

List of own publications

Publications in peer-reviewed journals

Schauwienold, D., Plum, C., Helbing, T., **Voigt, P.**, Bobbert, T., Hoffmann, D., Paul, M., & Reusch, H. P. (2003). ERK1/2-dependent contractile protein expression in vascular smooth muscle cells. *Hypertension* **41**, 546–552.

Voigt, P. & Knapp, E. W. (2003). Tuning heme redox potentials in the cytochrome c subunit of photosynthetic reaction centers. *J. Biol. Chem.* **278**, 51993–52001.

Voigt, P., Brock, C., Nürnberg, B., & Schaefer, M. (2005). Assigning functional domains within the p101 regulatory subunit of phosphoinositide 3-kinase γ . *J. Biol. Chem.* **280**, 5121–5127. * *This paper was selected as a JBC Paper of the Week.*

Sinnecker, D., **Voigt, P.**, Hellwig, N., & Schaefer, M. (2005). Reversible photobleaching of enhanced green fluorescent proteins. *Biochemistry* **44**, 7085–7094.

Voigt, P., Dorner, M. B., & Schaefer, M. (2006). Characterization of p87^{PIKAP}, a novel regulatory subunit of phosphoinositide 3-kinase γ that is highly expressed in heart and interacts with PDE3B. *J. Biol. Chem.* **281**, 9977–9986.

Munter, L. M., **Voigt, P.**, Harmeier, A., Kaden, D., Gottschalk, K. E., Weise, C., Pipkorn, R., Schaefer, M., Langosch, D., & Multhaup, G. (2007). GxxxG motifs within the amyloid precursor protein transmembrane sequence are critical for the etiology of A β 42. *EMBO J.* **26**, 1702–1712.

Manuscripts in preparation

Voigt, P. & Schaefer, M. The p87^{PIKAP} regulatory subunit of PI3K γ is essential for the adenosine-mediated amplification of degranulation in RBL-2H3 cells.

Voigt, P., Malkewitz, J., & Schaefer, M. p101 and p87^{PIKAP} interact with p110 γ both *via* homologous and unique peptide epitopes.

Kaden, D., **Voigt, P.**, Munter, L. M., Schaefer, M., & Multhaup, G. Differential impact of E1 and acidic domains on the assembly of homo- and heterodimers within the APP family.

Congress abstracts

- Voigt, P.**, Schultz, G., & Schaefer, M. (2003). Mapping and characterization of functional domains within the regulatory subunit of phosphoinositide 3-kinase γ . *Jahrbuch 2003 Charité – Universitätsmedizin Berlin Campus Benjamin Franklin*, p. 331.
- Voigt, P.**, Brock, C., Nürnberg, B., & Schaefer, M. (2004). Defining functional domains within the p101 regulatory subunit of phosphoinositide 3-kinase γ . Talk at the 45. *Frühjahrstagung der Deutschen Gesellschaft für Pharmakologie und Toxikologie (DGPT)*, Mainz, 2004, abstract published in *Naunyn-Schmiedebergs Arch. Pharmacol.* **369 (Suppl.)**, R46.
- Voigt, P.**, Schultz, G., Nürnberg, B., & Schaefer, M. (2004). Mapping functional domains within the p101 regulatory subunit of phosphoinositide 3-kinase γ . Poster presentation at the *First Annual Cell Signalling Symposium on the Regulation and Therapeutic Potential of the PI 3-kinase/PKB Signalling Pathway*, Dundee, UK, 2004, abstract # 44.
- Schaefer, M., **Voigt, P.**, Reusch, H. P., Nürnberg, B., & Schultz, G. (2004). Mapping functional domains within the p101 regulatory subunit of phosphoinositide 3-kinase γ in living cells. Poster presentation at the *12th International Conference on Second Messengers and Phosphoproteins*, Montreal, Canada, 2004, poster THP049.
- Voigt, P.** & Schaefer, M. (2005). p87^{PIKAP} - a novel regulatory subunit of phosphoinositide 3-kinase γ . Talk at the 46. *Frühjahrstagung der Deutschen Gesellschaft für Pharmakologie und Toxikologie (DGPT)*, Mainz, 2005, abstract published in *Naunyn-Schmiedebergs Arch. Pharmacol.* **371 (Suppl.)**, R44.
- Munter, L. M., **Voigt, P.**, Lindner, E., Schaefer, M., Langosch, D., & Multhaup, G. (2005). Dimeric assembly of the APP membrane spanning domain defines a selective γ -secretase cleavage site. Talk by L. M. Munter at the *Neuroscience 2005 SfN 35th Annual Meeting*, Washington D.C., USA, 2005.
- Voigt, P.** & Schaefer, M. (2006). Protein interactions of p87^{PIKAP}, a novel regulatory subunit of phosphoinositide 3-kinase γ . Talk at the 47. *Frühjahrstagung der Deutschen Gesellschaft für Pharmakologie und Toxikologie (DGPT)*, Mainz, 2006, abstract published in *Naunyn-Schmiedebergs Arch. Pharmacol.* **372 (Suppl.)**, 51.
- Kaden, D., Munter, L. M., **Voigt, P.**, Schaefer, M., & Multhaup, G. (2006). Homo- and Heterophilic Interactions of APP-Family-Proteins. Poster presentation by D. Kaden at the *10th International Conference on Alzheimer's Disease*, Madrid, Spain, 2006.
- Munter, L. M., **Voigt, P.**, Lindner, E., Schaefer, M., Langosch, D., & Multhaup, G. (2006). Dimerization of the APP transmembrane sequence is critical for A β 42 generation. Talk

by L. M. Munter at the *10th International Conference on Alzheimer's Disease*, Madrid, Spain, 2006.

Munter, L. M., Harmeier, A., Wozny, C., **Voigt, P.**, Pipkorn, R., Schmitz, D., Schaefer, M., Langosch, D., & Multhaup, G. (2006). A GxxxG motif within the Amyloid Precursor Protein (APP) transmembrane sequence determines on A β 42 generation and toxicity. Talk by L. M. Munter at the *Neuroscience 2006 SfN 36th Annual Meeting*, Atlanta, USA, 2006.

Treiber, C., Quadir, M. A., Radowski, M. R., **Voigt, P.**, Schaefer, M., Haag, R., & Multhaup, G. (2007). Cellular targeting and copper ion transport of dendritic core-shell and core-multi-shell nanoparticles. Poster presentation by C. Treiber at the *International Symposium on Polymer Therapeutics (ISPT-07)*, Berlin, 2007.

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