

# from gene to phenotype

advances in molecular biology  
and biomedicine

MARCH 19-21, 2018,  
Poznań, Przybyszewskiego 37a str.

## Deciphering genomes and gene expression mechanisms

March 19, 2018

- 9.30-10.10 **Bozena Kaminska** (Nencki Institute) – Deciphering the human genome – hopes and challenges  
10.10-10.50 **Maciej Wiznerowicz** (Great Poland Oncology Center, Poznań) – TCGA Legacy: Multi-Omics Studies in Cancer  
10.50-11.20 Coffee break  
11.20-12.00 **Piotr Kazmierczak** (CENT-University of Warsaw, Warsaw) – Molecular mechanisms of sensory hair cell homeostatic regulation in hearing and deafness  
12.00-12.40 **Anita Abu-Daya** (University of Portsmouth, UK) – Xenopus as tools for understanding gene regulation and function  
12.40-13.20 **Rafał Płoski** (Medical University of Warsaw) – Application of NGS in understanding mechanisms of genetic diseases  
13.20-14.00 Lunch break  
14.00-14.15 **Gaurav Sharma** (Thermo Fisher Scientific) – Cryo-Electron Microscopy: An indispensable solution for Structural Biology  
14.15-14.55 **Dariusz Gorecki** (University of Portsmouth, UK) – Dystrophin: The dead calm of a dogma  
14.55-15.45 **Tomasz Stokłosa** (Medical University of Warsaw) – Lessons from the studies on the pathogenesis of chronic myeloid leukemia  
15.45-16.15 **Sebastian Glatt** (Malopolska Centre of Biotechnology, Jagiellonian University) – Tuning protein production using tRNA modifications

## RNA and DNA world

March 20, 2018

- 9.00- 9.40 **Artur Jarmolowski** (Adam Mickiewicz University, Poznań) – Coupling of RNA Polymerase II transcription elongation with pre-mRNA splicing  
9.40-10.20 **Joanna Wesoly** (Adam Mickiewicz University, Poznań) – Genetic characterization of Polish ccRCC patients  
10.20-11.00 **Jerzy Pieczykolan** (R&D Department, Celon Pharma) – Development of innovative drugs – from theory to practice  
11.00-11.30 Coffee break  
11.30-12.10 **Zofia Szwejkowska-Kulinska** (Adam Mickiewicz University, Poznań) – Posttranscriptional regulation of microRNA expression in Arabidopsis plants  
12.10 -12.50 **Hans Bluyssen** (Adam Mickiewicz University, Poznań) – STATs in inflammation: transcriptional control and therapeutical target  
12.50-13.30 Lunch break  
13.30-14.10 **Andrzej Dziembowski** (Institute of Biochemistry and Biophysics/Warsaw University) – Exosome and RNA degradation  
14.10-14.50 **Jacek Kuznicki** (International Institute of Molecular and Cell Biology, Warsaw) – Animal models to understand brain diseases  
14.50-15.30 **Bozena Kaminska** (Nencki Institute, Warsaw) – How to decipher epigenetic code?  
15.30-16.10 **Adrianna Magalska** (Nencki Institute, Warsaw) – Chromatin and nuclear architecture remodeling – a new mechanism of epigenetic regulation in the brain

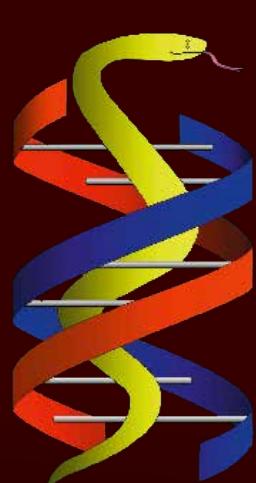
## Genetics and translational medicine

March 21, 2018

- 9.00- 9.40 **Michał Witt** (Institute of Human Genetics, Polish Academy of Sciences, Poznań) – Ciliary disorders: how many genes and what they do?  
9.40-10.20 **Tomasz Stokowy** (University of Bergen, Norway) – Deciphering genetic disorders: human genome sequencing and results follow-up  
10.20-11.00 **Tomasz Burzykowski** (Hasselt University, Hasselt, Belgium) – In the quest for biomarkers: pitfalls, errors, and how to avoid them by using statistics  
11.00-11.30 Coffee break  
11.30-12.10 **Wojciech Fendler** (Medical University of Lodz) – Serum microRNAs as biomarkers of high-dose irradiation  
12.10-12.50 Lunch break

## Workshop on biostatistics

- 12.50-15.20 **Wojciech Fendler** (Medical University of Lodz) – Interactive workshop on biostatistics (personal computers required)



### Venue:

Congress and Didactic Center of the  
Karol Marcinkowski Medical University

### Organizers:

Postgraduate School of Molecular  
Medicine, International Institute  
of Molecular Oncology

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