



# The Children's Brain Tumor Tissue Consortium (CBTTC) *Advances Through Collaboration*

The Children's Brain Tumor Tissue Consortium (CBTTC) is a collaborative, multi-institute research program dedicated to the study of childhood brain tumors. The CBTTC is committed to improving outcomes for children with brain tumors by supporting research that will lead to new treatments and diagnostic tools. The CBTTC has made great strides toward increasing worldwide collaboration by sharing efforts to advance informatics, building a large store of brain tumor tissue in a state-of-the-art biorepository, and bringing together the leading experts in the field. The long-term goal of the CBTTC is to stimulate tissue-based research and increase worldwide access to the molecular analysis of large numbers of tumor specimens, so that new diagnostic tests and treatments can be developed faster.

## Childhood Brain Tumors

- ✓ Brain tumors are the most common form of solid tumor and the leading cause of death from solid tumors in children (SEER 1975-1999)
- ✓ They account for about 1 out of 5 childhood cancers. - American Cancer Society
- ✓ More than 4,300 central nervous system tumors are diagnosed each year in children and teens. - Central Brain Tumor Registry of the United States (CBTRUS)
- ✓ Every day nine children in the U.S. are diagnosed with a brain tumor. – Pediatric Brain Tumor Foundation
- ✓ Two-thirds of children treated for childhood cancer will suffer long-term effects from treatment including loss of hearing and sight, heart disease, secondary cancers, learning disabilities, infertility and more- St. Baldrick's Foundation

## Members of the CBTTC

The CBTTC includes leading pediatric brain cancer clinicians, researchers and institutions, including *The Children's Hospital of Philadelphia (CHOP)*, *Children's Hospital of Pittsburgh of UPMC*, *Ann & Robert H. Lurie Children's Hospital of Chicago*, *Seattle Children's Hospital* and *Meyer Children's Hospital in Florence Italy*. The CBTTC operations center, including the state-of-the-art biorepository where tissue is housed, is at CHOP. Plans are to increase the number of primary member sites to 6 in addition to having each primary site launch satellite member sites to bring the CBTTC to increased numbers of hospitals.

## Work of the CBTTC

The Children's Brain Tumor Tissue Consortium (CBTTC) is a collaborative, multi-institute research program dedicated to the study of childhood brain tumors.

- ✓ Collect high-quality biospecimens from all brain tumor types and annotate with long term clinical & genomic data
- ✓ Create an open access specimen and data informatics system with real-time access
- ✓ Create an open access genomic analysis environment for worldwide collaboration
- ✓ Share materials, data and results to simulate and accelerate research

## How You Can Help the CBTTC

The CBTTC is completely funded by donor support. 100% of all donations go straight to the CBTTC and can be directed by interest. Please contact us for how you can partner with the CBTTC. Dan Agogliad at 267-426-6461, [agogliad@email.chop.edu](mailto:agogliad@email.chop.edu) Jena V. Lilly at 267-425-3137, [lillyj@email.chop.edu](mailto:lillyj@email.chop.edu)

Current opportunities for support include:

- ✓ Sequence and Analysis of Specimens
- ✓ Collection of Clinical Data & Specimens
- ✓ Tumor Modeling
- ✓ Specimen Banking
- ✓ Specimen Shipping
- ✓ Specimen Kits
- ✓ Informatics System Development