**CV – Franziska Vielmuth**

**Name, academic title** Vielmuth, Franziska – Dr. med.

**Year of birth** 1988

**Current position** Postdoc and Junior group leader at Department of Anatomy and Cell Biology I; Faculty of Medicine, Ludwig-Maximilians-Universität (LMU) Munich, Germany

**Institution** Ludwig-Maximilians-Universität (LMU), Munich

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**Education**

***2006-2012*** Medical School at the University of Würzburg, Germany

**Academic Qualification**

***2012*** Degree in human medicine (in Germany: 2. Staatsexamen) and license to practice medicine (in Germany: Approbation)

***2015*** Medical thesis entitled “The role of cAMP in Pemphigus vulgaris” at Institute of Anatomy and Cell Biology, Würzburg

***2017*** Specialist for Anatomy (Fachanatom) of the German Anatomical Society

***2019*** Specialist for Anatomy (Facharzt) of the Bavarian State Chamber of Physicians

**Memberships/ Awards**

Studienstiftung des Deutschen Volkes (Alumni)

Anatomische Gesellschaft (since 2013)

American Society of Investigative Pathology (ASIP, since 2015)

Young Investigator Award of Anatomische Gesellschaft (2016)

**Teaching Experiences**

Broad spectrum of teaching *ANATOMY* including dissection and histology courses

**Research Interest**

Regulation of Desmosomal Adhesion in the Epidermis

Biophysical Characterization of Desmosomal Cadherins

**Most important publications**

*Atomic force microscopy identifies regions of distinct desmoglein 3 adhesive properties on living keratinocytes.*

***Vielmuth F****, Hartlieb E, Kugelmann D, Waschke J, Spindler V. Nanomedicine. 2015 Apr;11(3):511-20. doi: 10.1016/j.nano.2014.10.006. Epub 2014 Dec 12*

*Loss of Desmoglein Binding Is Not Sufficient for Keratinocyte Dissociation in Pemphigus.*

***Vielmuth F****, Waschke J, Spindler V. J Invest Dermatol. 2015 Dec;135(12):3068-3077. doi: 10.1038/jid.2015.324. Epub 2015 Aug 19.*

*Keratins Regulate the Adhesive Properties of Desmosomal Cadherins through Signaling.*

***Vielmuth F****, Wanuske MT, Radeva MY, Hiermaier M, Kugelmann D, Walter E, Buechau F, Magin TM, Waschke J, Spindler V. J Invest Dermatol. 2018 Jan;138(1):121-131. doi: 10.1016/j.jid.2017.08.033. Epub 2017 Sep 9.*

*Keratins Regulate p38MAPK-Dependent Desmoglein Binding Properties in Pemphigus.*

***Vielmuth F,*** *Walter E, Fuchs M, Radeva MY, Buechau F, Magin TM, Spindler V, Waschke J. Front Immunol. 2018 Mar 19;9:528. doi: 10.3389/fimmu.2018.00528. eCollection 2018.*

*Plakophilin 1 but not plakophilin 3 regulates desmoglein clustering.*

*Fuchs M, Foresti M, Radeva MY, Kugelmann D, Keil R, Hatzfeld M, Spindler V, Waschke J,* ***Vielmuth F****.*

*Cell Mol Life Sci. 2019 Apr 4. doi: 10.1007/s00018-019-03083-8.*