Seminar Overview
This one-day program presented by Huntsman Cancer Institute staff highlights recent developments in research, clinical trials, and management of adult and pediatric patients with metastatic and primary brain tumors.

Target Audience
This seminar targets adult and pediatric medical oncologists, radiation oncologists, neurosurgeons, neurologists, pediatricians, and primary care physicians. Fellows, residents, medical students, nurses, technicians, and other allied health care professionals who care for patients with central nervous system cancers are also invited to attend.

Educational Objective
The seminar will inform regional and national medical practitioners about new approaches to managing patients with brain and spine tumors. After completion, participants should be able to

• Formulate treatment plans for adults and children with primary and metastatic brain tumors
• Recognize the appropriate use of surgery, chemotherapy, radiation therapy, and stereotactic radiosurgery in the management of patients with brain tumors
• Describe current knowledge of brain tumor biology
• Recommend appropriate clinical trials for patients with brain tumors

Accreditation
This seminar was planned and implemented in accordance with the essentials and standards of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Association of Neurological Surgeons (AANS) and the Richard Lende Winter Neurosurgery Conference. The AANS is accredited by the ACCME to sponsor continuing medical education for physicians.

CME Credit
The AANS designates this educational activity for a maximum of 7.25 credits in Category 1 CME, credit toward the AMA Physician's Recognition Award. Each physician should claim only those hours of credit actually spent in the educational activity.

Accommodations
Lodging is available at the University Guest House located on the University of Utah campus. Please call toll free 1-888-416-4075.

Joint Sponsorship Disclaimer
All approaches, views, statements, or opinions expressed in the seminar are intended for educational purposes. The material is not intended to represent the only, nor necessarily the best, method or procedure. View a full disclaimer online at www.huntsmancancer.org/neuroseminar.
Seminar Schedule

7:30 a.m. Continental Breakfast
8 a.m. Welcome
Randy Jensen, MD, PhD, Seminar Director
8:05 a.m. Opening Remarks
Mary Beckerle, PhD, HCI Executive Director

SESSION 1: Glioma Stem Cells and Micro RNA/RNAi
Randy Jensen MD, PhD, Moderator
8:10 a.m. Micro RNA in Malignant Gliomas
Nino Chiocca, MD, PhD
9:00 a.m. Glioma Stem Cells
Howard Colman, MD, PhD
9:30 a.m. Nanoparticle siRNA Delivery for Intracranial Gliomas
Randy Jensen, MD
9:50-10:20 a.m. Break

SESSION 2: Pediatric Neuro-Oncology I
Howard Colman, MD, PhD, Moderator
10:20 a.m. Medulloblastoma and Ependymoma: Evolution in Radiotherapy and Understanding of Treatment Complications
Thomas Merchant, DO, PhD
11:15 a.m. Medulloblastoma in a Mouse Model
Daniel Fults, MD
11:55 a.m. Reducing Surgical Complications with Protocols: The Hydrocephalus Clinical Research Network Quality Improvement Project
John Kestle, MD
12:30-1:30 p.m. Lunch

SESSION 3: Pediatric Neuro-Oncology II
Randy Jensen, MD, PhD, Moderator
1:30 p.m. The Role of Marrow-Ablative Chemotherapy in the Management of Childhood Malignant Brain Tumors
Jonathan Finlay, MD
2:25 p.m. The Relationship Between Pediatric Posterior Fossa Tumors and Hydrocephalus
Jay Riva Cambrian, MD
2:50 p.m. Radiotherapy for Pediatric Low-Grade Glioma: Current Results and Future Targets
Matthew Poppe, MD
3:15-3:45 p.m. Break

SESSION 4: Biomarker Discovery in Human Intracranial Tumors
Howard Colman, MD, PhD, Moderator
3:45 p.m. Biomarker Discovery and Application in Glioblastoma
Howard Colman, MD, PhD
4:20 p.m. Meningioma Prognosis Determination by Hypoxia Biomarkers
Randy Jensen, MD, PhD
4:55 p.m. Pituitary Genetics
William Couldwell, MD, PhD
5:30 p.m. Closing Remarks
Randy Jensen, MD, PhD

Seminar Registration
Registration is $75 for physicians and $25 for residents, fellows, nurses, technicians, and other health care professionals. This fee includes seminar attendance and materials, continental breakfast, refreshments, lunch, and a CME credit certificate. If you are a physician attending the Lende Winter Neurosurgery Conference, register for both events online at www.lendeconference.com.

All other seminar attendees may register online at www.huntsmancancer.org/neuroseminar or complete this form and mail it with a check or money order:

Please check one:
☐ physician ($75)
☐ other health care professional ($25)

Direct registration questions to 801-581-6550.