



## **William Loudon, M.D., Ph.D.**

William Loudon, M.D., Ph.D. is a Pediatric Neurosurgeon and the Scientific Director of the CHOC Neuroscience Center for Research.

Dr. Loudon received his medical degree from University of Texas at Houston and his Ph.D. in Cancer Biology from University of Texas, M.D. Anderson Cancer Center. Dr. Loudon performed his neurosurgical residency at Medical College of Virginia and his post-doctoral fellowship at Massey Cancer Institute/Medical College of Virginia. Dr. Loudon completed his pediatric neurosurgery fellowship at University of Pennsylvania/Children's Hospital of Philadelphia. Dr. Loudon also completed his Stereotactic Radiosurgery Fellowship at the University of Pittsburgh. Dr. Loudon's clinical interest is in pediatric brain tumors and his expertise is in Stereotactic Surgery and Radiosurgery through the use of Gamma Knife.

Dr. Loudon is developing stem cell research protocols through the CHOC Research Institute with specific emphasis on Cancer stem cells. His research focuses on the systematic identification, isolation, and characterization of cancer stem cells (CSC) in pediatric patients with malignant tumors.