

5th Polish Illumina SymposiumThursday 15th & Friday 16th October 2015
 Adam Mickiewicz University, Faculty of Biology
 ul. Umultowska 89
 61-614 Poznań

Venue: Aula

Event location: Collegium Biologicum

Thursday 15th October**SEMINAR SCHEDULE**

9:30	Registration	
10:00	Welcome and introduction	
10:10	Updates and new developments	Florian Graedler, Illumina
10:40	Mechanoevolution of <i>Escherichia coli</i> : from Gram-negative toward Gram-positive strain	Kinga Matuła, Institute of Physical Chemistry, PAS, Warszawa
11:15	Atlantic salmon Illumina 7K SNP array in southern Baltic <i>Salmonidae</i> studies	Rafał Bernaś, The Stanisław Sakowicz Inland Fisheries Institute, Olsztyn
11:50	<i>De-novo</i> characterization of T-cell receptor repertoire in a non-model rodent	Magdalena Migalska, Evolutionary Biology Laboratory, AMU, Poznań
12:25	Coffee break	
12:40	STAT2-mediated transcriptional responses and chromatin interactions in type I IFN signaling	Katarzyna Błaszczuk, Department of Human Molecular Genetics, AMU, Poznań
13:15	Chromosomal aberrations in clear cell renal cell carcinoma tumors	Katarzyna Kluzek, Department of Human Molecular Genetics, AMU, Poznań
13:50	Ancient DNA extraction from the inner ear part of human petrous bone - genomic diversity and admixture of Polish Neolithic populations using Illumina® MiSeq and NextSeq platforms	Paulina Borówka, Biobank Lab, Department of Molecular Biophysics/Department of Anthropology, University of Lodz
14:25	Lunch	
14:50	The influence of genomic SNP array and NIPT on the diagnostic yield in prenatal cytogenetic testing	Małgorzata Srebniak, Erasmus MC, Rotterdam
15:35	Analysis of cell-free DNA in metastasized cancer patients using next-generation sequencing	Peter Ulz, Institute of Human Genetics, Medical University of Graz
16:20	Big Data from Patients: Computational Methods in Cancer Research	Matthias Schlesner, Division Theoretical Bioinformatics, Computational Oncology Group, German Cancer Research Center, Heidelberg
17:05	Mosaic Loss Of chromosome Y (LOY), cancer risk, and smoking; explanation to why males live shorter than females?	Jan Dumanski, Department of Molecular Oncology, Uppsala University
18:10	Departure for a dinner	HOTEL WŁOSKI

Friday 16th October
SEMINAR SCHEDULE

09:30	Organisational issues	Registration desk
10:00	WISECONDOR: detection of fetal aberrations from shallow sequencing maternal plasma based on a within-sample comparison scheme	Roy Straver, VU Amsterdam
10:30	Base Space – software applications	Jay Patel, Illumina
11:15	Coffee break	
11:45	Base Space - Illumina workshop: 3 applications	Jay Patel, Illumina
13:45	Lunch	