

EDUCATION

2012/10 - 2016/10	NMI Natural and Medical Sciences Institute at the University of Tuebingen doctoral thesis „Effects of Phenobarbital on Wnt/ β -Catenin Signaling” supervisor: Prof. Dr. Michael Schwarz, Prof. Dr. Stefan Stefanovic
2011/11 – 2012/07	Department of Experimental and Clinical Pharmacology and Toxicology, Tuebingen diploma thesis supervisor: Prof. Dr. Michael Schwarz
2007/10 – 2011/11	studies of biochemistry degree: diploma Eberhard Karls Universitaet, Tuebingen main points: Toxicology und Pharmaceutical Chemistry
2005/09 – 2007/09	studies of biochemistry degree: Intermediate examinations Martin-Luther Halle-Wittenberg University of Halle

WORKING EXPERIENCE

Since 2017/1	scientific employee Hochschule Albstadt-Sigmaringen
2012/10 - 2016/12	scientific employee NMI Natural and Medical Sciences Institute at the University of Tuebingen
2012/07 – 10	scientific assistance main focus: xenobiotic metabolism und carcinogenesis Prof. Dr. Michael Schwarz, Tuebingen

LIST OF PUBLICATIONS

- **Groll N**; Sommersdorf C; Joos TO; Poetz O. A Bead-Based Multiplex Sandwich Immunoassay to Assess the Abundance and Posttranslational Modification State of β -Catenin. Methods Mol Biol. 2015;1295:441-53.
- **Groll N**, Emele F, Poetz O, Rothbauer U. Towards multiplexed protein-protein interaction analysis using protein tag-specific nanobodies. Journal of proteomics. 2015;127(Pt B):289-99. doi: 10.1016/j.jprot.2015.04.017.

- **Groll N**, Kollotzek F, Goepfert J, Joos TO, Schwarz M, Braeuning A. Phenobarbital inhibits calpain activity and expression in mouse hepatoma cells. *Biol Chem.* 2016 Jan 1;397(1):91-6. doi: 10.1515/hsz-2015-0223.
- Petzuch B, **Groll N**, Schwarz M, Braeuning A. Application of HC-AFW1 Hepatocarcinoma Cells for Mechanistic Studies: Regulation of Cytochrome P450 2B6 Expression by Dimethyl Sulfoxide and Early Growth Response 1. *Drug metabolism and disposition: the biological fate of chemicals.* 2015;43(11):1727-33. doi: 10.1124/dmd.115.064659.
- **Groll N**, Petrikat T, Vetter S, Colnot S, Weiss F, Poetz O, et al. Coordinate regulation of Cyp2e1 by beta-catenin- and hepatocyte nuclear factor 1alpha-dependent signaling. *Toxicology.* 2016;350-352:40-8.
- Sinnberg T, Makino E, Krueger M A, Velic A, Macek B, Rothbauer U, **Groll N**, Potz O, Czermel S, Niessner H, Meier F, Ikenberg K, Garbe C, Schittek B. A Nexus Consisting of Beta-Catenin and Stat3 Attenuates BRAF Inhibitor Efficacy and Mediates Acquired Resistance to Vemurafenib.2016. *EBioMedicine* 8: 132-149.
- **Groll N**, Petrikat T, Vetter S, Wenz C, Dengjel J, Gretzmeier C, Weiss F, Poetz O, Joos T, Schwarz M, Braeuning A. Inhibition of beta-catenin signaling by phenobarbital in hepatoma cells in vitro. *Toxicology.* 2016. doi: 10.1016/j.tox.2016.09.018.