

For the 6th time, the Institute for Biostatistics and Informatics in Medicine and Ageing Research is organizing a workshop on Bioinformatics in Aging Research. For the 3rd time, it takes place as a satellite to the Ageing Meeting organized by Andreas Simm every other year.

This time, we are very happy that Joao Pedro de Magalhaes agreed to give a keynote presentation; Pedro has been working in the field for a very long time, and he developed a wide array of truly useful resources, such as GenAge, DrugAge and many others, available as part of the Human Ageing Genomic Resources (HAGR), at <https://genomics.senescence.info>.

The second keynote will be by Vadim Gladyshev, who is also well-known in the field, e.g. for comparative genomics, and for investigations into aging mechanisms such as redox regulation. Vadim will also give a talk at the main meeting.

Furthermore, a lot more exciting topics will be covered, in part by other speakers of the main meeting (but with a focus on bioinformatics), and in part by speakers who you can only listen to at the Bioinformatics Satellite.

The images in this flyer feature the results of some health interventions such as caloric restriction and senolysis, and some potentially senotherapeutic food.

Kind Regards
Prof. Dr. Georg Fuellen

Program

- 9:15-9:45 Axel Kowald:
On senescence, senotherapy and biomarkers
- 9:45-10:15 Johannes Ptok:
High concentration of low-density lipoprotein results in disturbances in mitochondrial transcription and functionality in endothelial cells
- 10:15-10:45 Babette Bartling:
Sex-related differences in human plasma NAD⁺/NADH levels depend on age
- 10:45-11:15 Sushma-Nagaraja Greltscheid:
The landscape of gene expression changes during mouse ageing and dietary restriction
- 11:15-11:45 Cavin Ward-Caviness:
The Environmental Determinants of Epigenetic Aging and Mortality Risk

Lunch break

- 13:30-14:15 Joao Pedro de Magalhaes:
Computational biology approaches for research on aging

- 14:15-14:45 Oleh Lushchak:
Ferulic acid esters extend the lifespan and improve the memory in elder animals

- 14:45-15:15 Karl Lenhard Rudolph:
Increased retinoic acid metabolism in niche cells causes muscle stem cell aging

Coffee

- 15:30-16:15 Vadim Gladyshev:
Systems biology of aging and lifespan control

- 16:15-16:45 María Moreno-Villanueva:
On MARK-AGE data
Tiisqui suntis sandest,

At 18:00h the main meeting will start, please see:

<http://www.medizin.uni-halle.de/index.php?id=3709>

Map



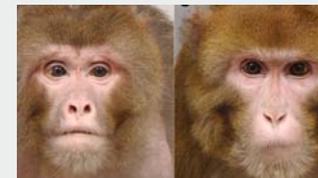
Venue

Hörsaal 8, Magdeburger Str. 8, Halle/Saale.

The workshop is free of charge. Nevertheless, please register, just send email to

bioinfo@med.uni-rostock.de.

Please register before Tuesday Sep 8; then coffee/tea/water will be provided, it will be based on the number of participants known by then. There will be a lunch break, but no catering; we'll go into town together, for Web: <https://sites.google.com/site/ageingbioinfo>



Universitätsmedizin Rostock
rechtsfähige Teilkörperschaft der Universität Rostock
Institut für Biostatistik und Informatik
in Medizin und Altersforschung
Ernst-Heydemann-Str. 8 · 18057 Rostock

bioinfo@med.uni-rostock.de

Bioinformatics in Ageing Research: Satellite Workshop

Friday, September 13th 2019, 9-17h

followed by the 9th Ageing Meeting in Halle, Sept 13-15, 2019