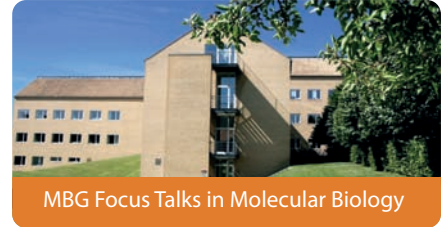


MBG FOCUS TALK

hosted by Tinna Stevnsner



Wednesday August 26, 2015 at 10.15-11.00

Build. 1510 room 213 (Chemical Institute, Aud. VI)

Prof. Pidder Jansen-Dürr

Universität Innsbruck, Institute for Biomedical Aging Research, Austria

Cellular senescence - molecules and mechanisms

My group works on the role of cellular senescence in human ageing with a particular emphasis on the role of mitochondria in both cellular senescence and ageing. Using senescence of i) human diploid skin fibroblasts as a model for skin ageing and ii) human endothelial cells as a model for ageing of the human vasculature, we performed various -omics approaches to identify candidate genes that play a role in modulating senescence. Suitable genes are then investigated in nematode and mouse models to clarify their function in general and their potential role in ageing in particular. Recently, we have also initiated some studies aiming at the experimental modulation of cellular senescence, with the ultimate goal to intervene in ageing processes, and potentially develop new experimental approaches to prevent and/or treat age-associated dysfunctions and diseases.