

# International Conference on BIOLOGICAL AGING FROM THE PERSPECTIVE OF PHYSICS, INFORMATION SCIENCE AND LIFE SCIENCES

Jacobs University Bremen, July 16-20, 2018

## Invited speakers (\* confirmed)

**Andre Barato\*** MPI f. Physik Komplexer Systeme, Dresden  
**Juan P. Garrahan\*** University of Nottingham  
**Sebastian Goldt\*** Saclay, France  
**Campbell Gourlay\*** University of Kent , Canterbury  
**Christian Hammann\*** Jacobs University Bremen  
**Nan Hao\*** UC San Diego, U.S.A.  
**Henrik J.Jensen\*** Imperial College London  
**Feng Liu\*** Nanjing University, China  
**Michel Pleimling\*** Virginia TECH Blacksburg , U.S.A.  
**Sonja J. Prohaska\*** Universität Leipzig  
**Felix Ritort\*** University of Barcelona  
**Jos Rohling\*** LUMC, Leiden  
**Dipanjan Roy\*** NBRC, Manesar, India  
**Paolo Sibani\*** Syddansk Universitet, Odense  
**Nicholas E. Stroustrup\*** CGR, Barcelona  
**Pieter Rein ten Wolde\*** AMOLF Amsterdam  
**Gasper Tkačik\*** IST Austria, Klosterneuburg  
**Ala Trusina\*** Niels Bohr Institutet, Copenhagen  
**David Wolpert** Santa Fe Institute, New Mexico , U.S.A.

## Topics include

- **Aging of matter and materials**
- **Aging on the individual and collective level: from bacteria to ecological systems**
- **Aging of the human brain from the perspective of neuroscience and nonlinear dynamics**
- **Genetic basis of lifespan and longevity: Aging on the genetic and cellular level**
- **Biological processes as error-prone transfer and transformation of information**
- **Trade-off between costs, speed and precision in biological networks**

### Organizers

*Hildegard Meyer-Ortmanns*

Jacobs University Bremen

*Jordi Garcia-Ojalvo*

Universitat Pompeu Fabra, Barcelona

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We invite applications from PhD students, postdocs and colleagues with background in biophysics, information science, neuroscience, systems biology or genetics with an interest in the versatile manifestations of aging, considered from novel perspectives.

For further details please visit:

<https://conference-bioaging-2018>

Contact: [b.berninghausen@jacobs-university.de](mailto:b.berninghausen@jacobs-university.de)



**Application deadline: May 30, 2018**