

10. Publications.

Research articles.

1. **Goswami C.**, Dreger M., Jahnel R., Bogen O., Gillen C. and Hucho F. (2004) Identification and characterization of a Ca²⁺-sensitive interaction of the vanilloid receptor TRPV1 with tubulin. *J Neurochem.* **91**, 1092-103.
2. **Goswami C.**, Dreger M., Otto H., Schwappach B. and Hucho F. (2006) Rapid disassembly of dynamic microtubules upon activation of the capsaicin receptor TRPV1. *J Neurochem.* **96**, 254-266
3. **Goswami C.**, Schmidt H. and Hucho F.
Regulation of growth cone morphology and movement by TRPV1 activation. *Journal of neuroscience.* (In revision)

Manuscript in preparation.

1. Characterization of tubulin binding region located in TRPV1: Identification of a novel tubulin-binding motif.
2. Identification and characterization of microtubule stabilizing agent Taxol® as an inhibitor of TRPV1.
3. Involvement of TRPV1 in filopodial structure formation.
4. Neuronal expression of the IB4-binding Versican.

Abstracts.

1. Jahnel R., **Goswami C.**, Si H., Dreger M., Gillen C. and F. Hucho (Jun, 2003) Expression of the N- and C-termini from the Vanilloid Receptor 1 (VR1) as MBP-fusion proteins for affinity purification and search for interaction partners. *Journal of Neurochemistry.* **85.s2**, 31-31.

2. **Goswami C.**, Dreger M., Jahnel R., Bogen O., Gillen C. and Hucho F. Tubulin is a downstream effector of the pain receptor TRPV1. Program No. 599.4. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.
3. Hucho F., **Goswami C.** and Bogen O. (2005 Aug) Cytoskeletal interactions with TRPV1. *Journal of Neurochemistry*. **94.s2**, 222-222
4. Bogen O., Bender O., Schlenstedt J., **Goswami C.**, Schröder W., Blenau W., Gillen C., Dreger M. and Hucho F. (2005 Aug) Neuronal expression of the IB4-binding Versican. *Journal of Neurochemistry*. **94.s2**, 124-124.
5. **Goswami C.**, Bogen O. and Hucho F. (2005 Aug) TRPV1 and microtubule cytoskeleton: A bidirectional regulation. *Journal of Neurochemistry*. **94.s2**, 124-124.
6. **Goswami C.** and Hucho F. (2005) TRPV1 is transported to neurite endings via the microtubule cytoskeleton and regulates growth cone movements. P-28. Study group Neurochemistry Annual Meeting. Leipzig 2005.
7. Hucho F. and **Goswami C.** (2006) Interaction of TRPV1 with microtubule cytoskeleton.

Talks delivered:

1. Selected for a talk in Society for Neuroscience (Annual meeting for neuroscience, 2004). Washington, DC.
Title: **Tubulin is a downstream effector of the pain receptor TRPV1.**
(Prof. F. Hucho gave this talk, as I could not manage a Visa to USA!!)
2. Annual Meeting Leipzig, Germany. 2005
Title: **TRPV1 regulates growth cone morphology and movements.**