

Frontiers ^{OF} Science



AUTUMN SEMINARS 2023

Thursdays at 12:00 in Presidentti auditorium, BioCity.

On-site only, no registration needed. Coffee and sandwich served at 11:45.

SEPTEMBER

September 28th

Prof. Robert J. Woods, the University of Georgia, USA
Applying computational simulations in the design of carbohydrate-binding proteins
Host: Tiina Salminen (tiina.salminen@abo.fi)

OCTOBER

October 26th

Prof. Alpha Yap, University of Queensland, Australia
Mechanical communication and epithelial homeostasis
Host: Guillaume Jacquemet (guillaume.jacquemet@abo.fi)

NOVEMBER

November 2nd

Francesc Villarroya, University of Barcelona, Spain
Advancing the knowledge on the secretory role of brown adipose tissue: new actors, new actions
Host: Pia Rantakari (piaranta@utu.fi)

November 9th

Academician Merja Penttilä, VTT Technical Research Centre of Finland Ltd
Biosynthetic materials
Host: Eva-Mari Aro (evaaro@utu.fi)

November 23rd

Prof. Olivier de Wever, Cancer Research Institute Ghent, University of Ghent, Belgium
Exploring patient-derived models to advance personalized oncological care
Host: Jyrki Heino (jyrki.heino@utu.fi)

November 30th

Prof. Roberta Croce, Vrije Universiteit Amsterdam, Netherlands
Breaking the red limit: driving oxygenic photosynthesis with far-red light
Host: Yagut Allahverdiyeva-Rinne (allahve@utu.fi)

DECEMBER

December 14th

MD Tuomas Tammela, Sloan Kettering Institute; Memorial Sloan Kettering Cancer Center, US
Functional interrogation of intra-tumoral heterogeneity
Host: Klaus Elenius (klaele@utu.fi)

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ORIGINAL IMAGE ACQUIRED BY ANNA-MARI HAAPANEN-SAARISTO: Part of anoxia study of Eutardigrade species *Macrobiotus Ripperi* labelled with commercial fluorescent dyes, image acquired on 3i CSU-W1 Spinning disk with 40x objective. **FURTHER INFORMATION:** +358 40 5658 654 | biocityturku@bioscience.fi | <https://www.biocityturku.fi> **TURKU BIONET SEMINAR CALENDAR:** <https://www.biocityturku.fi>

FRONTIERS OF SCIENCE SEMINARS ARE ORGANISED BY BIOCITY TURKU RESEARCH PROGRAMS: Biomaterials and Medical Devices Research Program (BioMed); Cell Communication Research Program (CellCom); Computational and Molecular Methodologies for Life Sciences (CompLifeSci); Turku Biological and Medical Imaging Research Program (Field of View); Microbes and Immunity Research Program (MIRP); The Multiverse of Immune System (MIST); Advanced Bioresources and Smart Bioproducts (SmartBIO); Etiology, Prevention and Treatment of Metabolic, Endocrine and Developmental Disorders (TREMENDO).

AND BY DOCTORAL PROGRAMMES: Doctoral Programme in Biology, Geography and Geology (BGG, UTU); Doctoral Programme in Clinical Research (DPCR, UTU); Doctoral Programme in Technology (DPT, 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). We acknowledge Faculty of Medicine Postgraduate Education Unit (PGE) for funding FoS Seminars.