



1st International Conference **Wild Plant Pathosystems**



Theory, communities and ecosystems, structure and variation, genetics and genomics, epidemiological and evolutionary dynamics, coevolution, agro-ecological interface, crop wild progenitors, resistance breeding applications

2 - 5 July, 2013

Conference Venue

Konvikt „Auditorium“

Arts Centre of Palacký University in Olomouc,
Olomouc, Czech Republic

Organized by

Department of Botany, Faculty of Science, Palacký University in Olomouc, and Czech Society for Plant Pathology

President: Aleš Lebeda

Honorary President: Jeremy Burdon

www.wildplantpathos2013.upol.cz
wpp2013.upol.cz

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- Prof. Janis Antonovics (USA)
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- Prof. M.W. Shaw (UK)
- Prof. Marco Thines (Germany)
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- Mrs. Jitka Hýbnerová (conference service)

The main topics of the Conference

This international conference will address theoretical and methodological aspects related to wild plant pathosystems, e.g.: ecological and genetic view of coevolutionary interactions, phylogenetics and speciation, general plant-pathogen perspectives, ecological genomics of host-pathogen interactions, developing a common conceptual framework for antagonistic interactions, pathogens and community structure, epidemiological and evolutionary dynamics across the agro-ecological interface, trends in emerging and invasive pathogens, wild crop progenitors, sources of resistance, breeding applications.

The main aspects covered by the Conference

1. Phylogenetics & speciation
2. Ecological genomics of host-pathogen interactions
3. Developing a common conceptual framework for antagonistic interactions
4. Pathogens and community structure
5. Epidemiological & evolutionary dynamics across the agro-ecological interface
6. Trends in emerging and invasive pathogens
7. Applied aspects, wild progenitors, sources of resistance, resistance breeding

Keynote Speakers (examples)

- **H. Alexander** (University of Kansas, Lawrence, USA)
C. Malmstrom (Michigan State University, East Lansing, USA)
Plant-virus interactions in switchgrass
- **J. Burdon, P. Thrall** (CSIRO Plant Industry, Canberra, Australia)
Integrated evidence for co-evolution in natural host-pathogen associations
- **E. Holub** (University of Warwick, Wellesbourne, UK)
Following Biffen's footsteps with insights from Arabidopsis-Albugo candida interactions
- **A.-L. Laine** (University of Helsinki, Helsinki, Finland)
Ecological genomics of host-pathogen interactions
- **B. McDonald** (ETH Zurich, Switzerland)
The role of effectors in the emergence of host-specialized fungal pathogens: a phylogeographical perspective
- **M.W. Shaw** (University of Reading, UK)
The population dynamics of disease on short and long time-scales
- **M. Thines** (J.W. Goethe University, Frankfurt (Main), Germany)
Phylogeny, evolution and diversity of oomycetes - a global perspective
- **J. Walsh** (University of Warwick, Wellesbourne, UK)
Plant – virus co-evolution in wild brassicas

We are looking forward to meeting you in historical city Olomouc. We will do our best to make your stay comfortable and interesting.