

PROGRAM IPSC-2019 (24th – 28th March)

Sunday 24 th March	
15:00 -18:00	Registration
18:00 - 18:30	Opening Ceremony <ul style="list-style-type: none"> • Hartwig Schulz (Chair IPSC-2019, JKI, Germany) • Frank Ordon (President JKI, Germany) • Karl Mühling (President DGQ, Germany) • András Gorzsás (Head ISPS, Umeå University, Sweden)
Ca. 18:30	Plenary lecture Spectroscopy in plant-animal interactions": looking at the natural world as a herbivore William Foley
Ca. 20:00	Icebreaker
Monday 25 th March	
Session 1: NIR and FTIR Spectroscopy / Imaging (am)	
<i>Plenary lecture S1</i> Hand-held vibrational spectrometers: state-of-the art instrumentation and novel applications Heinz Siesler	
<i>Invited lecture S1</i> Recent advances in vibrational spectroscopic imaging studies of medicinal plants Christian Huck	
<i>Short lectures and coffee break</i>	
Lunch break	
Session 2: Hyperspectral imaging / Remote sensing (pm)	
<i>Plenary lecture S2</i> Hyperspectral imaging in combination with chemometric data analysis - a powerful tool in the quality control of herbal medicines Ilze Vermaak	
<i>Invited lecture S2</i> Multiscale and multimodel spectral imaging for mapping cell wall polymers in plant organs Marie-Françoise Devaux	
<i>Short lectures and coffee break</i>	
General meeting of DGQ members	
Tuesday 26 th March	
Session 3: Raman Spectroscopy / Imaging (am)	
<i>Plenary lecture S3</i> Raman imaging of plant cell wall: where we stand and how to move forward Notburga Gierlinger	
<i>Invited lecture S3</i> Raman microscopy combined with AFM to get a deeper insight into complex biological samples Malgorzata Baranska	
<i>Short lectures and coffee break</i>	
Lunch break	
Session 4: Chemometrics (pm)	
<i>Plenary lecture S4</i> Multivariate analytical strategies for spectral data of plants András Gorzsás	
<i>Invited lecture S4</i> Experimental design considerations for developing spectroscopic calibration models of plant material Claudia Beleites	
<i>Short lectures and coffee break</i>	
Poster session	

Wednesday 27th March**Session 5: GC-/LC-MS profiling (am)***Plenary lecture S5*

Cheminformatics tools to query metabolomics across species genotypes and metabolic modules

Oliver Fiehn*Invited lecture S5*

Climate effects: changes in the tea metabolome

Albert Robbat*Short lectures and coffee break***Lunch break****Session 6: NMR spectroscopy / Imaging (pm)***Plenary lecture S6*

NMR in plant science - methods and selected examples

Bernd Schneider*Invited lecture S6*

An overview of NMR applications in metabolite profiling of small molecules for plant metabolism studies

Catherine Deborde*Short lectures and coffee break***Social dinner – boat tour on the river Spree**

(Departure ca. 19:00)

Thursday 28th March**Session 7: MS imaging (am)***Plenary lecture S7*

MS Imaging in plant analysis

Aleš Svatoš*Short lectures and coffee break*

12:00 – 12:30

Summary of poster highlights

Torsten Meiners

12:30

Closing remarks

Hartwig Schulz