

## PD Dr. rer. nat. Anja Uhmann

Lab leader Molecular Developmental Genetics

Institute of Human Genetics

University Medical Center Göttingen



### Professional Appointments

- 2010-now** Project leader and laboratory leader, Institute of Human Genetics, University Medical Center of Göttingen, Germany
- 2008-2010** Avancement of “Eigene Stelle” by Deutsche Forschungsgemeinschaft
- 2006** Postdoc at the Institute of Human Genetics, University Medical Center of Göttingen, Germany

### Education

- 2016** Habilitation; University Medical Center of Göttingen, Germany
- 2006** Dissertation, (Dr. rer. nat.); University of Göttingen, Germany
- 2002** Diploma in biology; Dept. of Genetics; University of Bayreuth, Germany

### Key publications

Pyczek J, Buslei R, Schult D, Hölsken A, Buchfelder M, Heß I, Hahn H, Uhmann A. Hedgehog signaling activation induces stem cell proliferation and hormone release in the adult pituitary gland. *Sci Rep.* 2016 Apr 25;6:24928. doi: 10.1038/srep24928.

Linder B, Weber S, Dittmann K, Adamski J, Hahn H, Uhmann A. A Functional and Putative Physiological Role of Calcitriol in Patched1/Smoothed Interaction. 2015 *J Biol Chem* 290(32): 19614-19628.

Uhmann A; Heß I; Frommhold A; König S; Zabel S; Nitzki F; Dittmann K; Lühder F; Christiansen H; Reifenberger J; Schulz-Schaeffer W; Hahn H. DMBA/TPA treatment is necessary for BCC formation from Patched deficient epidermal cells in *Ptch*flox/floxCD4Cre<sup>+/-</sup> mice. *J Invest Dermatol.* 2014 Oct;134(10):2620-9

Uhmann A, Niemann H, Lammering B, Henkel C, Fritsch A, Prüfer N, Heß I, Nitzki F, Rosenberger A, Dullin C, Schraepler A, Reifenberger PD, Schweyer S, Pietsch T, Strutz F, Schulz-Schaeffer W, Hahn H. Antitumoral effects of calcitriol in basal cell carcinomas involve inhibition of Hedgehog-signaling and induction of vitamin D receptor-signaling and differentiation. *Mol Cancer Ther.* 2011 Aug 30. [Epub ahead of print]

Uhmann A, van den Brandt J, Dittmann K, Hess I, Dressel R, Binder C, Lühder F, Christiansen H, Fassnacht M, Bhandoola A, Wienands J, Reichardt HM, Hahn H. T cell development critically depends on prethymic stromal patched expression. *J Immunol.* 2011 Mar 15;186(6):3383-91. Epub 2011 Feb 11.

Zibat A\*; Uhmann A\*; Nitzki F\*; Wijgerde M; Frommhold A; Heller T; Armstrong V; Wojnowski L; Quintanilla-Martinez L; Reifenberger J; Schulz-Schaeffer W; Hahn. Time-point and dosage of gene inactivation determine the tumor spectrum in conditional *Ptch* knockouts. *Carcinogenesis* 2009 Jun;30(6):918-26. doi: 10.1093/carcin/bgp068. Epub 2009 Mar 25. (\*authors contributed equally)

Uhmann A, Dittmann K, Nitzki F, Kolova M, Frommhold A, Zibat A, Binder C, Adham I, T Heller, Armstrong V, Schulz-Schaeffer W, Wienands J, Hahn H. The Hedgehog receptor Patched controls lymphoid lineage commitment. *Blood.* 2007 Sep 15;110(6):1814-23. Epub 2007 May 29.