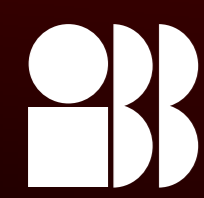
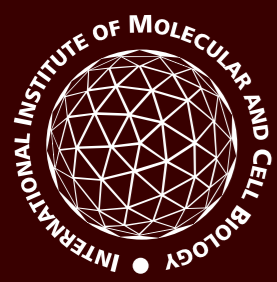


# from gene to phenotype

## Interdisciplinary research in molecular biology and biomedicine

**Organizing Committee:** Magdalena Boguta (*Institute of Biochemistry and Biophysics, MPD*), Agnieszka Dobrzyn (*Nencki Institute, MPD*), Bozena Kaminska (*Nencki Institute, Postgraduate School of Molecular Medicine, MPD*), Jacek Kuznicki (*International Institute of Molecular and Cell Biology, FP7 HEALTH-PROT*)



### Miejsce kursu:

Międzynarodowy Instytut Biologii  
Molekularnej i Komórkowej,  
ul. Ks. Trojdena 4, 02-109 Warszawa

### Kontakt:

**Studium Medycyny Molekularnej,**  
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Program, karta zgłoszenia i szczegóły  
na temat kursu na stronie internetowej

[www.smm.edu.pl](http://www.smm.edu.pl)

9.00-9.40	<b>Jakub Golab</b> (Warsaw Medical University) – Molecular mechanisms of the antitumor effects of anti-CD20 antibodies	March 28, 2012
9.40-10.20	<b>Agnieszka Dobrzyn</b> (Nencki Institute, Warsaw) – Fatty acids, gene expression and diabetes	
10.20-11.00	<b>Tibor Harkany</b> (Karolinska Institute, Sweden) – Identification of protein networks conferring cannabis sensitivity in developing neurons	
11.00-11.30	Coffee break	
11.30-12.10	<b>Alicja Jozkowicz</b> (Jagiellonian University, Krakow) – Progenitor cells: tool and target for angiogenic therapy	
12.10-12.50	<b>Arkadiusz Piotrowski</b> (Medical University, Gdansk) – Custom designed genomic microarrays in studies of genetic disorders	
12.50-13.40	Lunch break	
13.40-14.20	<b>Markus Eszlinger and Ralf Paschke</b> (Leipzig University) – From gene expression of thyroid tumors to molecular fine needle aspiration diagnostics of thyroid nodules	
14.20-15.00	<b>Asla Pitkanen</b> (Kuopio University) – uPAR-interactome: A journey from microarray to understanding its role in epileptogenesis	
15.00-15.30	Coffee break	
15.30-16.10	<b>Leszek Kaczmarek</b> (Nencki Institute, Warsaw) – From gene to phenotype: MMP-9 and neuronal plasticity	
16.10-16.50	<b>Jerzy Duszynski</b> (Nencki Institute, Warsaw) – Mitochondria in health and disease	

### Cellular RNA and DNA machineries

March 29, 2012

9.00-9.35	<b>Joanna Kufel</b> (University of Warsaw) – All RNAs great and small
9.35-10.10	<b>Magdalena Boguta</b> (Institute of Biochemistry and Biophysics) – Molecular basis of Maf1-regulated RNA polymerase III transcription
10.10-10.45	<b>Magdalena Dziembowska</b> (Nencki Institute, Warsaw, PAN) – Dendritic mRNAs: transport, translation and function in synaptic plasticity
10.45-11.15	Coffee break
11.15-11.50	<b>Włodzimierz Krzyzosiak</b> (Institute of Bioorganic Chemistry, Poznan) – RNA as toxic agent and therapeutic target in neurodegenerative poly-Q diseases.
11.50-12.25	<b>Jozef Dulak</b> (Jagiellonian University, Krakow) – MicroRNAs in stem cells and disease
12.25-13.00	<b>Artur Jarmolowski</b> (Adam Mickiewicz University, Poznan) – MicroRNA biogenesis and function in plants
13.00-13.40	Lunch break
13.40-14.15	<b>Frederick Allain</b> (Institute for Molecular Biology and Biophysics, ETH Zürich, Switzerland) – Insight into alternative-splicing mechanisms from NMR structures of protein-RNA complexes
14.15-14.50	<b>Marcin Nowotny</b> (International Institute of Molecular and Cellular Biology in Warsaw) – Introduction to structural biology – crystallography of RNases H
14.50-15.20	Coffee break
15.20-15.55	<b>Adam Godzik</b> (Sanford-Burnham Medical Research Institute, USA) – Mapping the protein universe with structural genomics
15.55-16.30	<b>Roel M. Schaaper</b> (Research Triangle Park, USA) – Mutagenic consequences of altered DNA precursor pools
16.30-17.05	<b>Janusz M. Bujnicki</b> (International Institute of Molecular and Cellular Biology in Warsaw, and Adam Mickiewicz University, Poznan) – Structural bioinformatics of RNA

### Chromatin, gene expression and system biology

March 30, 2012

9.00-9.40	<b>Michelle Goodhardt</b> (Institut Universitaire d'Hématologie, Université Paris 7 Denis Diderot) – Epigenetics of hematopoietic differentiation
9.40-10.20	<b>Bozena Kaminska</b> (Nencki Institute, Warsaw) – Transcriptional and epigenetic control of inflammation
10.20-11.00	<b>Claes Wadelius</b> (Uppsala University, Sweden) – Next generation ChIP-seq applied to HepG2 cells
11.00-11.30	Coffee break
11.30-12.10	<b>Peter Fraser</b> (Babraham Institute, Cambridge, UK) – Nuclear dynamics
12.10-12.50	<b>Grzegorz Wilczynski</b> (Nencki Institute, Warsaw) – Dynamic architecture of the neuronal cell nucleus
12.50-13.40	Lunch break
13.40-14.20	<b>Bartek Wilczynski</b> (University of Warsaw) – Chromatin state dynamics in developmental transcription regulation
14.20-15.00	<b>Alexander Kel</b> (geneXplain, Germany) – From motifs to pathways. How cracking gene regulatory code can help to find drug targets?
15.00-15.40	<b>Lucjan Wyrwicz</b> (Oncology Center, Warsaw) – Integrative genomics in drafting of biological networks.
15.40-16.00	<b>Urszula Wyrzykowska</b> (International Institute of Molecular and Cellular Biology in Warsaw) – Presentation of HEALTH-PROT project "Proteins in Health and Disease"