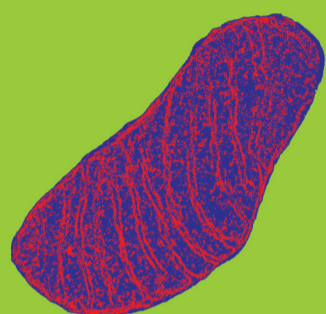


# Frontiers OF Science



**AUTUMN SEMINARS 2018**

## SEPTEMBER

### September 6<sup>th</sup>

**Dr. Alexey Amunts, Stockholm University, Sweden**  
*Exposing molecular transformers in organelles at atomic resolution by cryo-EM*  
 Host: Paula Mulo (pmulo@utu.fi)

### September 13<sup>th</sup>

**IN ARJE SCHEININ AUDITORIUM, DENTALIA 2<sup>nd</sup> FLOOR**  
**Dr. Ivo Hendriks, University of Copenhagen, Denmark**  
*The evolution of SUMO proteomics*  
 Host: Leila Rato (leila.coelhorato@abo.fi)

## OCTOBER

### October 4<sup>th</sup>

**Prof. Martin Frith, National Institute of Advanced Industrial Science and Technology AIST, Tokyo, Japan**  
*DNA sequence rearrangements in evolution and disease*  
 Host: Sofia Khan (sofia.khan@utu.fi)

### October 11<sup>th</sup>

**IN ARJE SCHEININ AUDITORIUM, DENTALIA 2<sup>nd</sup> FLOOR**  
**Prof. Arben Merkoçi, Institut Català de Nanociència i Nanotecnologia, Barcelona, Spain**  
*Nanomaterials-based biosensors for diagnostics applications*  
 Host: Johan Bobacka (jbobacka@abo.fi)

### October 25<sup>th</sup>

**Prof. Beat Imhof, University of Geneva, Switzerland**  
*Tumor angiogenesis: molecular aspects from two angles*  
 Host: Sirpa Jalkanen (sirpa.jalkanen@utu.fi)

## NOVEMBER

### November 1<sup>st</sup>

**Dr. Yu Shrike Zhang, Harvard Medical School, Boston, USA**  
*Microphysiological systems for emulating human tissues and diseases*  
 Host: Hongbo Zhang (hongbo.zhang@abo.fi)

### November 8<sup>th</sup>

**Prof. Erav Elinav, Weizmann Institute of Science, Rehovot, Israel**  
*Interactions between genetics, innate immune system and gut microbiota at the frontier of personalized medicine*  
 Host: Eveliina Munukka (laevmu@utu.fi)

### November 22<sup>nd</sup>

**Prof. Janine Erler, University of Copenhagen, Denmark**  
*ECM regulation of cancer metastasis*  
 Host: Johanna Ivaska (johanna.ivaska@utu.fi)

### November 29<sup>th</sup>

**Prof. Masaaki Komatsu, School of Medicine Niigata University, Japan**  
*Liver autophagy, its physiology and pathology*  
 Host: Eeva-Liisa Eskelinen (eva-liisa.eskelinen@utu.fi)

## DECEMBER

### December 20<sup>th</sup>

**Dr. Danijela Vignjevic, Institute Curie, Paris, France**  
*Imaging cell migration in gut homeostasis and cancer*  
 Host: Johanna Ivaska (johanna.ivaska@utu.fi)

**FRONTIERS OF SCIENCE SEMINARS ORGANISED BY BIOCITY TURKU RESEARCH PROGRAMMES:**  
 Advanced Bioresources and Smart Bioproducts – Towards Sustainable Bioeconomy; Biomaterial and Medical Device Research Programme; Computational and Molecular Methodologies for Life Sciences; Diagnostic Technologies and Applications; Lifespan of Cardiovascular, Inflammatory, Endocrine & Metabolic Disorders - LIFESPAN; Receptor Programme; Translational Infectious Disease and Immunity Research Programme

**AND BY DOCTORAL PROGRAMMES:**

Doctoral Programme in Biology, Geography and Geology (BGG, UTU); Doctoral Programme in Clinical Research (DPCR, UTU); Doctoral Programme in Molecular Life Sciences (DPMLS, UTU); Drug Research Doctoral Programme (DRDP, UTU); Finnish Doctoral Program in Oral Sciences (FINDOS, UTU); National Doctoral Programme in Informational and Structural Biology (ISB, ÅAU); Turku Doctoral Network in Molecular Biosciences (MolBio, ÅAU); Turku Doctoral Programme of Molecular Medicine (TuDMM, UTU)

**ORIGINAL IMAGE "MAGIC DANCE" BY KAI-LAN LIN**  
 Healthy human mitochondria imaged with transmission electron microscope 2013. Image processed by thresholding and color fills.

**FURTHER INFORMATION**

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**TURKU BIONET SEMINAR CALENDAR**

<https://www.biocity.turku.fi>

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