

CURRICULUM VITAE – Daniela Kugelmann

1. Personal data

Name, degree: Kugelmann, Daniela, Dr. med.
Institutional address: Ludwig-Maximilians-University (LMU) Munich
Faculty of Medicine; Institute of Anatomy;
Chair of Vegetative Anatomy
Pettenkofersstraße 11
80336 Munich; Germany
Daniela.Kugelmann@med.uni-muenchen.de
Researcher IDs: <https://orcid.org/0000-0002-2512-4240>

2. Professional Career

2021 - today **Junior group leader/Lecturer for Anatomy**
Chair of Vegetative Anatomy and Cell Biology, LMU Munich.
Scientific Focus: Intestinal epithelial barrier regulation
Teaching: Anatomy; Study of Human Medicine and Dentistry
Course Leader for Macroscopic Anatomy for Medical Students;
Teaching Coordinator

2015 – 2021 **Postdoctoral Researcher/Lecturer for Anatomy**
Chair of Vegetative Anatomy and Cell Biology, LMU Munich.
Scientific Focus: Endothelial and Epithelial Cell Adhesion
Teaching: Anatomy; Study of Human Medicine and Dentistry
Course Leader for Macroscopic Anatomy for Dentistry;

2010 – 2015 **Research Fellow/Lecturer for Anatomy**
Chair of Vegetative Anatomy and Cell Biology, LMU Munich.
Scientific Focus: Endothelial and Epithelial Cell Adhesion
Teaching: Anatomy; Study of Human Medicine and Dentistry

3. Education and Qualification

07/2024 **Specialist for Anatomy (Fachanatom)**
Anatomische Gesellschaft, DE

03/2016 **Specialist for Anatomy (Facharzt)**
Bavarian State Chamber of Physicians, DE

03/2015 **Dr. med. (MD thesis)**
Institute of Anatomy and Cell Biology, LMU Munich, DE
Title: „Regulation und Expression von PAR1A im Hühnerembryo“

2003 -2010 **Medical school at Ludwig-Maximilians-University Munich**
2010: Degree in human medicine (Staatsexamen)
2010: License to practice medicine (Approbation)

4. Academic Distinctions

- 2013 Poster Award of the Anatomical Society of Germany
(Anatomische Gesellschaft, DE)
- 2015 Bavarian Teaching Award 2015
(„Preis für gute Lehre Bayerns“)

5. Activities in the Research System and Memberships in scientific societies

- Speaker of the Young Anatomists, Anatomische Gesellschaft, DE
- Member of the Anatomische Gesellschaft, DE
- Co-founder of the network for lecturer at the LMU Munich:
MDN (Dozierendennetzwerk) <https://www.mdn-online.de/>
- Organization of annual interdisciplinary conferences of the MDN, since 10/2017

6. Others

- Certificate of higher education (Zertifikat Hochschullehre Bayern)
- Certification as trained tutor educator (Tutorenausbilderin: Tutor-Plus LMU)
- Certification as online educator/supervisor (e-Beraterin LMU)

7. Most important publications

1. Fuchs M, Radeva MY, Spindler V, Vielmuth F, **Kugelmann D***, Waschke J*. *contributed equally; Cytoskeletal anchorage of different Dsg3 pools revealed by combination of hybrid STED/SMFS-AFM. J. Cell Mol Life Sci. 2023 Jan 5;80(1):25. doi: 10.1007/s00018-022-04681-9. PMID: 36602635.
2. **Kugelmann D**, Anders M, Sigmund AM, Egu TD, Eichkorn RA, Yazdi AS, Sárdy M, Hertl M, Didona D, Hashimoto T, Waschke J. Role of ADAM10 and ADAM17 in the Regulation of Keratinocyte Adhesion in Pemphigus Vulgaris. Front. Immunol. 2022 Jun; 13:884248. Doi: 10.3389/fimmu.2022.884248.
3. **Kugelmann D**, Radeva MY, Spindler V, Waschke J. Desmoglein 1 Deficiency Causes Lethal Skin Blistering. J Invest Dermatol. 2019 Jul;139(7):1596-1599.e2. doi: 10.1016/j.jid.2019.01.002. Epub 2019 Jan 17.
4. **Kugelmann D**, Rötzer V, Walter E, Egu DT, Fuchs MT, Vielmuth F, Vargas-Robles H, Schnoor M, Hertl M, Eming R, Rottner K, Schmidt A, Spindler V, Waschke J. Role of Src and Cortactin in Pemphigus Skin Blistering. Front Immunol. 2019 Apr 4;10:626. doi: 10.3389/fimmu.2019.00626. eCollection 2019. PMID: 31024527
5. **Kugelmann D**, Rotkopf LT, Radeva MY, Garcia-Ponce A, Walter E, Waschke J. Histamine causes endothelial barrier disruption via Ca²⁺-mediated RhoA activation and tension at adherens junctions. Sci Rep. 2018 Sep 5;8(1):13229. doi: 10.1038/s41598-018-31408-3.
6. **Kugelmann D**, Waschke J, Radeva MY. Adducin is involved in endothelial barrier stabilization. PLoS One. 2015 May 15;10(5):e0126213. doi: 10.1371/journal.pone.0126213. eCollection 2015.
7. Fuchs M, **Kugelmann D**, Schlegel N, Vielmuth F, Waschke J. Desmoglein 2 can undergo Ca²⁺-dependent interactions with both desmosomal and classical cadherins including E-cadherin and N-cadherin. Biophys J. 2022 Feb 17:S0006-3495(22)00147-3. doi: 10.1016/j.bpj.2022.02.023. Epub ahead of print. PMID: 35183520.

8. Ungewiß H, Vielmuth F, Suzuki ST, Maiser A, Harz H, Leonhardt H, **Kugelmann D**, Schlegel N, Waschke J. Desmoglein 2 regulates the intestinal epithelial barrier via p38 mitogen-activated protein kinase. *Sci Rep.* 2017 Jul 24;7(1):6329. doi: 10.1038/s41598-017-06713-y. PMID: 28740231.
9. Bork F, Lehner A, Eck U, Navab N, Waschke J, **Kugelmann D**. The Effectiveness of Collaborative Augmented Reality in Gross Anatomy Teaching: A Quantitative and Qualitative Pilot Study, *Anat Sci Educ.* 2020 Sep 6. Doi:10.1002/ase.2016; PMID: 32892494.
10. Bork F, Stratmann L, Enssle S, Eck U, Navab N, Waschke J, **Kugelmann D**. The Benefits of an Augmented Reality Magic Mirror System for Integrated Radiology Teaching in Gross Anatomy. *Anat Sci Educ.* 2019 Jan 29. doi: 10.1002/ase.1864.