

PGY-3

Christoph Hofstetter, M.D., Ph.D received his medical degree at the University of Vienna, Austria. He completed his doctoral thesis on stem cell therapies for traumatic spinal cord injury under the supervision of Dr. Lars Olson at the Karolinska Institute in Stockholm, Sweden. The interest in stem cell biology inspired Christoph to pursue his research efforts in the field of neuro-oncology. Christoph plans to spend his research period in Dr. Boockvar's laboratory where he will investigate the properties of tumor stem cells derived from glioblastoma multiforme. He will focus specifically on the role of protein phosphatases in tumorigenic transformation of neural stem cells.

Selected publications:

1. **Hofstetter CP**, Howard B, Gursel D, Lavi E, Boockvar JA. *Molecular Profile of Glioblastoma Multiforme in a rare case of Turcot's syndrome*. Submitted for publication.
2. Howard B, **Hofstetter CP**, Gursel D, Boockvar JA. *EGFR signaling is differentially active in brain tumor stem cells*. Submitted for publication.
3. Howard B, **Hofstetter CP**, Wagner PL, Muskin ET, Lavi L, Boockvar JA. Transformation of a low-grade pineal parenchymal tumor to secondary pineoblastoma. *Neuropathology and Applied Neurobiology*. Accepted for publication.
4. **Hofstetter CP**, Holmström N, Lilja J, Schweinhardt P, Hao JX, Spenger C, Wiesenfeld-Hallin Z, Kurpad SN, Frisen J, Olson L. *Induction of allodynia limits usefulness of neural stem cells in spinal cord injury; directed differentiation improves outcome*. *Nature Neuroscience* 2005; 8(13): 236-253.
5. **Hofstetter CP**, Schwarz EJ, Hess D, Widenfalk J, El Manira A, Prockop DJ, Olson L. *Marrow stromal cells form guiding strand in the injured spinal cord and promote recovery*. *Proc Natl Acad Sci USA*. 2002; 99(4): 2199-2204.