

XXIV Gliwice Scientific Meetings – virtual meeting
Preliminary scientific program

Friday, 20th November 2020

9.00 – 9.15 Opening of the conference and welcome addresses

9.15 – 11.30 Session I “**Proteomics and Metabolomics**”

(session co-organized by the Polish Proteomics Society)

Chairman – Piotr Widłak

Piotr Widłak (*NRIO, Gliwice*): SEMPRA - Serum metabolome profiling in breast cancer risk assessment: introduction into the Polish-Norwegian project.

Guro Giskeødegård (*NTNU, Trondheim*): Serum metabolomics for risk assessment and treatment monitoring of breast cancer.

May-Britt Tessem (*NTNU, Trondheim*): Tissue multi-omics - why and how in Prostate Cancer.

Michał Mikula (*NRIO, Warszawa*): Gut multi-omics profiling in Crohn's disease.

Anna Wojakowska (*ICHB-PAN, Poznań*): Metabolomic and proteomic approach for predicting response to neoadjuvant radiotherapy of colorectal cancer.

Dariusz Rakus (*Wrocław University, Wrocław*): Quantitative proteomics to study brain aging and rejuvenation.

Piotr Suder (*University of Science and Technology, Kraków*): ZIKA NS2B-NS3 protease activity studied by iTRAQ labeling with nanoLC-MS/MS analysis.

Wojciech Cypriak (*CMMS-PAN, Łódź*): Proteomic and bioinformatic investigations of extracellular vesicles secreted during inflammatory response.

11.30 – 11.45 Break

11.45 – 14.45 Session II “**RNA in Regulation Processes**”

Chairman – Joanna Rzeszowska

Markus Kretz (*University of Regensburg, Regensburg*): Mechanisms of long non-coding RNA-mediated control of tissue homeostasis.

Jan Medenbach (*University of Regensburg, Regensburg*): Cell stress-mediated regulation of translation induces chemoresistance.

Daniele Hasler (*University of Regensburg, Regensburg*): From miRNAs to RNA modifications: emerging functions of the La-related proteins (LARPs) in RNA biology.

Gunter Meister (*University of Regensburg, Regensburg*): Characterisation of RNA-modifying enzymes and their roles in cancer progression.

Eric Miska (*University of Cambridge, Cambridge, United Kingdom*): title pending.

Fatima Gebauer (*Centre for Genomic Regulation, Barcelona*): The Complex Life of RNA

Joanna Rzeszowska-Wolny (*Silesian University of Technology, Gliwice*): Role of miRNA in translation of non-targeted transcripts.

14.45 – 15.05	Break
15.05 – 16.45	Session III “ Bioinformatics and Mathematical Modeling ” Chairman – Marek Kimmel

Philipp Altrock (*Moffitt Cancer Center, Tampa*): Evolutionary dynamics of public goods games in cell populations

Marek Kimmel (*Rice University, Houston*): Modeling field effects in bladder cancer.

Joanna Polanska (*Silesian University of Technology, Gliwice*): Gene set enrichment for reproducible science.

Tomasz Lipniacki (*IPPT-PAN, Warszawa*): Innate immune response to viral infection at single-cell and population level.

16.45 – 17.00	Break
17.00 – 19.00	Session IV “ Biotechnology in Medicine ” Chairman – Marek Łos

Dipanjan Chowdhury (*Harvard Medical School, Boston*): *title pending*

Mohsen Akbari (*University of Victoria, Vancouver*): Localized delivery systems for management of glioblastoma.

Anna M. Czarnecka (*NRIO, Warszawa*): Why immunologist should become interested in sarcoma?

Katarzyna Szoltysek (*Princess Maxima Center, Utrecht*): Whole-genome CRISPR screen identifies mechanism of relapse in patient-derived paediatric ALL sample.

Anna Walaszczyk (*Newcastle University, Newcastle*): Therapeutic potential of senolytics in age related cardiovascular diseases.

Saturday, 21st November 2020

9.30 – 11.30	Virtual Poster Session Short presentations of selected posters (to be announced after 10 th November)
11.30 – 11.45	Break
11.45 – 12.15	Presentation of awarded posters
12.15 – 12.30	Closing remarks

XXIV Gliwice Scientific Meetings is a virtual meeting, which will be organized via the ZOOM platform. All registered participants will receive valid links to this platform (there is no registration fee). Please register for the meeting via the conference web page: <http://gsn.io.gliwice.pl/>

The deadline for registration and abstract submission: 10th November 2020.