

## Friday, 15 September 2017

### Session 5: Epigenetics and chromatin regulation in plant development

Chair: **Piotr Ziółkowski** and **Marta Koblowska**

09:00 – 10:30 Plenary Lectures:

09:00 – 09:30 Ian Henderson (United Kingdom): Chromatin and recombination landscapes in plant genomes

09:30 – 10:00 **Dao-Xiu Zhou** (France): Interplay between chromatin modification and metabolism to regulate plant growth and tolerance to stress

10:00 – 10:30 Jakub Dolata, Yanwu Guo, Agnieszka Kołowerzo, Dariusz Smoliński, Grzegorz Brzyżek, Szymon Świeżewski, **Artur Jarmołowski** (Poland): Coupling of RNA Polymerase II transcription elongation with pre-mRNA splicing

10:30 – 10:45 Coffee break

10:45 – 12:00 **Oral Presentations:**

10:45 – 11:00 Daniel Buszewicz, Rafał Archacki, Antoni Palusiński, Maciej Kotliński, Anna Fogtman, Roksana Iwanicka-Nowicka, Katarzyna Sosnowska, Jan Kuciński, Piotr Pupel, Jacek Olędzki, Michał Dadlez, Aleksandra Misicka, Andrzej Jerzmanowski, **Marta K. Koblowska** (Poland): HD2C histone deacetylase binds to SWI/SNF chromatin remodeling complex and act together to regulate *Arabidopsis* heat stress response

11:00 – 11:15 **Tomasz Bieluszewski** (Poland), Weronika Sura, Mateusz Abram, Anna Bieluszewska, Łukasz Gałgański, Jan Sadowski, Piotr Ziółkowski: The impact of mutations affecting NuA4 histone acetyltransferase on the life cycle of *Arabidopsis thaliana*

11:15 – 11:30 **Maciej Lirski** (Poland), Magdalena Kroteń, Maciej Kotliński, Marta Koblowska, Andrzej Jerzmanowski: Linker histones act as powerful lock of heterochromatin activity in *Arabidopsis*

11:30 – 11:45 **Weronika Sura** (Poland), Michał Kabza, Wojciech Karłowski, Tomasz Bieluszewski, Marta Kuś-Słowińska, Łukasz Pawełoszek, Jan Sadowski, Piotr A. Ziółkowski: H2A.Z impact on gene expression in plant response to stress

11:45 – 12:00 **Karolina Chwiałkowska** (Poland), Urszula Nowakowska, Agnieszka Bielska, Anna Szałkowska, Mirosław Kwaśniewski: Progressive methylome modulation during water-deficiency conditions in barley is coupled with transcriptomic responses

12:00 – 12:10 Coffee break

## Friday, 15 September 2017

### Session 6: NO life without RNS/ROS

Chair: **Agnieszka Gniazdowska and Jolanta Floryszak-Wieczorek**

12:10 – 14:00 **Plenary Lectures:**

12:10 – 12:40 **Francisco J. Corpas** (Spain): Nitric oxide in plant peroxisomes under stress conditions

12:40 – 13:05 Tereza Tichá, Lucie Činčalová, Michaela Sedlářová, Lenka Luhová, **Marek Petřivalský** (Czech Republic): S-nitrosylation as a key component of nitric oxide redox signalling in plant development

13:05 – 13:35 **Kim H. Hebelstrup** (Denmark): An overview of the control of NO by phytooglobins in plant development and stress responses

13:35 – 14:00 Jolanta Floryszak-Wieczorek, Karolina Izbiańska, Joanna Gajewska, Jarosław Gzyl, **Magdalena Arasimowicz-Jelonek** (Poland): New insight into the fate of peroxyxynitrite in plants

14:00 – 15:00 Lunch provided

15:00 – 16:00 **Oral Presentations:**

15:00 – 15:15 **Jarosław Gzyl** (Poland), Karolina Izbiańska, Jolanta Floryszak-Wieczorek, Magda Arasimowicz-Jelonek: Nitric oxide status in roots of soybean seedlings exposed to cadmium

15:15 – 15:30 **Urszula Krasuska** (Poland), Katarzyna Ciąćka, Renata Bogatek, Agnieszka Gniazdowska: Hydrogen cyanide mimics nitric oxide cellular mode of action

15:30 – 15:45 **Marta Gietler** (Poland), Małgorzata Nykiel, Sławomir Orzechowski, Joerg Fettke, Barbara Zagdańska: Proteomic analysis of S-nitrosylated proteins in wheat seedlings with different dehydration tolerances

15:45 – 16:00 **Marlena Stawska** (Poland), Ewa Walczuk, Krystyna Oracz: Interactions between light induced signal and reactive oxygen species during light dependent germination of *Arabidopsis thaliana* seeds

16:00 – 16:20 Coffee break

16:20 – 17:30 **Poster sessions 5-6**

17:30 – 18:00 **Closing Ceremony**