Autopsy Tissue Needs
Children’s Brain Tumor Tissue Consortium
The Children’s Hospital of Philadelphia

Research Interests
Recent advances in breast cancer, colon cancer, and melanoma treatment show the importance of detailed molecular analysis of tumor samples to find new therapeutic targets. By comparison, progress in the molecular characterizations of childhood brain tumors is much slower. The majority of these studies focus on medulloblastoma and high-grade gliomas but neglect other important childhood tumor histologies. To address this problem, we are developing a new, multi-institutional, collaborative childhood brain tumor tissue research platform that will meet current needs for high-quality brain tumor biopsy samples, comprehensive clinical data, and new tumor model development.

Our plan is to collect and analyze all types of childhood brain tumors. All tumor tissue, genetic and protein, will be performed at The Children’s Hospital of Philadelphia using the facilities of the Center for Genomic Analysis. Tissue micro arrays will be generated from as many samples as possible for use in biomarker follow-up and validation studies. Protein extracts will be prepared from blood, cerebrospinal fluid, and tumor samples for proteomic studies. All data--genomic, pathologic and clinical--will be encoded using a common de-identification system to allow cross-platform comparisons.

Selected Publications


**Autopsy Tissue Needed**
We are in need of fresh-frozen and paraffin-embedded samples for all central nervous system tumor diagnoses.

**Contact Information**
Peter C. Phillips, M.D.
Schoemaker Professor of Neuro-Oncology
Director, Neuro-Oncology Program
The Children’s Hospital of Philadelphia
Colket Translational Research Center, Room 4062
Phone: 215-590-5188
Fax: 215-590-9956
Email: phillisp@email.chop.edu