

Clonal meeting 2015: programme

3.8. Monday

Optional Ph.D. course at the Institute of Botany CAS, lecture room, from 9:00 to 17:00.

Roberto Salguero Gómez	Analyzing and modelling population dynamics of (clonal) plants
Jitka Klimešová	Comparative approaches to study clonal plant organs
Francesco de Bello	Clonal plant traits within and among communities: data analyses and interpretation of patterns

Opening party in the evening (beginning of the meeting) at the Institute of Botany CAS from 19:30

4.8. Tuesday

8:00 Registration (Beseda Conference Centrum)

9:00 Welcome

Session: Communication and behaviour I. Chair: Marina Semchenko

9:15	Rob Brooker	Keynote lecture: Clonal plants and facilitation research: bridging the gap
10:10	Erica M Waters	Volatile organic compounds (VOCs) drive nutrient foraging in the woodland strawberry, <i>Fragaria vesca</i>
10:30	<i>Coffee</i>	
11:00	Beáta Oborny	United we stand, divided we fall? – a summary of seven models on physiological integration
11:20	Juta Lopp	The benefits from clonal propagation: impact of imported assimilates from connected ramets
11:40	Huazheng Lu et al.	Survival depends on resource sharing: evidences from the epiphytes in a montane moist forest, SW China
12:00	<i>Lunch</i>	

Session: Communication and behaviour II. Chair: Beáta Oborny

- 13:30** **Philippine Vergeer** **Invited speaker lecture: The ecological and evolutionary relevance of environmentally induced non-genetic transgenerational effects**
- 14:15 Vít Latzel Stress induced memory in clonal offspring of *Trifolium repens*
- 14:35 Vladimir Douhovnikoff Epigenetics: a potential mechanism for clonal plant success
- 14:55 Andras G. Hubai & Beáta Oborny The invasion race: speed and persistence in clonal expansion
- 15:15 *Coffee and POSTER SESSION*
- 16:15 Michal Gruntman To fight or not to fight: decision making in plants under competition
- 16:35 Ariel Novoplansky Ecological implications of inter-plant communication
- 16:55 Hongli Li Fragmentation of the invasive, clonal plant *Alternanthera philoxeroides* decreases growth but not competitive effect on wetland plants
- 17:20 *Evening guided walk around Třeboň*
- 20:00 *Concert: Cappella Mariana vocal ensemble (Farní kostel Panny Marie Královny a Sv. Jiljí)*

5.8. Wednesday

Session: Comparative ecology of functional traits, community ecology.

Chair: Ariel Novoplansky

- 9:00** **Katherine L. Gross** **Invited speaker lecture: How does clonality contribute to community responses to fertilization?**
- 9:45 Fei-Hai Yu Impacts of global climate change on alien plant invasion in conservation areas: does clonality matter?
- 10:05 John Guittar Clonal traits mediate plant species response to climate change: evidence from a whole-community turf transplant experiment in southern Norway
- 10:25 *Coffee*
- 11:00 Kristjan Zobel On the relationship between competitive ability and degree of spatial aggregation in clonal plants

- 11:20 Marina Semchenko, Maria Abakumova, Anu Lepik & Kristjan Zobel Plant responses to neighbouring species are conditional upon the relative frequency of their encounters in nature
- 11:40 Martin Weiser Does clonality constrain plant competitive behaviour?
- 12:00 *Lunch*

Session: Comparative ecology of functional traits, community ecology.

Chair: Fei-Hai Yu

- 13:30 **Petr Šmarda** **Invited speaker lecture: Ecological consequences of genome growth and polyploidy**
- 14:15 Deborah Goldberg Community consequences of body size in clonal plants
- 14:35 Zhimin Liu & Jianqiang Qian The responses of belowground bud bank and its regenerative contribution to grazing and environmental factors in natural grassland of Inner Mongolia, China
- 14:55 Francesco de Bello & Lars Götzenberger Accounting for phylogeny when assessing the functions of clonal traits
- 15:15 *Coffee and POSTER SESSION*

Session: Interactions with other organisms. Chair: Kristjan Zobel

- 16:15 Katja Tielboerger, Tanja Laaser, Anubhav Mohiley & Michal Gruntman Induced foraging for defense in a metal hyperaccumulating clonal plant
- 16:35 Jakub Těšitel Interactions between clonal plants and hemiparasites I: Testing the clonal integration hypothesis
- 16:55 Jan Mládek Interactions between clonal plants and hemiparasites II: Root-hemiparasitic *Rhinanthus* spp. suppress expansive clonal grass *Calamagrostis epigejos* in a series of field experiments
- 17:15 Inoue Mizuki & Shinichi Fuji Does high genetic diversity promote low frequency in virus infection in clonal plant, *Dioscorea japonica*?
- 17:35 Bicheng Dong Effect of nutrient availability on recovery ability of *Alternanthera philoxeroides* after attack of mealy bugs
- 19:00 *Optional visit (guided tour) through the Trebon Brewery*

6.8. Thursday

Session: Population biology and environment. Chair: Deborah Goldberg

- 9:00 Rob Salguero-Gómez **Keynote lecture: Do selection gradients operate on the genet or the ramet: comparative approach**
- 9:55 Anne Ronse Clonal reproduction of the rare *Helosciadium repens* in Belgian populations
- 10:15 Jürg Stöcklin The clonal *Poa alpina*, a seed- and bulbil- producing plant living in the best of all worlds?
- 10:35 *Coffee*
- 11:00 Hiroshi Tomimatsu Genet dynamics and recovery process of a dwarf bamboo population after a synchronous flowering and die-off
- 11:20 Akifumi Makita Variety of bamboo flowering patterns, with special reference to the significance to the sporadic small scale flowering
- 11:40 Pauline Oliveira Pantoja Environmental constraints on the relative allocation to sexual and asexual reproduction in introduced *Mimulus guttatus*
- 12:00 *Lunch*

Session: Population biology and environment. Chair: Katja Tielboerger

- 13:30 Scott Franklin Ecology of Aspen in Colorado Front Range, USA
- 13:50 Fang-Li Luo Dynamic growth adaptation of a clonal riparian plant to water level fluctuation
- 14:10 Marilena Onete The effect of habitat and environmental heterogeneity on clonal *Dianthus callizonus* from Romanian Carpathians
- 14:30 Sylvie Pecháčková, Tomáš Herben Time as a link between shoots and roots in a grassland community
- 15:15 *Coffee and POSTER SESSION*
- 16:15 Hana Skálová, Petr Pyšek, Jan Suda, Carla Lambertini, Jan Čuda & Laura A. Meyerson Ecological, physiological and karyological traits promoting invasiveness of *Phragmites australis*: results from a garden experiment
- 16:35 Du Dao-Lin Ecological effects of an invasive clonal plant, *Wedelia trilobata*, and its invasion mechanisms
- 16:55 Hayamizu Masato The evolution of intraspecific variation of reproductive system in *Viola brevistipulata*

17:15 Elizabeth A. James & Philippa C. Griffin Defining phylogeny and clonal structure of a rare shrub, *Grevillea infecunda* (Proteaceae), using genetic markers

17:35 *Closing discussion and farewell*

Symposium dinner at the Beseda Conference Centrum from 18:00

7.8. Friday

Excursion to Třeboňsko and Žofínský prales. Departure from the Institute of Botany at 8:00; planned return 18:00