

## Lorenzen, Inken

### General Information

Name: Lorenzen, Inken  
Academic title: PD. Dr. rer. nat.  
Gender: Female  
Institute address: Institute of Biochemistry  
Christian-Albrechts-Universität zu Kiel  
Olshausenstr. 40  
D-24098 Kiel  
Homepage: <https://www.uni-kiel.de/Biochemie/scripte/dynamic/groups/lorenzen/research.php>  
Telephone number: 0431-880-5710  
E-Mail address: [ilorenzen@biochem.uni-kiel.de](mailto:ilorenzen@biochem.uni-kiel.de)



### Academic Education and Qualifications

1998-2003 Studies of Biochemistry and Molecular Biology, Christian-Albrechts Universität zu Kiel  
2003 Diploma thesis, Zentrum für Molekulare Biologie, Christian-Albrechts Universität zu Kiel, Prof. Dr. Ulf-Peter Hansen and PD Dr. Christoph Plieth  
2006 PhD thesis, Institute of Biochemistry, Christian-Albrechts-Universität zu Kiel, Prof. Dr. Joachim Grötzinger  
2013 Habilitation (Biochemistry), Medical Faculty, Christian-Albrechts-Universität zu Kiel

### Professional Career

2006-2007 Postdoctoral Scientist, Institute of Biochemistry, Christian-Albrechts-Universität zu Kiel  
2007-2008 Postdoctoral Scientist, Institute of Musculoskeletal Sciences, Nuffield Orthopaedic Centre, University of Oxford, UK  
since 2008 Junior group leader, Institute of Biochemistry, Christian-Albrechts-Universität zu Kiel

### Publications [5 most important publications out of >20 publications, H-index 9]

1. Düsterhöft S, Jung S, Hung CW, Tholey A, Sönnichsen FD, Grötzinger J and **Lorenzen I (2013)** Membrane-proximal domain of a disintegrin and metalloprotease-17 represents the putative molecular switch of its shedding activity operated by protein-disulfide isomerase. **J Am Chem Soc** 135: 5776-81.
2. **Trad A, Riese M, Shomali M, Hedeman N, Effenberger T, Grötzinger J and Lorenzen I (2013)** The disintegrin domain of ADAM17 antagonises fibroblast-carcinoma cell interactions. **Int J Oncol** 42: 1793-800.

3. Michalek M, Sönnichsen FD, Wechselberger R, Dingley AJ, Hung CW, Kopp A, Wienk H, Simanski M, Herbst R, **Lorenzen I**, Marciano-Cabral F, Gelhaus C, Gutschmann T, Tholey A, Grötzinger J and Leippe M (2013) Structure and function of a unique pore-forming protein from a pathogenic acanthamoeba. **Nat Chem Biol** 9: 37-42.
4. **Lorenzen I**, Lokau J, Düsterhoft S, Trad A, Garbers C, Scheller J, Rose-John S and Grötzinger J (2012) The membrane-proximal domain of A Disintegrin and Metalloprotease 17 (ADAM17) is responsible for recognition of the interleukin-6 receptor and interleukin-1 receptor II. **FEBS Lett** 586: 1093-1100.
5. **Lorenzen I**, Trad A and Grötzinger J (2011) Multimerisation of A disintegrin and metalloprotease protein-17 (ADAM17) is mediated by its EGF-like domain. **Biochem Biophys Res Commun** 415: 330-6. (IF: 2,484)