

Curriculum Vitae

Prof. Dr. rer. nat. Susanne Lutz

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Academic Qualifications and Employment

- 2011 - Professor for Biochemical Pharmacology, Department of Pharmacology and Toxicology, University Medical Center Goettingen
- 2010 - Head of the "GPCR-signalling Research Unit", Department of Pharmacology and Toxicology, University Medical Center Goettingen
- 2002 - 2010 Postdoctoral Fellow, Institute of Clinical and Experimental Pharmacology and Toxicology, Medical Faculty Mannheim, University of Heidelberg
- 08/2006 - 10/2006 Visiting Researcher, Life Sciences Institute, University of Michigan, USA
- 1997 - 2002 Graduate research assistant, Department of Cardiology, Faculty of Medicine, University of Heidelberg, Dr. rer. nat. received.
- 1996 - 1997 Graduate research assistant, Institute of Human Genetics, Faculty of Medicine, University of Heidelberg
- 1995 Diploma in Biology, University of Konstanz, Germany

Society Memberships

- Member of the German Society of Pharmacology
- Member of the German Society of Cardiology
- Member of the International Society for Heart Research

Reviewer

- Cardiovascular Research
- Journal of Molecular and Cellular Cardiology
- Naunyn-Schmiedeberg's Archives of Pharmacology

Selected Publications

- Wuertz CM, Lorincz A, Vettel C, Thomas MA, Wieland T, **Lutz S**. (2010) *p63RhoGEF-a key mediator of angiotensin II- dependent signaling and processes in vascular smooth muscle cells*. FASEB J.; 24(12): 4865-76.
- Shankaranarayanan A, Boguth CA, **Lutz S**, Vettel C, Uhlemann F, Aittaleb M, Wieland T, Tesmer JJ. (2010) *Alpha(q) allosterically activates and relieves autoinhibition of p63RhoGEF*. Cell Signal.; 22(7): 1114-23.
- **Lutz S**, Shankaranarayanan A, Coco C, Ridilla M, Nance MR, Vettel C, Baltus D, Evelyn CR, Neubig RR, Wieland T, Tesmer JJ. (2007) *Structure of Gαq-p63RhoGEF-RhoA complex reveals a pathway for activation of RhoA by GPCRs*. Science; 318(5858): 1923-7.
- Williams S, **Lutz S**, Charlie N, Vettel C, Ailion M, Coco C, Tesmer JJG, Jorgensen E, Wieland T, Miller K. (2007) *Trio's Rho-specific GEF domain is the missing Gαq effector in the C. elegans synaptic signalling network*. Genes Dev.; 21(21): 2731-46.
- **Lutz S**, Freichel-Blomquist A, Yang Y, Ruemenapp U, Jakobs KH, Schmidt M, Wieland T. (2005) *The guanine nucleotide exchange factor p63RhoGEF, a specific link between Gq/11-coupled receptor signaling and RhoA*. J Biol Chem.; 280(12): 11134-9.