

26-28 May, 2014

Skolkovo Innovation Center «HyperCube»

Skoltech

Skolkovo Institute of Science and Technology

Skoltech Biomedical Conference: Towards Therapies of the Future

Monday, May 26th

- 12:00 **REGISTRATION:** Skolkovo Innovation Center, Hypercube, 1st floor.
- 12:30-13:30 Transfer from Slavyansky Boulevard metro station to the Hypercube. Please look for Skoltech representative at the metro exit. Buses leave at 12:30, 12:50, 13:10, and 13:30.  
**CONFERENCE:** 4th Floor, Main Congress Hall
- 13:45 **WELCOMING REMARKS & INTRODUCTION OF PANEL DISCUSSION**  
**Raj Rajagopalan**, Ph.D., Professor, Provost and Senior Vice President for Academic Affairs, Skoltech  
**Bruce Tidor**, Ph.D., Professor of Biological Engineering and Computer Science, Massachusetts Institute of Technology; Faculty Lead, MIT-Skoltech Initiative
- 14:00 **PANEL DISCUSSION:** The future of biomedical research in the Russian Federation
- 15:10 **BREAK**
- 15:20 **KEYNOTE ADDRESS**  
Introduction: **Anton Berns**  
**Shinya Yamanaka**, 2012 Nobel Prize in Physiology or Medicine  
Recent Progress in iPS Cell Research and Application
- 16:30 **COFFEE BREAK:** Open space, 1st & 2nd floor
- 17:00 **KEYNOTE ADDRESS**  
Introduction: **Victor Kotelianski**  
**Phillip A. Sharp**, 1993 Nobel Prize in Physiology or Medicine  
Long non-coding RNAs and Divergent Transcription
- 18:15 **CONCLUDING REMARKS:** **Anton Berns**
- 18:20-19:30 **RECEPTION:** Open space, 1st & 2nd floor  
Transfer to Slavyansky Boulevard metro station (buses leave at 18:30, 19:00 and 19:30).

Tuesday, May 27th

- 08:30 Transfer from Slavyansky Boulevard metro station to the Hypercube.  
Please look for Skoltech representative at the metro exit.  
**CONFERENCE:** 4th Floor, Main Congress Hall
- 09:20 **OPENING REMARKS** by moderators: **Sergey Kiselev** and **Peter Lansdorp**
- 09:30 **Rudolf Jaenisch**, Ph.D., Founding Member and Professor, Whitehead Institute and Professor of Biology, Massachusetts Institute of Technology  
**iPS Cell Technology, Gene Editing and Disease Research**
- 10:10 **Richard A. Young**, Ph.D., Professor of Biology, Whitehead Institute and MIT  
**Transcriptional Control of Cell Identity**
- 10:50 **COFFEE BREAK:** Open space, 1st & 2nd floor
- 11:15 **Peter W. Reddien**, Ph.D., Faculty Member, Whitehead Institute; Associate Professor of Biology, MIT and Howard Hughes Medical Institute Investigator  
**The cellular and molecular basis for regeneration in planarians**
- 11:55 **Peter Lansdorp**, Ph.D., Professor of the Biology of Ageing and Scientific Director of the European Research Institute on the Biology of Ageing (ERIBA) of the University Medical Center Groningen  
**Genome-wide mapping of DNA rearrangements in single cells using DNA template strand sequencing**
- 12:35 **LUNCH:** Open space, 1st & 2nd floor  
**POSTER SESSION:** Open space, 1st & 2nd floor

- INDUSTRIAL BIOMED ROUND TABLE:** 3rd floor
- 14:30 **Sergey Kiselev**, Ph.D., Dr. Sci, RAS, Co-Director in Vavilov Institute of General Genetics  
**Investigation of human induced pluripotent stem cells identity and disease modeling utility**
- 15:10 **Gerald de Haan**, Ph.D., Professor of Stem Cell Biology, Scientific Co-Director of the ERIBA, University Medical Center, University of Groningen  
**Aging of hematopoietic stem cells**
- 15:50 **COFFEE BREAK:** Open space, 1st & 2nd floor
- 16:15 **Eugene Berezikov**, Ph.D., Group Leader, ERIBA, University Medical Center, University of Groningen  
**Developing the flatworm *Macrostomum lignano* as a model organism for research on stem cells, regeneration and ageing**
- 16:55 **Alexander van Oudenaarden**, Ph.D., Professor of Quantitative Biology of Gene Regulation, Hubrecht Institute  
**Single-cell transcript counting in stem cells: from imaging to sequencing one molecule at a time**
- 17:35 **CONCLUDING REMARKS:** **Sergey Kiselev** and **Peter Lansdorp**  
Transfer to Slavyansky Boulevard metro station

Wednesday, May 28th

- 08:30 Transfer from Slavyansky Boulevard metro station to the Hypercube.  
Please look for Skoltech representative at the metro exit.  
**CONFERENCE:** 4th Floor, Main Congress Hall
- 09:20 **OPENING REMARKS** by moderators: **Daniel G. Anderson** and **Alexander Kabanov**
- 09:30 **Daniel G. Anderson**, Ph.D., Samuel A. Goldblith Associate Professor, Chemical Engineering and Institute for Medical Engineering and Science, Koch Institute for Integrative Cancer Research at Massachusetts Institute of Technology  
**Biomaterials for Cellular and Tissue Engineering**
- 10:10 **Jianzhu Chen**, Ph.D., Cottrell Professor of Immunology, Koch Institute for Integrative Cancer Research at Massachusetts Institute of Technology  
**Polymeric Antivirals of Influenza Viruses**
- 10:50 **COFFEE BREAK:** Open space, 1st & 2nd floor
- 11:20 **Ram Sasisekharan**, Ph.D., Alfred H. Caspary Professor of Biological Engineering & Health Sciences and Technology, Koch Institute for Integrative Cancer Research at Massachusetts Institute of Technology  
Approaches for characterization and surveillance of influenza A viruses
- 12:00 **Victor Kotelianski**, MD, Ph.D., Director of Center for RNAi Therapeutics & Functional Genomics, Skoltech  
**In Vivo RNAi and Functional Genomics**
- 12:40 **LUNCH:** Open space, 1st & 2nd floor
- 13:40 **Olga A. Dontsova**, Ph.D., Dr. Sc., Professor of Biochemistry and Molecular Biology, Head of Laboratory of Nucleoprotein Chemistry, Department of Chemistry, M.V. Lomonosov Moscow State University  
**Unusual features of telomerase RNA**
- 14:20 **Alexander Kabanov**, Ph.D., Dr. Sc., Director, Center for Nanotechnology in Drug Delivery, Mescal S. Ferguson Distinguished Professor, Co-Director, Carolina Institute for Nanomedicine, University of North Carolina  
**Polymeric micelles for drug delivery**
- 15:00 **CONCLUDING REMARKS:** **Anton Berns**  
Transfer to Slavyansky Boulevard metro station