**Department:** Institute of Molecular and Cellular Anatomy (MOCA)  
**Job site:** RWTH Aachen University Hospital  
**Description of the position:** PhD Position: Epidermal Tissue Stability in Keratinopathy  
**Job description:**  
*Our profile*  
Research at MOCA deals with the cytoskeleton as a main integrator of cell and tissue function. Particular emphasis is on the use of morphological and functional imaging techniques in vital cells, tissues and organisms ([www.moca.ukaachen.de](http://www.moca.ukaachen.de)).  

*Your tasks*  
You will be part of the DFG-funded graduate school "Mechanobiology in Epithelial 3D Tissue Constructs" ([ME3T](https://me3t.rwth-aachen.de); me3t.rwth-aachen.de). You are expected to work in an interdisciplinary team with a keen interest in novel technological developments. Your project B2 "Consequences of disease-causing cytoskeletal mutations on epidermal tissue stability" combines 3D culture systems with state-of-the-art microscopy and mechanobiological analyses. You will monitor cytoskeletal keratin network dynamics, measure local mechanical properties and study mechanoresponses in wild-type and mutant keratinocytes grown as monolayers and epidermal equivalents.  

*Requirements / profile:* We are looking for a highly motivated and ambitious PhD student with a strong background in cell biology or mechanobiology. Knowledge in the fields of biomaterials, tissue engineering and microscopy is appreciated, but no prerequisite. The successful applicant must have completed a master or equivalent degree in biology, biomedical engineering or a comparable study program to be accepted either as a Dr. rer. nat. or Dr. rer. medic. candidate at RWTH Aachen University. Willingness for teamwork, the ability to work independently and excellent English language skills are expected.  

**Pay category:** TV-L 13 (65%)  
**Hiring date:** July 01, 2019  
**Duration of employment:** 3 years  
**Contact:**  
Univ.-Prof. Dr. Rudolf Leube  
Email: rleube@ukaachen.de, phone: +49 (0)241 80-89107  
Web: [www.moca.ukaachen.de](http://www.moca.ukaachen.de)  

Equal career prospects for women and men.  
Severely disabled applicants with equal qualification will be given preferential consideration.  
**Application deadline:** March 31, 2019 (apply via [https://me3t.rwth-aachen.de/positions](https://me3t.rwth-aachen.de/positions))