

# FIRST SHORT COURSE OF THE EU FT-ICR MS NETWORK

ATMOSPHERIC PRESSURE  
IONIZATION TECHNIQUES FOR HIGH  
RESOLUTION MASS SPECTROMETRY  
OF COMPLEX SAMPLES

## When?

5-7 March 2018

## Where?

University of Rostock  
Research building LL&M  
Albert-Einstein-Strasse 25  
18059 Rostock

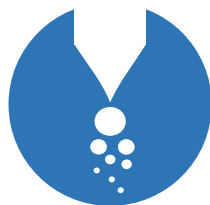


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## Overview of the program



**Tutorial Lectures**  
Basics of FT-ICR MS  
using atmospheric  
pressure ionization



**Instrument demos**



**Hands-On Exercises**  
Electrospray  
ionization (ESI) and  
Atmospheric  
pressure chemical  
ionization (APCI)



**Data analysis**  
Comparison of  
ionization features  
of ESI, APCI and  
GC- APCI/  
Atmospheric  
pressure photo  
ionization (APPI)  
samples;  
In parallel: running  
GC – APCI/APPI  
measurements



## Schedule for the first short course

Atmospheric pressure ionization  
techniques for high resolution mass  
spectrometry of complex samples

Tuesday 6.3. 9:00 – 11:00	Welcome and start with tutorial lecture (basics of FT-ICR MS using atmospheric pressure ionization)
11:00 – 12:00	Lab tour (2 groups)
12:00 – 13:00	Lunch
13:00 – 15:00	Hands on – Electrospray ionization (direct infusion)
15:30 – 17:00	Hands on – Atmospheric pressure chemical ionization
18:30 -22:00	Social event (guided tour downtown Rostock) and dinner
Wednesday 7.3. 9:00 – 12:00	Data analysis of ESI, APCI and GC- APCI/APPI samples – comparison of ionization features In parallel: running GC – APCI/APPI measurements
12:00 – 13:00	Lunch
13:00 – 14:00	Closing meeting and wrap up