

EU_FT-ICR_MS 2nd Advanced User School

September 26 - 30, 2021

Institute of Microbiology, Prague and Centre BIOCEV, Vestec, Czech Republic









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Prague, 26 - 30 September 2021

Program

26th September, Sunday

16:00 – 18:00	Registration @ IMIC – hotel EMMY, Prague			
18:00 – 21:00	Welcome reception @ Restaurant "On the green meadow", Prague			
27 th September, Monday				
8:30 – 9:00	Opening			
9:00 – 10:20	Carlos Afonso "The beautiful friendship of IMS and FT-ICR mass spectrometry for complex mixtures analysis"			
10:20 - 10:40	Coffee break			
10:40 – 12:00	Carlos Cordeiro "Metabolomics - Revealing the Biochemical Fingerprints of Life"			
12:00 – 13:00	Lunch			
13:00 – 14:20	Guillaume Van der Rest "Combination of FT-ICR mass spectrometry and spectroscopy for the characterization of ion structures"			
14:20 – 15:40	Maria Elisa Crestoni "Exploring the intrinsic properties of bioinorganic complexes by Ion-Molecule Reactions"			
15:40 – 16:00	Coffee break			
16:00 – 17:20	Christopher Rüger "Ionization schemes and techniques in FT-ICR MS: From commercial towards customized solutions"			
17:20 – 18:30	Short presentations of participants			
18:30 – 21:00	Dinner and poster section			



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28th September, Tuesday

9:00 - 10:20

Group A: Petr Man and Petr Novák "Structural proteomics – Hydrogen-deuterium exchange and stable covalent labeling"

Group B: Hands on – FT-ICR MS sample analysis / Top down of proteins / Data interpretation

Group C: Guided tour – Imaging methods (Fluorescence and Electron microscopy) and Structural biology (Structural mass spectrometry, X-ray crystallography, Small angle X-ray scattering and biophysical techniques)

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Group C: Petr Man and Petr Novák "Structural proteomics – Hydrogen-deuterium exchange and stable covalent labeling"

13:00 – 14:00	Lunch
14:00 – 17:30	Sightseeing tour "Karlštejn castle"
19:00 – 23:00	Boat trip and course dinner



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29th September, Wednesday

25 September, Weariesday			
9:00 – 10:20	Peter O'Connor "Current capabilities in 2DMS on FTICR mass spectrometers"		
10:20 - 10:40	Coffee break		
10:40 – 12:00	Maria Andrea van Agthoven "The Benefits of 2D-Mass Spectrometry for Protein Structural Characterization"		
12:00 – 13:30	Lunch		
13:30 – 15:00	Marc-André Delsuc "Elements of data analysis in 1D and 2D FTICR-MS data"		
15:00 – 15:20	Coffee break		
15:20 – 16:40	Janne Janis "Principle and practice of native mass spectrometry"		
16:40 – 18:00	Short presentations of participants		
18:00 – 21:00	Dinner and poster section		

30th September, Thursday

9:00 – 10	0:20	Evgeny Nikolaev "FT ICR cell: How to make the best"
10:20 – 2	L0:40	Coffee break
10:40 – 1	12:00	Mathias Witt "Petroleomics – from crude oil to asphaltenes"
12:00 – 2	L3:00	Lunch
13:00 – 2	L4:20	Christian ROLANDO "FT-ICR MS for Cultural Heritage"
14:20 – 2	L5:00	Prize awards and Closing