

# KIDS **V** CANCER

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## **Autopsy Tissue Needs**

**Laboratory of Kathy Warren, M.D.**

**National Cancer Institute**

### **Research Interest**

Treatment of children with tumors involving the central nervous system is difficult, due to the lack of available effective agents, the effects of treatment on the developing brain, and the frequency of tumor resistance in this patient population. Our research objectives include the clinical development of novel anticancer agents through clinical trials incorporating pharmacokinetic studies, imaging studies, and neuropsychologic testing. We are studying agents designed to overcome drug resistance or improve delivery of standard agents through modulation of the blood-brain barrier. Investigated agents include modulating agents, such as P-glycoprotein antagonists; the bradykinin agonist lobradimil, which temporarily disrupts the blood-brain barrier; and agents that overcome drug-resistance, including O6-benzylguanine as a potentiating agent for temozolomide.

### **Selected Publications**

Meany, Holly Jane, Katherine E. Warren, Elizabeth Fox, Diane E. Cole, Alberta A. Aikin, and Frank M. Balis. "Pharmacokinetics of Temozolomide Administered in Combination with O(6)-Benzylguanine in Children and Adolescents with Refractory Solid Tumors." *Cancer Chemotherapy and Pharmacology* 65 no. 1 (2009): 137-142.

Hayward, Robert M., Nicholas Patronas, Eva H. Baker, Gilbert Vézina, Paul S. Albert, and Katherine E. Warren. "Inter-Observer Variability in the Measurement of Diffuse Intrinsic Pontine Gliomas." *Journal of Neuro-Oncology* (2008): 57-61.

Kim, AeRang, Elizabeth Fox, Katherine E. Warren, Susan M. Blaney, Stacey L. Berg, Peter C. Adamson, Madeleine Libucha, Elena Byrley, Frank M. Balis, and Brigitte C. Widemann. "Characteristics and Outcome of Pediatric Patients Enrolled in Phase I Oncology Trials." *The Oncologist* 13 no. 6 (June 2008): 679-89.

### **Autopsy Tissue Needed**

We are in need of paraffin-embedded samples for the following diagnosis: diffuse intrinsic pontine glioma.

### **Contact Information**

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