwestern Memorial Hospital is located in the heart of Chicago, within walking distance of a variety of restaurants, public transportation and the Magnificent Mile, Chicago’s premier shopping area. For a listing of all Chicago has to offer, visit choosechicago.com.
2017 Northwestern Brain Tumor Institute CME Symposium
Registration

Complete this registration form and mail it with your check made payable to Northwestern Memorial HealthCare (CME) to the address listed below, prior to April 10, or fax registration form with credit card information to Sarah Baggs at 312.694.2249 (this is a private line).

Name: ___________________________________________ Title: ______________________________________________

Specialty/Subspecialty: ________________________________________________________________________________________

☐ MD ($50) □ Fellow ($35) □ NP/RN ($35) □ Other ($35)

☐ Check □ Credit Card

☐ VISA® □ MasterCard® □ American Express®

Account Number: _______________________________________________ Exp. ______________________

Hospital Affiliation(s): _________________________________________________________________________________________

Business Address: _____________________________________________________________________________________________

City: ______________________________________________  State: _________________________ ZIP:  ______________________

Email: ______________________________________________________________________________________________________

Please Indicate Any Special Needs: ______________________________________________________________________________

Dietary Preferences: ___________________________________________________________________________________________

Northwestern Memorial HealthCare (CME)
675 North St. Clair St., Galter 3-104
Chicago, IL 60611

For more information about Northwestern Medicine, please visit nm.org.
2017 Northwestern Brain Tumor Institute

CME Symposium

Friday, April 21
Chicago, Illinois
7:15 am - 2:00 pm