



24<sup>TH</sup> WORLD CONGRESS  
OF DERMATOLOGY  
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## **BRUCKNER-TUDERMAN LEENA**

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Head of the Department of Dermatology

### **Education and Employment Record**

#### **Academic Education and University Degrees**

- 1995: Board Exam and Habilitation in Dermatology, University of Muenster, Germany (in the EU)
- 1989: Board Exam and Habilitation in Dermatology, University of Zurich, Switzerland
- 1980 – 1983: Postdoctoral Research Fellow, Biocenter, University Basel, Switzerland
- 1977 – 1980: Postdoctoral Research Fellow, Rutgers Medical School, Piscataway, NJ, USA
- 1977: MD/PhD, Expt. Medicine, University of Oulu, Finland
- 1976: MD, University of Oulu, Finland

#### **Employment**

- Since 2003: Professor and Chair, Department of Dermatology, Medical Center – University of Freiburg
- 1993 – 2003: Professor / Senior staff member, Dermatology, University of Muenster
- 1984 – 1993: Resident & Senior staff member, Dermatology, University of Zurich

#### **Coordinating Functions (since 2003)**

- 2016 – present: Member of the “Forum Health Research” of the German Federal Ministry of Education and Research (BMBF)
- 2016 – present: Co-Program Spokesman Berta-Ottenstein-Program for Clinician Scientists, University of Freiburg
- 2016 – present: Deputy Editor, Journal of Investigative Dermatology
- 2012 – present: Vice President for Medicine, German Research Foundation (DFG)
- 2015 – present: Coordinator: “Repurposing biomolecules for the treatment of epidermolysis bullosa, EBThera” (European E-Rare Program)
- 2008 – 2011: Coordinator, “International Kindler syndrome network – Kindlernet” (European E-Rare Program)
- 2008 – 2013: Fellow and Director of “School of Life Sciences”, Freiburg Institute of Advanced



Studies (FRIAS)

### Scholarships / Awards / Honors (selected)

- 2017: Honorary doctorate, University of Oulu, Finland
- 2017: Honorary doctorate, Semmelweis University, Budapest, Hungary
- 2014: Distinguished Investigator Award, International Society of Matrix Biology
- 2012: Member of the Berlin-Brandenburg Academy of Sciences
- 2010: Member of the Heidelberg Academy of Sciences
- 2009: Eva Luise Köhler Prize for Research on Rare Diseases
- 2009: Chair, Gordon Research Conference "Collagens"
- 2008: Rudi Cormane Lecture, European Society for Dermatological Research
- 2007: Member of the German National Academy of Sciences Leopoldina
- 2007: Maria Duran Lectureship from the International Society for Dermatology
- 2002: Chair, Gordon Research Conference "Basement membranes"
- 2000 – 2001: Visiting Professor of Dermatology, Harvard Medical School
- 1994 – 1999: Heisenberg Fellowship from the German Research Foundation (DFG)

### Currently funded Projects

1) European E-Rare Program: "Repurposing biomolecules for the treatment of epidermolysis bullosa, EBThera"; 2) DEBRA International: REFLECT – A dual-center prospective exploratory phase II trial to establish safety, tolerability and efficacy of losartan in children with RDEB; 3) DEBRA International: Validation of Ruxolitinib, a FDA-approved pharmacological inhibitor of JAK1/2, as a therapeutic agent for dermal fibrosis and tumor invasion in RDEB; 4) DEBRA International: Anti-fibrotic mode of action and efficacy of TXA127 as disease modifying therapy for RDEB.

### Most important publications

1. Nyström A, Bornert O, Kühl T, Gretzmeier C, Thriene K, Dengjel J, Pfister-Wartha A, Kiritsi D, **Bruckner-Tuderman L**. 2018. Impaired lymphoid extracellular matrix impedes antibacterial immunity in epidermolysis bullosa. *Proc Natl Acad Sci U S A*. 2018 Jan 23;115(4):E705-E714. doi: 10.1073/pnas.1709111115
2. Mittapalli VR, Madl J, Löffek S, Kiritsi D, Kern JS, Römer W, Nyström A, **Bruckner-Tuderman L**. 2016. Injury-driven stiffening of the dermis expedites skin carcinoma progression. *Cancer Res* 76:940-51
3. Kumar V, Behr M, Kiritsi D, Scheffschick A, Grahner A, Homberg M, Schwieger-Briel A, Jakob T, **Bruckner-Tuderman L**, Magin TM. 2016. Keratin-dependent thymic stromal lymphopoietin expression suggests a link between skin blistering and atopic disease. *J Allergy Clin Immunol* 138:1461-1464
4. Nyström A, Thriene K, Mittapalli V, Kern JS, Kiritsi D, Dengjel J, **Bruckner-Tuderman L**. 2015. Losartan ameliorates dystrophic epidermolysis bullosa and uncovers new disease mechanisms. *EMBO Mol Med* 7:1211-28
5. Nyström A, Velati D, Mittapalli VR, Fritsch A, Kern JS, **Bruckner-Tuderman L**. 2013. Collagen VII plays a dual role in wound healing. *J Clin Invest* 123:3498-509
6. Küttner V, Mack C, Rigbolt KT, Kern JS, Schilling O, Busch H, **Bruckner-Tuderman L**, Dengjel J. 2013. Global remodelling of cellular microenvironment due to loss of collagen VII. *Mol*



*Syst Biol.* 9:657. doi: 10.1038/msb.2013.17

7. Has C, Spartà G, Kiritsi D, Weibel L, Moeller A, Vega-Warner V, Waters A, He Y, Anikster Y, Esser P, Straub BK, Hausser I, Bockenbauer D, Dekel B, Hildebrandt F, **Bruckner-Tuderman L**#, Laube GF#. 2012. Integrin  $\alpha$ 3 mutations with kidney, lung, and skin disease. *N Engl J Med* 366:1508-14
8. Franzke CW, Cobzaru C, Triantafyllopoulou A, Löffek S, Horiuchi K, Threadgill DW, Kurz T, van Rooijen N, **Bruckner-Tuderman L**, Blobel CP. 2012. Epidermal ADAM17 maintains the skin barrier by regulating EGFR ligand-dependent terminal keratinocyte differentiation. *J Exp Med* 209:1105-19
9. Fritsch A, Loeckermann S, Kern JS, Braun A, Bösl MR, Bley TA, Schumann H, von Elverfeldt D, Paul D, Erlacher M, Berens von Rautenfeld D, Hausser I, Fässler R, **Bruckner-Tuderman L**. 2008. A hypomorphic mouse model of dystrophic epidermolysis bullosa reveals mechanisms of disease and response to fibroblast therapy. *J Clin Invest* 118:1669-79
10. Franzke CW, Tasanen K, Schäcke H, Zhou Z, Tryggvason K, Mauch C, Zigrino P, Sunnarborg S, Lee DC, Fahrenholz F, **Bruckner-Tuderman L**. 2002. Transmembrane collagen XVII, an epithelial adhesion protein, is shed from the cell surface by ADAMs. *EMBO J* 21:5026-35