



Workshop: RNA metabolism in plants in response to abiotic stresses

June 17th - 19th 2015

Poznan

Collegium Biologicum

Adam Mickiewicz University



Workshop: RNA metabolism in plants in response to abiotic stresses 17-20.06.2015 in Poznan

Schedule for meetings

Wednesday 17.06.2015 Lecture hall - Mała Aula		
15.00 - 16.00 lunch		
16.00 - 16.10	Welcome	K. Krupińska, Z. Szwejkowska-Kulińska
16.10 - 16.30	High temperature – regulated expression of microRNAs in barley.	Katarzyna Kruszka
16.30 - 16.50	Drought and rewatering – induced changes in barley miRNAs expression.	Aleksandra Świda-Barteczka
16.50 - 17.10	Heat stress responsive microRNA inhibits tillering in barley.	Andrzej Pacak
17.10 - 17.30	Heat stress affects Pi deposition in barley.	Paweł Sega
18.00 dinner Fryga		

Thursday 18.06.2015 Lecture hall - Mała Aula		
09.00 - 09.30	Decoding the NO language in plant exposed to stress	Magdalena Arasimowicz-Jelonek
09.30 - 09.50	Signaling events activated in soybean seedlings in response to cadmium stress	Jagna Chmielowska-Bąk
09.50 - 10.10	Chloroplast nucleoids are organized by the WHIRLY1 protein	Svenja Oetke
10.10 - 10.30	Association of the DNA/RNA binding protein WHIRLY1 with thylakoid membranes.	Luca Boschian
10.30 - 10.50	Barley plants with an RNAi mediated knockdown of the WHIRLY1 gene show delayed senescence at high irradiance.	Wera Kucharewicz
<i>10.50 - 11.20 coffee break</i>		
11.20 - 11.40	Targeting proteins for proteasomal degradation—a new function of <i>Arabidopsis</i> ABI1 protein phosphatase 2C.	Agnieszka Ludwików
11.40 - 12.00	<i>Arabidopsis</i> microRNA expression regulation in a wide range of abiotic stress responses.	Maria Barciszewska-Pacak
12.00 - 12.20	Salt stress reveals a new role of AGO1 in miRNA biogenesis pathway at both, co-transcriptional and post-transcriptional levels.	Jakub Dolata
12.20 - 12.40	New genetic elements in plant response to drought stress.	Anna Wyrzykowska
12.40 - 13.00	The beginnings of sexual land plant reproduction – regulation of gene expression involved in antheridia and archegonia development in dioecious liverwort <i>Pellia endiviifolia</i> .	Izabela Sierocka
13.00 - 13.20	Liverwort microtranscriptome.	Halina Pietrykowska
<i>13.20 - 15.00 lunch</i>		
15.00 - 15.20	Crosstalk between Spliceosome, Microprocessor and Polyadenylation machineries in the biogenesis of miRNAs encoded by intron-containing genes in <i>Arabidopsis thaliana</i>	Katarzyna Knop
15.20 - 15.40	Role of polyadenylation machinery in shaping <i>Arabidopsis</i> microtranscriptome	Łukasz Szewc
15.40 - 16.00	Serrate is involved in RNA transcription - <i>in situ</i> visualisation	Tomasz Gulanicz
16.00 - 16.20	The SERRATE protein interacting with the NEXT complex and the polyadenylation machinery in <i>Arabidopsis thaliana</i>	Mateusz Bajczyk
<i>16.20 - 17.10 coffee break</i>		
17.10 - 17.30	SERRATE: a key protein involved in the communication between microRNA biogenesis and splicing machineries in plants	Agata Stępień
17.30 - 17.50	Comprehensive analysis of tRNA-derived small RNAs biogenesis in plants	Patrycja Plewka
<i>18.00 grill Ostoja</i>		

Friday 19.06.2015 Lecture hall - Mała Aula		
9.30 - 9.50	The senescence associated barley cysteine peptidase HvPAP14 – from the endoplasmic reticulum to the chloroplast	Julien Hollmann
9.50 - 10.10	Biochemical characterization of the HvPAP14 peptidase	Susann Frank
10.10 - 10.30	One gene for two proteins - the barley gene <i>HvS40</i> has two overlapping reading frames encoding two proteins with different impact on leaf senescence	Mirl Trösch
10.30 - 10.50	Development of senescence associated markers in ryegrass	Andrea Culetic
10.50 – 11.10	Serrate – CBC story: behavior, kinetics and complex formation	Chhavi Aggarwal
<i>10.50 - 11.30 coffee break</i>		
11.30 - 13.00	Tour of the Faculty of Biology and Institute of Molecular Biology and Biotechnology	
<i>13.00 - 14.00 lunch</i>		
14.30 - 18.00	Sightseeing of city Poznan	
<i>18.30 dinner Massimiliano Ferre</i>		
Saturday 20.06.2015		
Departure from Poznan		