



**PLANTTRAIN; LB:University of Szeged ; IPA funding: 171 785,00 €; 01.01.2015-30.06.2016**

## **Seminar and Workshops in Szeged**

Of the Hungary-Serbia IPA Cross-border Cooperation Programme

“Joint development of higher education and training programmes in plant  
biology in support of knowledge-based society”

(PLANTTRAIN, ID: HUSBR/1203/221/173)

31 August-4 September, 2015

University of Szeged, H-6726 Szeged, Közép fasor 52.



## PROGRAMME

**Monday, 31. August, 2015**

### Seminar: Abiotic stress responses of higher plants

Chairmans: Prof. Dr Dubravka Štajner and Prof. Dr Irma Tari

|             |  |   |
|-------------|--|---|
| 11:00       | Meeting at the Department of Plant Biology and opening the seminar |   |
| 11:30-11:50 | Prof. Dr Dubravka Štajner  | Could conifers diminish damages caused by oxygen radicals?                        |
| 11:50-12:10 | Prof. Dr Boris Popovic   | Paradoxes in free radical biochemistry  |
| 12:10-12:30 | Prof. Dr Ivana Štajner -Papuga                                     | A discussion on how to write a scientific paper                                   |
| 12:30-13:30 | Lunch  |   |
| 13:30-13:50 | Dr. Barnabás Wodala  | Photosynthetic activity of plants under abiotic stress conditions                 |
| 13:50-14:10 | Edit Németh  | Nitrogen assimilation in plants: glutamine synthetase isoforms with special roles |
| 14:10-14:30 | Prof. Dr. Irma Tari  | Drought resistance mechanisms in plant kingdom                                    |
| 14:30-14:50 | Prof. Dr. Attila Fehér   | Totipotency of plant cells  |
| 14:50-15:10 | Discussion   |   |
| 15:10-17:00 | Walk around the City center  |   |
| 17:00-19:00 | Dinner   |   |



**Tuesday, 1. September, 2015**

9:00 Meeting at the Department of Plant Biology

9:00 -9:45 Workshop: **Introduction to the ion transport in plants.**

Demonstrations in patch clamp laboratory. Dr. Attila Ördög

10:00-10:45 Workshop: **Introduction to methods in photosynthesis: an effective tool for biomonitoring**

Demonstrations in Photosynthesis laboratory: Dr. Barnabás Wodala

11:00-11:45 Workshop: **Introduction to protein analytical methods.**

Demonstration in protein analytical laboratory: Edit Németh, PhD student

13.00-14.00 Lunch

15.00-19.00: Visit to the Szeged Zoo, the Garden of Nature

**Wednesday, 2. September, 2015**

10:00: Meeting at the Szeged Bus Station, Mars Square 1.

10:30-17:30: Workshop: **Excursion to Ópusztaszer National Heritage Park and investigation of**

**Pusztaszer protected landscape**

Chair Dr. Jolán Csiszár, Dr. Péter Poór



**Thursday, 3. September, 2015**

9:00: Meeting at the Department of Plant Biology

9:00 -9:45 Workshop: **Fluorescence methods in plant biology**

Demonstrations in fluorescence microscopic laboratory. Dr. Zsuzsanna Kolbert,  
Gábor Feigl, Dr. Ágnes Szepesi

10:00-10:45 Workshop: **Molecular biological methods in plant biology**

Demonstrations in molecular biological laboratory: Dr. Ágnes Gallé, Edit Horváth,  
Dániel Benyó

11:00-11:45 Workshop: **Analysis of elemental content of plant tissues.**

Demonstration in ICP laboratory: Dr. Attila Ördög and Dr. Péter Poór

13.00-14.00 Lunch

15.00-18.00: **Visit to the Cereal Research Non-profit Ltd.**

**Friday, 4. September, 2015.**

9:00: Meeting at the Department of Plant Biology

9:10-11:00: **Visit to the Biological Research Center of the Hungarian Academy of Sciences**

11:00-12:00 Discussion about the subsequent tasks of the program and preparation of the common curriculum.

13:00-14:00 Lunch