The research group

**Proteostasis of Aging and Stem Cells (Vilchez Lab)**

is seeking applications from:

**2 Postdoctoral fellows (f/m)**

for a 5-year project committed to by the European Research Council (ERC).

Two Postdoc positions are available in the group of Dr. David Vilchez at the Cologne Excellence Cluster on Cellular Stress Responses in Aging-Associated Diseases-University of Cologne (CECAD).

Our group is interested in studying how human embryonic stem cells maintain the integrity of their proteome. Given the observation that embryonic stem cells replicate continuously in the absence of senescence, we hypothesize that these cells could provide a novel paradigm to study the regulation of proteostasis and its failure in aging. Our laboratory uses an innovative approach based on a combination of human stem cells research with genetic analysis in *C. elegans* and mouse models to uncover new mechanisms for extending longevity and healthspan.

The starting date is 01/04/2016 for an initial period of 2 years with the possibility to be extended up to 5 years in total. The salary will be according to TV-L13. For further information about our laboratory and the job offer, please contact Dr. David Vilchez and visit the Internet at:

- [http://vilchez.cecad-labs.uni-koeln.de/Home.545.0.html](http://vilchez.cecad-labs.uni-koeln.de/Home.545.0.html)
- [http://vilchezlab.com](http://vilchezlab.com)

**Location:** The research environment in the Cologne campus is stimulating and dynamic, and offers many interactions with other groups interested in aging research and integration in the Cluster of Excellence in Aging Associated Diseases (CECAD).

**Qualification:** The successful candidate must have a PhD in science (e.g., biology). We seek enthusiastic and highly motivated postdocs interested in stem cell and aging research. Fluency in written and spoken English is required. Experience in stem cell research, *C. elegans* or mouse models is an advantage but not necessary.

**How to apply:**

Candidates should send:

1) Curriculum vitae
2) Written summary of research achievements and research interests (max one page).
3) The contact details of three referees.

Applications should be sent by email as ONE pdf document to Dr. David Vilchez (dvilchez@uni-koeln.de).