



**Agilent Technologies**



**Erasmus+**

**AAALifeSci**



## THE WORKSHOP VENUE

### OPENING

Auditorium 1, Euroregional Centre of Pharmacy, Mickiewiczza 2D; level 0

### PROCEEDINGS

Auditorium 1, Euroregional Centre of Pharmacy, Mickiewiczza 2D; level 0

### PRACTICAL COURSES

Euroregional Centre of Pharmacy, Mickiewiczza 2D; 2<sup>nd</sup> level

## ORGANIZATION

*Department of Analytical Chemistry  
Faculty of Pharmacy  
Medical University of Białystok*

*Euroregional Centre of Pharmacy  
Mickiewiczza 2d, Białystok, Poland*

*Tel. +48 (85) 7485708*

*Tel. +48 (85) 7485707*

*Fax +48 (85) 7485882*

*E-mail: [analchem@umb.edu.pl](mailto:analchem@umb.edu.pl)*



**30.06.-02.07.2016**

**Białystok  
POLAND**

**1<sup>st</sup> International workshop**

**Omics  
in biomedical sciences**

**Multimomics**

## 30.06.2016 [Thursday] – day 1

18.00 - Registration

19.00 - Welcome reception  
and exhibition

### EXHIBITION

An integral part of the Workshop will include the display of equipment, materials and instruments of chromatography as well as of other type, made by leading Polish and foreign professional producers.



## 1.07.2016 [Friday] – day 2

09:00 – 09:15

Welcome address

*Prof. Elżbieta Skrzydlewska  
The Dean of Faculty of Pharmacy*

09:15 – 9:45

NGS - novel technology in genomics, transcriptomics and epigenetics

*Dr Adrien Puppo, France*

9:45 – 10:15

Oligonucleotides arrays in cancer research

*Dr Oksana Kowalczyk, Poland*

10:15–10:30

*Coffee break*

10:30 – 11:15

New dimension in measuring metabolism

*Dr Maria Torvinen, Netherlands*

11:15– 12:15

An Integrated Multi-Omics Approach for Biological Research.

*Dr Shaun Bilsborough, UK*

12:15 – 12:45

Changes in protein structure after UV cells irradiation – introduction to Multi-omics examinations.

*MD Agnieszka Gęgotek, Poland*

12:45 - 14:00

*Lunch*

14:00 – 14:45

Integrative data analysis solution for multi-omics research. Correlation of genomic, proteomic and metabolomic data in determination of changes in metabolic pathways.

*Dr Łukasz Nowicki, Poland*

14:45 – 15:05

Recognition of the dualistic ROS role put new challenges for evaluation of OS: do the conventional biomarkers suffice. Multi-omics as alternative.

*Prof. Olha Yelisyeyeva, Ukraine*

15:05 – 15:30

Metabolic effects of sildenafil in incident and prevalent patients with pulmonary arterial hypertension.

*Dr Krystyna Semen, Ukraine*

## 2.07.2016 [Saturday] – day 3

### Practical courses

9:00 – 14:00

Proteomics application for examinations of metabolic alterations

9:00 – 14:00

Lipidomic approaches for examinations of lipid alterations

*Workshops in cooperation  
with Perlan Technologies*

14:00–14:15

Closing remarks

