In the framework of the Collaborative Research Centre (CRC) / Sonderforschungsbereich (SFB) 1218 on “mitochondrial regulation of cellular function” (www.sfb1218.uni-koeln.de), scientists from different research institutions in Cologne have teamed up to study how mitochondria influence activity, differentiation and survival of the cell. The CRC1218 has been funded by the German Research Foundation (DFG) since July 2016. In the framework of the CRC1218, the Riemer lab searches for a doctoral candidate. The Riemer lab (http://riemerlab.uni-koeln.de/) is part of the Institute for Biochemistry at the University of Cologne. Research in the Riemer laboratory focuses on different aspects of redox and mitochondrial biology. For example, we characterize the mechanisms of disulphide formation and hydrogen peroxide signalling in different cellular compartments. We are also interested in the physiological impacts of these processes for example in calcium and in metabolic signalling (Suzuki et al, Nature Comm. 2013, Petruangaro et al, Cell Metabolism, 2015, Habich et al, Cell Reports, 2019 and Calabrese et al, EMBO J, 2019).

YOUR TASKS
» The doctoral candidate will perform a wide variety of biochemical and cell biological experiments including unbiased -omics experiments and approaches with genetically encoded fluorescent proteins to uncover molecular mechanisms underlying different aspects of redox signalling from mammalian mitochondria.

YOUR PROFILE
» We search for a doctoral candidate with a background in molecular biology, biochemistry, molecular medicine or biological chemistry.
» Having worked on a topic focussing on molecular mechanisms of cellular processes during their Master thesis would be advantageous.
» Ability to plan experiments, develop methods and carry out analyses, and summarize results in English is a requirement.

WE OFFER YOU
» the doctoral candidate can build on the complementary expertise present in the CRC1218, on excellent state-of-the-art core facilities and the thriving highly interactive scientific environment in Cologne
» the candidate will expand his*her scientific horizon through participation in an interactive tailor-made educational program, the mito-RTG, that covers broad principles, and specific scientific and career development needs
» a diverse and fair working environment
» support in reconciling work and family life
» flexible working time models
» extensive advanced training opportunities
» occupational health management offers
» local transport ticket at a discount for UoC employees

The position is available from 1st of September 2020 or upon mutual agreement on a part-time basis (65%) and initially limited to two years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group TV-L 13 of the pay scale for the German public sector.

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please send your application including a Statement describing your motivation to join the Riemer lab, Detailed academic CV, certificates and transcripts of Bachelor and Master Studies as well as a short summary (1/2 page) of your Master thesis project. Please provide the names and contact details of two referees who can evaluate your academic ability and potential by email to jan.riemer@uni-koeln.de. The reference number is Wiss2007-10.

Please direct any enquiries and questions to Jan Riemer. The application deadline is 30 August 2020.