



## Selected topics in omics (in a nutshell)

11<sup>th</sup> June 2019 (Tuesday),  
9.00 – 18.00 room 106 (lectures), labs 14, 15  
Food Science Building, Poznań University of Life Sciences,  
Wojska Polskiego 31, 60-624 Poznań

Time	Topic	Speaker
9.00 – 9.45	Introduction to the course - what is „omics” all about?	Henryk Jeleń/Vladimiro Cardenia
9.45 – 10.30	Tools for omics analyses – an intro to chromatography	Henryk Jeleń
10.30 – 10.45	Tools for omics analyses – an intro to mass spectrometry	Henryk Jeleń
10.45 – 11.30	Lipidomics - goals and analytical workflow	Vladimiro Cardenia
11.30 – 12.15	- Why to use lipidomic analysis?	
12.15 – 13.00	- How to prepare the sample	
	- Analysis of samples - Application of lipidomic analysis - Case studies	
13.00 – 14.00	Small hall of the University Cafeteria	Lunch
14.00 – 14.45	Volatilomics – goals and analytical workflow	Henryk Jeleń
14.45 – 15.30		
15.30 – 16.15	Lab: volatilomics/ Lab: lipidomics*	Henryk Jeleń/Vladimiro Cardenia
16.15 – 16.30	Lab: volatilomics/ Lab: lipidomics*	
16.30 – 17.15	Lab: lipidomics*/ Lab: volatilomics	Vladimiro Cardenia/Henryk Jeleń
17.15 – 18.00	Lab: lipidomics*/ Lab: volatilomics	

\*Lipidomics lab: determination of the main lipid classes (FFA, MAGs, free sterols, DAGs, estrified sterols and TAGs)

Coffee breaks as needed, lunch at a students' canteen, all materials will be provided in a printed form.  
Depending on the number of participants two groups will have labs simultaneously, then swap, so everyone will have a chance to take part in both labs

### Speakers:

**Prof. Henryk Jeleń**, Faculty of Food Science and Nutrition, Poznań University of Life Sciences, Poznań, Poland

**Assoc. Prof. Vladimiro Cardenia**, Department of Agricultural, Forest and Food Sciences, University of Turin, Italy

THANKS FOR SUPPORT



Poznań University of Life Sciences