

# 2013 Autumn School on Computational Aspects of Gene Regulation



Warsaw Center  
of Mathematics  
and Computer Science



13-19 Oct. 2013  
Będlewo, Poland

## Speakers:

**David Arnosti**, University of Michigan, East Lansing  
**Julien Gagneur**, LMU Gene Center, Munich  
**Wolfgang Huber**, EMBL, Heidelberg, Germany  
**Artur Jarmołowski**, Adam Mickiewicz University, Poznań  
**Uwe Ohler**, Duke University, Durham and Max Delbrück Center, Berlin  
**Shyam Prabhakar**, Genome Institute of Singapore, Singapore  
**Zofia Szweykowska-Kulińska**, Adam Mickiewicz University, Poznań  
**Martin Vingron**, MPI for Molecular Genetics, Berlin  
**Bartek Wilczyński**, University of Warsaw,  
**Limsoon Wong**, National University of Singapore, Singapore

## Topics:

- Epigenetic modifications in gene expression, histone mark networks
- Post-transcriptional regulation by small RNAs and RNA binding proteins
- *De novo* annotation of genomic features, systems genetics
- Regulatory genomics, modeling TF-DNA binding affinity
- Applying classical signal processing techniques to NGS Data,
- Alternative splicing and microRNA in regulation of gene expression
- Differential expression analysis and multiple hypothesis testing
- *Cis*-regulatory elements in development, fractional TF occupancy models
- Network reconstruction, chromatin domains in gene expression regulation
- Disease gene expression and proteomic profile analysis

Local organizers: Jerzy Tiurny and Bartek Wilczyński  
tiurny@mimuw.edu.pl bartek@mimuw.edu.pl

Registration deadline **April 30th 2013**,

Webpage: <http://bioputer.mimuw.edu.pl/2013-school/>

**Travel fellowships available!**