

The mission of the Cologne Excellence Cluster on Cellular Responses in Aging-associated Diseases (CECAD Cologne, coordinator: Prof. Jens Brüning) is to unravel the common molecular mechanisms underlying life span regulation and aging-associated diseases to set the ground to achieve its long-term objective of developing novel therapeutic measures. CECAD Cologne is a unique research venture unifying researchers at the University of Cologne with those at the Max Planck Institute for Biology of Aging.

To further strengthen and complement the joint research program **PhD and Postdoc positions** are offered by the newly established CECAD Cologne research group heads. They are offering interesting scientific projects, modern laboratories, state-of-the-art equipment and access to a suite of research facilities. Their working foci are:

Aleksandra Trifunovic: Her research focuses on the role of mitochondrial dysfunction in aging and age associated diseases. The model organisms used for these studies are transgenic mice and *C. elegans*.

Mirka Uhlirova: Her scientific focus is on understanding the molecular mechanisms of oncogene cooperation and on how the signaling network can be hijacked to cause cancer. She is working with the fruitfly *Drosophila*.

Björn Schumacher: His aim is to advance the knowledge of the fundamental role of DNA damage in aging and cancer. His research on DNA damage responses uses both the genetic model organism *C. elegans* and mammalian systems.

Thorsten Hoppe: His research field covers protein degradation in development and aging especially the ubiquitin/proteasome system. He uses *C. elegans* as a model organism.

The positions are immediately available, preliminary limited to a maximum period of three years and will be paid according to the German TV-L system E13/2 or E13.

Applicants should have a medical or biological university degree and an interest in aging research. Previous laboratory experience in basic biochemistry and molecular biology techniques are a prerequisite. Experience regarding animal models in health research are welcome.

The University of Cologne is an equal opportunity employer in compliance with the German disability laws. Women and handicapped persons are therefore strongly encouraged to apply.

Applicants should include a letter of interest, a curriculum vitae including publication list, a short statement of research interests, and contact information for at least three references. Please send your applications preferably by email (pdf) to: University of Cologne / CECAD Cologne - Excellent in Aging Research / at the Institute for Genetics / Zùlpicher Str. 47 / D-50674 Cologne / email according to the head of the workgroup: Aleksandra.Trifunovic@ki.se or mirka.uhlirova@uni-koeln.de or bjorn.schumacher@uni-koeln.de or thorsten.hoppe@zmn.uni-hamburg.de.

If you have further questions please do not hesitate to contact Christopher Schippers (c.schippers@uni-koeln.de). For more information about CECAD Cologne please visit www.cecad.uni-koeln.de.