

## 15.10.2016 | THURSDAY

8.00-18.15 **Registration**

9.15-9.30 **Opening**

9.30-10.15 **Keynote lecture 1:** Matthias Hamburger (Basel, Switzerland)  
*Discovery and characterization of pharmacologically and toxicologically relevant natural products in medicinal plants*

**10.15-11.30 | SESSION 1** | Chair: Oana Cioanca, Marcelo Kern

10.15- 10.50 **Plenary lecture 1:** Christian Zidorn (Kiel, Germany)  
*What are the minimum requirements with regards to botany to guarantee reproducible studies in plant natural products?*

10.50- 11.10 **SL1:** Maryam Jamshidi-Aidji (Gießen, Germany)  
*Direct bioautography linked to mass spectrometry: a streamlined strategy for discovery and bioquantification of natural antibiotics*

11.10- 11.30 **SL2:** Sylwester Ślusarczyk (Puławy, Poland)  
*Practical aspects of using metabolomic approach in medicinal plants analysis*

11.30-11.50 **Coffee**

**11.50-13.15 | SESSION 2** | Chair: Sebastian Granica, Annemarie Lippert

11.50-12.25 **Plenary lecture 2:** Igor Jerković (Split, Croatia)  
*The challenges of volatiles screening: Selected topics on artefacts origin*

12.25-12.45 **SL3:** Piotr Kuś (Wrocław, Poland)  
*The headspace volatiles as chemical markers of fir honeydew honey with medical potential*

12.45-13.05 **SL4:** Maja Friščić (Zagreb, Croatia)  
*Chemotaxonomic investigation of *Globularia L. taxa**

13.05-13.25 **SL5:** Malin Suurkuusk (Sollentuna, Sweden)  
*Microcalorimetry as a tool in food and plant technology*

13.25-14.10 **Lunch**

14.10-16.40 **Workshop:** BioAnalytic  
*Sample preparation – is it still a challenge*

**15.25-16.40 | SESSION 3** | Chair: Monika Bielecka, Valentin Grigoraş

15.25-16.00 **Plenary lecture 3:** Milen Georgiev (Plovdiv, Bulgaria)  
*Towards accelerated lead finding: NMR-based metabolomics*

16.00-16.20 **SL6:** Aleksandra Owczarek (Łódź, Poland)  
*Development and optimisation of qNMR methodology for standardization of *Hippocastani cortex**

16.20-16.40 **SL7:** Barbara Michalak (Warszawa, Poland)  
*Influence of extract and compounds from *Eupatorium cannabinum* on pro-inflammatory activities of human neutrophils*

16.40-17.00 **Coffee**

**17.00-18.15 | SESSION 4** | Chair: Ireneusz Sowa, Maryam Jamshidi-Aidji

17.00-17.35 **Plenary lecture 4:** Petr Babula (Brno, Czech Republic)  
*Plant secondary metabolites - insight into cardiotoxicity and cardioprotection*

17.35-17.55 **SL8:** Iwona Stanisławska (Warszawa, Poland)  
*Effects of tannin metabolites on human prostate cancer cells*

17.55-18.15 **SL9:** Alev Tosun (Ankara, Turkey)  
*Cinnamon: the effects of remarkable relaxation on isolated human corpus cavernosum*

## 16.10.2016 | FRIDAY

9.30 -10.15 **Keynote lecture 2:** Ian A. Graham (York, UK)  
*Molecular breeding of medicinal crops and discoveries along the way*

**10.15-11.30 | SESSION 5** | Chair: Małgorzata Noqala-Kalucka, Alev Tosun

10.15-10.50 **Plenary lecture 5:** Angel Carbonell Barrachina (Alicante, Spain)  
*How to increase the content of bioactive compounds in dry climates through irrigation strategies?*

10.50-11.10 **SL10:** Gabriel Ranghiuc (Iași, Romania)  
*Comparative study of bay leaves sold in Romania and those collected from the spontaneous flora in Italy*

11.10-11.30 **SL11:** Agnieszka Białek (Warszawa, Poland)  
*Pomegranate seed oil decreases desaturases activity and influences fatty acids profile in serum and tissues of rats*

11.35-12.00 **Coffee / Poster mounting**

**12.00-13.15 | SESSION 6** | Chair: Milen Georgiev, Maja Friščić

12.00-12.35 **Plenary lecture 6:** Slavko Komarnytsky (Kannapolis, USA)  
*Impact of bitter flavonoids on metabolic and inflammatory health*

12.35-12.55 **SL12:** Sandra Sordon (Wrocław, Poland)  
*Increasing biological activity of flavonoids by *Rhodotorula* genus*

12.55-13.15 **SL13:** Robert Nawrot (Poznań, Poland)  
*Novel insights into protein composition of *Chelidonium majus* latex revealed by proteomic and transcriptomic analyses*

13.15-13.35 **Sponsored lecture** (in Polish): Rafał Głazszczka (Shim-Pol)

13.15-14.00 **Lunch**

14.00-14.45 **Student special workshop:** Slavko Komarnytsky (USA)  
*Mobile Discovery: In search of new antibiotics*

14.45-16.45 **Poster session**

16.00-16.45 **Coffee**

**16.45-18.00 | SESSION 7** | Chair: Christian Zidorn, Eirini Sarrou

16.45-17.20 **Plenary lecture 7:** Stefan Martens (San Michele All'adige, Italy)  
*Colourful cell factories for production of anthocyanins for health and food applications*

17.20-17.40 **SL14:** Bartosz Pencakowski (Wrocław, Poland)  
*Elucidating molecular control of phenylpropanoid biosynthesis in *Agastache rugosa**

17.40-18.00 **SL15:** Marcelo Kern (Stevenage, UK)  
*Industrial biotech and synthetic biology - trends in the pharma industry*

19.00>>>>>> **Campus (garden) party**

## 17.10.2016 | SATURDAY

**9.00-10.30 | SESSION 8** | Chair: Anna Kiss, Gabriel Ranghiuc

9.00-9.20 **SL16:** Oana Cioanca (Iași, Romania)  
*Antimicrobial and antioxidant properties of some *Pelargonium* sp. leaf extracts*

9.20-9.40 **SL17:** Anna Wiczyńska (Wrocław, Poland)  
*Methods of control and analysis of substances produced or secreted by halitogenic bacteria.*

9.40-10.00 **SL18:** Valentin Grigoraş (Piatra Neamț, Romania)  
*Essential oils in natural populations of *Matricaria recutita* from Dobrogea*

10.00-10.15 **SL19:** Joanna Fabrowska (Poznań, Poland)  
*Chemical composition and bioactivity studies of freshwater green macroalga *Cladophora glomerata**

10.20-10.40 **Awards & Closing**

11.00 **Farewell brunch** (for those who don't watch birds) / **Poster removal**

11.00-18.00 **Open Season 2016** ('bloodless' - for the 50 volunteers)