

Department:	Institute of Molecular and Cellular Anatomy (MOCA)
Job site:	RWTH Aachen University Hospital
Description of the position:	<b>PhD position: Epidermal Tissue Stability in Keratinopathy</b>
Job description:	<p><b>Our profile</b></p> <p>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 (<a href="http://www.moca.ukaachen.de">www.moca.ukaachen.de</a>).</p> <p><b>Your tasks</b></p> <p>You will be part of the DFG-funded graduate school "Mechanobiology in Epithelial 3D Tissue Constructs" (MEET; <a href="http://me3t.rwth-aachen.de">me3t.rwth-aachen.de</a>). 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.</p>
Requirements / Your profile:	<p><b>Your profile</b></p> <p>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.</p>
Pay category:	TV-L 13 (65%)
Hiring date:	July 01, 2022
Duration of employment:	3 years
Contact/Send application to:	Univ.-Prof. Dr. Rudolf Leube, Phone: +49 (0)241 80-89107 Email: <a href="mailto:rleube@ukaachen.de">rleube@ukaachen.de</a> <a href="http://www.moca.ukaachen.de">www.moca.ukaachen.de</a>
Equal career prospects for women and men.	
Severely disabled applicants with equal qualification will be given preferential consideration.	
<b>Application deadline: March 31, 2022</b>	