

Joint CECAD & CMMC Computational Biology in Ageing Research Seminars

Kasia Bozek

Center for Molecular Medicine Cologne (CMMC), Germany



**Wednesday, 26th January 2022
at 4:00 pm**

Videoconference

Host: Andreas Beyer
(CECAD)

Scientific Background:

2020 - present Junior group leaser, Center for Molecular Medicine Cologne (CMMC), Germany
2015 - 2019 Group leader within Greg Stephens lab, Okinawa Institute of Science and Technologie, Japan
2011 - 2015 Postdoctoral fellow, CAS-MPG Partner Institute for Computational Biology, Shanghai, China and Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2007 - 2011 PhD thesis, Max Planck Institute for Computer Sciences, Saarbrücken, Germany
2006 – 2007 Student, Institute for Theoretical Biology, Humboldt University, Berlin, Germany

Extracting quantitative information from image data.

About Bozek's talk:

Deep learning is pushing the limits of automated image analysis. In our lab we are interested in exploiting machine learning techniques for representing image and video data in a comprehensive and meaningful manner. In my talk I will present example projects from *C. elegans* and cancer research that illustrate the possibilities of encoding visual information in a label-free as well as in an interpretable manner.