



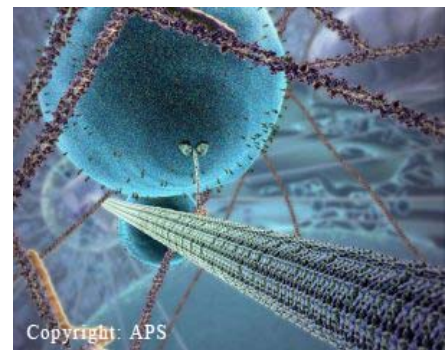
# Theory and Modeling of Complex Systems in Life Sciences

18-22 September 2017, Saint Petersburg, Russia

Life sciences offer new challenges for the 21st century that require international collaborations and interdisciplinary scientific approaches. The structural and dynamical complexity is ubiquitous in various biological systems, from individual cells to organs, organisms, human and animal populations. This complexity urges for versatile mathematical and theoretical physics tools from probability theory, stochastic and differential equations, statistics, condensed matter and statistical physics, on one hand, and significant experimental and technological progress for observing life complex systems on the other hand. The conference aims at gathering the world leading experts in mathematics, physics, and biology to present and discuss the most recent advances in the theory and modeling of complex systems in life sciences. The scientific talks will be accessible to a broad interdisciplinary audience and students.

## Invited speakers

- V. Avetisov (Semenov Institute of Chemical Physics, RAS, Russia)
- E. Barkai (Bar Ilan University, Israel)
- D. Calebiro (University of Würzburg, Germany)
- A. Chechkin (Institute for Theoretical Physics, Ukraine)
- M. Dahan (ENS de Paris, France)
- M. Filoche (CNRS, France)
- T. Franosch (Institut für Theoretical Physics, Austria)
- D. Heinrich (Fraunhofer-Institut für Silicatforschung ISC, Germany)
- D. Holcman (ENS de Paris, France)
- E. Katrukha (Utrecht University, The Netherlands)
- V. Kiselev (University Medical Center Freiburg, Germany)
- C. Manzo (La Universitat de Vic, Spain)
- R. Metzler (Postdam University, Germany)
- R. Monasson (ENS de Paris, France)
- D. Novikov (NYU Langone Medical Center, USA)
- K. Polovnikov (Moscow State University, Russia)
- J. Prost (Institut Curie, France)
- M. Samsonova (Saint Petersburg Polytechnic University, Russia)
- B. Sapoval (CNRS, France)
- A. Serov (Pasteur Institute, France)
- M. Tamm (Moscow State University, Russia)
- V. Teif (University of Essex, UK)
- S. Traytak (Semenov Institute of Chemical Physics, Russia)
- R. Voituriez (UPMC, France)
- V. Volpert (Institut Camille Jordan, France)
- A. Wylomanska (Wroclaw University of Technology, Poland)



## Scientific organizers

- D. Grebenkov (CNRS, France)
- S. Nechaev (CNRS, France)
- S. Smirnov (University of Geneva, Switzerland)

## The Euler International Mathematical Institute

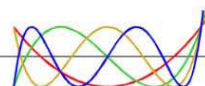
Address: Pesochnaya nab. 10,  
St.Petersburg 197022, Russia

Participation is free of charge, but the  
online registration is mandatory.

Further information on the website:  
[www.inadilic.fr/conference-2017/](http://www.inadilic.fr/conference-2017/)



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