Background. The past two decades have witnessed significant strides in our ability to manage breast, lung, colon, and prostate cancer. These advances are a direct result of our improved ability to diagnose and treat these cancers. Unfortunately, the survival of patients diagnosed with the most common form of brain cancer, the glioblastoma, has not improved, despite years of scientific investigation and numerous clinical trials. In the United States alone, there are over 17,000 new cases of glioblastoma diagnosed per year, and this figure has been increasing by 1-2% per year over the past decade. Unlike other cancers, brain tumors are often undetected until late and represent difficult tumors to completely remove and effectively treat with conventional therapies. In this regard, the majority of patients with malignant brain tumors die within 9-12 months despite aggressive treatment, and less than 3% survive more than 3 years.

In addition, there has been an explosion in genomic and genetic information, leading to improved prognostic and therapeutic strategies. Many of these actionable approaches are commonplace in our management of both children and adults with brain tumors.

Overall Goal. Provide a rich outpatient-oriented, combined pediatric and adult neuro-oncology experience for pediatric and adult neurology residents and interested medical students.

Specific Objectives:

1. Attend multidisciplinary adult and pediatric neuro-oncology clinics and case conferences (tumor boards)
2. Attend adult and pediatric radiation oncology clinics
3. Attend neuropathology brain tumor review
4. Participate in subspecialty brain tumor clinics
5. Attend monthly brain tumor research conferences

Rotators are expected to evaluate and present patients in the outpatient to the responsible attending physician.

Rotation Coordinator. David H. Gutmann, M.D., Ph.D. (gutmannd@neuro.wustl.edu)

Two weeks prior to the start date for your rotation, please email Andrea Fetter (afetter@wustl.edu) to arrange a meeting with Dr. Gutmann to discuss this rotation.
**Weekly Schedule**

**Monday**
8:00 am – 12:00 pm  
Jian Campian, MD  
CAM, Suite 7C (weeks 1 and 3)

8:00 am – 12:00 pm  
Keith Rich, MD (Neurosurgery)  
CAM 6th Floor; Suite C (weeks 2 and 4)

1:00 pm – 4:00 pm  
Jay Huang, MD (Radiation Neuro-Oncology)  
Lower Level, CAM (weeks 1 and 3)

1:00 pm – 4:00 pm  
Christina Tsien, MD  
Lower Level, CAM; Suite A (weeks 2 and 4)

4:00 pm – 5:00 pm  
Adult Tumor Board  
5th Floor McMillan Conference Room (all weeks)

**Tuesday**

9:00 am – 12:00 am  
Dr. Keith Rich, MD (Neurosurgery)  
CAM 6th Floor; Suite C (weeks 1 and 3)

8:30 am – 12:00 pm  
Dr. Karen Gauvain, MD  
SLCH, 9S (weeks 2 and 4)

1:00 pm – 4:00 pm  
Albert Kim, MD, PhD (Neurosurgery)  
CAM 6th Floor; Suite C (weeks 1 and 3)

1:00 pm – 4:00 pm  
READING (weeks 2 and 4)

**Wednesday**

7:00 am – 8:00 am  
Multidisciplinary Case Conference  
5th Floor McMillan Conference Room (all weeks)

8:30 am – 12:00 pm  
Jay Huang, MD (Radiation Neuro-Oncology)  
Lower Level CAM (weeks 1 and 3)

8:30 am – 12:00 pm  
Christina Tsien, MD (Radiation Oncology)  
Lower Level CAM, Suite A (weeks 2 and 4)

1:00 pm – 4:00 pm  
Michael Chicoine, MD (Adult Neurosurgery)  
CAM 6th Floor; Suite C (All weeks)
**Thursday**

8:00 am – 12:00 pm  
Jian Campian, MD  
CAM, Suite A Consult Room (weeks 1 and 3)

8:00 am – 12:00 pm  
Allison King, MD  
SLCH, 9S (weeks 2 and 4)

1:00 pm – 3:00 pm  
Milan Chheda, MD, PhD (Adult Neuro-Oncology)  
CAM, 7th Floor (weeks 1 and 3)

1:00 pm – 4:00 pm  
David H. Gutmann, M.D., Ph.D.  
Stephanie Morris, M.D.  
Neurofibromatosis Clinic (weeks 2 and 4)  
SLCH, 2nd Floor; Suite D

3:30 pm – 4:30 pm  
Pediatric Tumor Board  
SLCH, 4th Floor; Neuro-Oncology Offices (across from clinic)  
(weeks 1 and 3)

**Friday**

8:00 pm – 12:00 pm  
Michael Chicoine, MD (Adult Neurosurgery)  
CAM 6th Floor; Suite C (weeks 1 and 3)

8:30 am – 12:00 pm  
Jonathan McJunkin, M.D.  
CAM, 11A (weeks 2 and 4)

1:00 pm – 5:00 pm  
READING (all weeks)

**NOTE:** If a clinic is cancelled, you should use the time for reading or to attend another clinic. Many of the attending physicians have additional clinic days.