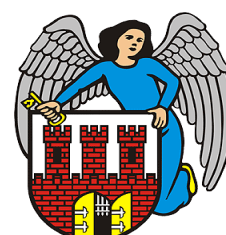


BIT18 Program

Thursday, June 28 th Venue: Institute of Physics UMK, Grudziadzka 5 street, Toruń; COK Lecture Hall	
12:00 - 13:25	Registration
12:30 - 13:25	Lunch (included in registration fee)
13:25 - 13:30	Conference opening / Welcome
13:30 - 14:45	Session I
13:30 - 14:15	Opening lecture: Cristian Coarfa, Baylor College of Medicine, Houston, US "Deciphering the host/microbiome interaction: a Multi-Omics perspective"
14:15 - 14:45	David Kreil, BOKU University, Vienna, Austria "Next-Generation Onco-Panels - Opportunities and Challenges in Targeted Capture DNA and RNA Sequencing"
14:45 - 15:00	Coffee break
15:00 - 16:00	Session II
15:00 - 15:45	Alexandre Reymond, Center for Integrative Genomics, University of Lausanne, Switzerland "Intra- and inter-chromosomal chromatin interactions mediate genetic effects on regulatory networks"
15:45 - 16:00	Clémence Réda, École Normale Supérieure Paris-Saclay, Paris, France "Automated Inference of Gene Regulatory Networks Using Explicit Regulatory Modules"
16:00 - 18:00	Poster session & Coffee break (world Cup Poland-Japan football game)
17:50 - 17:55	Conference PHOTO at entrance to the Institute of Physics
18:00 - 19:00	Session III
18:00 - 18:30	Marta Łuksza, Icahn School of Medicine, Mount Sinai, New York, US "Predicting cancer evolution from immune interactions"
18:30 - 19:00	Rafał Płoski, Warsaw Medical University, Warsaw, Poland "Whole exome and whole genome sequencing for discovery of novel human diseases"
19:05 - 19:45	PTBI Board of Directors meeting (for the Board only)
20:00 - 22:00	Conference Banquet/Get together in " MONKA Restaurant ", Piekary 2 street. Old Town (food included, sponsor: City of Torun)
Friday, June 29 th Venue: Institute of Physics UMK, Grudziadzka 5 street, Toruń; COK Lecture Hall	
9:00 - 10:15	Session IV
9:00 - 9:30	Internet Lecture (from Vietnam) Duc-Hau Le, Thuyloi University, Hanoi, Vietnam "Drug response prediction based on - omics data"
9:30 - 10:15	Lars Juhl Jensen, University of Copenhagen, Copenhagen, Denmark "Network biology: Large-scale data integration and text mining"
10:15 - 10:45	Coffee break
10:45 - 12:30	Session V
10:45 - 11:30	Jarek Meller, Cincinnati Children`s Hospital Medical Center and University of Cincinnati, Cincinnati, US "Library of Integrated Network-based Cellular Signatures As a Resource for Precision Medicine"
11:30 - 12:00	Paweł Łabaj, MCB Cracow, Cracow, Poland "Pushing state-of-the art in transcriptomics and metagenomics on the road to personalized medicine"
12:00 - 12:30	Tomasz Gambin, Warsaw University of Technology, Warsaw, Poland "Accurate detection of known disease variants using targeted sequencing data"
12:30 - 14:30	Lunch (included in registration fee) Free sightseeing tour in English (13:00-14:30)



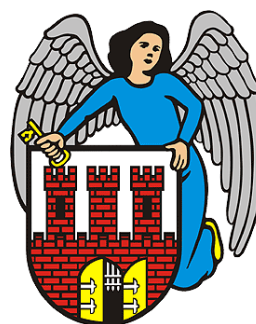
Friday, June 29th Venue: Institute of Physics UMK, Grudziadzka 5 street, Toruń; **COK Lecture Hall**

15:00 - 16:20	Session VI
15:00 - 15:30	Krzysztof Kuczera, University of Kansas, Lawrence, Kansas, US "Non-exponential peptide kinetics: modeling and experiment"
15:30 - 15:50	Mirosław Kwaśniewski, Medical University of Białystok, Białystok, Poland "Bioinformatics solutions for precision oncology: the MOBIT project"
15:50 - 16:20	Wojciech Branicki, Jagiellonian University, Cracow, Poland "Forensics intelligence through DNA analysis – how genomics is strengthening forensics"
16:20 - 17:00	Poster session & Coffee break
17:00 - 18:30	Session VII
17:00 - 17:30	Sławomir Filipek, University of Warsaw, Warsaw, Poland "G-protein-coupled receptors - novel structures and activation routes"
17:30 - 17:40	Przemysław Miszta, University of Warsaw, Warsaw, Poland "GPCRM: A New Tool for GPCR Modeling"
17:40 - 17:55	Rafał Jakubowski, CENT, University of Warsaw, Warsaw, Poland "What computers do not want to tell us (yet) about proteins? TBC"
17:55 - 18:10	Paweł Sztromwasser, Medical University of Lodz, Lodz, Poland "ReMuS: a web-based tool for searching pathogenic variants in tissue-specific regulatory regions"
18:10 - 18:30	Magdalena A. Machnicka, Institute of Informatics, University of Warsaw, Warsaw, Poland "Identification of single nucleotide variants associated with Alzheimer's disease accompanied by characterization of chromatin states in human brain"
20:00 - 23:00	Conference social "pierogi & a bit of something else" gathering at Restaurant "Pierogrania Stary Toruń" , Most Pauliński 2 street. Old Town. Note: food not included in the registration fee

Saturday, June 30th Venue: Institute of Physics UMK, Grudziadzka 5 street, Toruń;

8:30 - 14:30	Coffee break
8:30 – 10:30	Workshop I , Computer room no V (PK5) Piotr Śliwa, Anna Macioszek i Clémence Réda, MIM, University of Warsaw, Poland "Introduction to Machine Learning in python - scikit-learn overview".
TBA	Workshop II Witold Rudnicki, University of Białystok, ICM, UW, Aneta Polewka-Klin, University of Białystok, Białystok, Poland "Introduction to Features Selection"
TBA	Workshop III Lars Juhl Jensen, University of Copenhagen, Copenhagen, Denmark "MICROBIOME & Text Mining"
TBA	Workshops IV Krzysztof Kuczera, University of Kansas, Kansas, US "Membrane protein modeling with CHARMM-GUI: Web-based graphical user interface for CHARMM"
TBA	Workshops V Przemysław Miszta, Warsaw University, Warsaw Poland "Introduction to GPCRM - a membrane protein structure prediction homology modeling web service"

Sponsors:



City of Toruń