

Thursday, June 20th

# Symposium

## W3 Professorship for Computational and Systems Biology of Aging and Aging-associated Diseases



Venue: CECAD, Joseph-Stelzmann-Str. 26, 50931 Köln, Lecture Hall

- 8:30 – 9:00 Carien Niessen Welcome & Introduction of CECAD
- 09:00 – 09:45 **Andre Altmann** (University College London, UK)  
*Lecture: „The three flavours of imaging genetics”*  
*“Combining imaging and genetics in dementia research”*
- 09:45 – 10:30 **Dan-Achim Ehninger** (DZNE, Bonn, Germany)  
*Lecture: “How to measure aging?”*  
*„Regulation of organismal aging trajectories”*
- 10:30 – 10:40 Coffee Break
- 10:40 – 11:25 **Christoph Kaleta** (Christian-Albrechts-University of Kiel, Germany)  
*Lecture: „The systems biology cycle: from data to therapy“*  
*„Model-driven elucidation of microbial drivers of aging”*
- 11:25 – 12:10 **Eunjung Alice Lee** (Harvard Medical School, Boston, USA)  
*Lecture: „Computational genomics of transposable elements and somatic mutations“*  
*“Decoding aging and neurodegeneration through single-cell genomics and transcriptomics”*
- 12:10 – 13:00 Lunch
- 13:00 – 13:45 **Michael Rera** (French National Centre for Scientific Research, Paris, France)  
*Lecture: „Rethinking the biology ageing“*  
*“Studying ageing as a two-phase process”*
- 13:45 – 14:30 **Duygu Ucar** (The Jackson Laboratory for Genomic Medicine, Connecticut, USA)  
*Lecture: „Immune aging“*  
*„Sex differences in immune aging and vaccine responses”*

Online Link:

<https://uni-koeln.zoom.us/j/93901793246?pwd=yPiBy4XnYXviu53ObhlhaL7QBxRunC.1>



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