

**PROGRAMME**  
**Eucarpia Leafy Vegetables 2019,**  
**9th International Conference on Genetics and Breeding of Leafy Vegetables**  
**(24-28 June 2019, Olomouc, Czech Republic)**

**24 June, Monday**

**Hotel Flora**

15.00-20.00     **Accommodation**  
**Registration**

**25 June, Tuesday**

**Palacký University, Konvikt**

8.00-09.30 **Registration, setting up the posters**

**Palacký University, Konvikt „Auditorium“**

**09.30-10.00    Opening ceremony, Introduction to the programme**

**10.00-11.15    General aspects** (*history, cultivation geography and systems, economic importance, new crops etc.*)

**Chairperson: J. Monaghan**

10.00-10.45    **I. Simko**, B. Mou, K.R. Richardson, J.D. McCreight (USA)  
Trends in lettuce and spinach production in the United States

10.45-11.15    **L. Halinski**, A. Topolewska, P. Stepnowski (Poland)  
Chemical aspects of plant selection mechanisms in domestication of new indigenous African leafy vegetables (*Solanum* spp.)

**11.15-12.30    Genetic resources** (*genebanking, taxonomy, botany, biogeography, crop wild relatives, biodiversity etc.*)

**Chairpersons: Ch. Kik, J. Šuštar-Vozlič**

11.15-11.30    **J. Šuštar-Vozlič** (Slovenia), R. van Treuren (the Netherlands), U. Lohwasser (Germany), P. Coquin (France)  
ECPGR Working Group on Leafy Vegetables: Prospects and Challenges for Phase X

11.30-12.00    **Ch. Kik** (the Netherlands)  
The first blow is half the battle: collecting and regenerating leafy vegetables

12.00-12.30    **L. Majeský**, M. Kitner, E. Křístková, A. Lebeda (Czech Republic)  
Current view on phylogeny and taxonomy of the Lactucinae subtribe

- 12.30-14.00** *Lunch*
- 14.00-15.30** **Genetic resources** (*genebanking, taxonomy, botany, biogeography, crop wild relatives, biodiversity etc.*)  
**Chairpersons: J. Šuštar-Vozlič, Ch. Kik**
- 14.00-14.30 **E. Křístková**, A. Lebeda (Czech Republic)  
 Ecogeography and field observations of wild *Lactuca* species
- 14.30-15.00 **A. Lebeda**, E. Křístková, I. Doležalová, M. Kitner (Czech Republic),  
 M.P. Widrlechner (USA)  
 Genetic resources of wild *Lactuca* spp. in North America, complex view on underestimated topic
- 15.00-15.15 **M. Kitner**, L. Majeský, E. Křístková, A. Lebeda (Czech Republic)  
 Genetic variability of wild *Lactuca* species germplasm
- 15.15-15.30 **J. Šuštar-Vozlič et al.** (Slovenia, Czech Republic)  
 Slovene autochthonous lettuce variety 'Ljubljanska ledenka': genetic diversity and reintroduction to the market
- 15.30-16.00** *Coffee break*
- 16.00-18.30** **Abiotic and biotic stress** (*diseases and pests*)  
**Chairpersons: B. Maisonneuve, J. Correll**
- 16.00-16.30 **J. Correll** et al. (USA)  
 Economically important spinach diseases: an evolving problem
- 16.30-17.00 **G. Gilardi**, M.L. Gullino, A. Garibaldi (Italy)  
 Emergence of a new pathogens on leafy vegetables
- 17.00-17.30 **F. Lecompte**, P.C. Nicot (France)  
 Integrated disease and pest management in lettuce
- 17.30-17.50 **A. Lebeda**, B. Mieslerová, M. Kitner, E. Křístková (Czech Republic)  
 Lettuce powdery mildew – exciting but unknown disease of lettuce
- 17.50-18.10 **B. Maisonneuve**, C. Jouan, S. Gimenez (France)  
 Resistance to root-knot nematodes in the genus *Lactuca*: hope for breeding
- 18.10-18.30 **A. Lebeda**, I. Petrželová, E. Křístková, (Czech Republic), F. Runge (Germany)  
 Variation in wild plant pathosystem *Lactuca* spp. – *Bremia lactucae* and its importance for lettuce resistance breeding
- 19.00-21.00** **Welcome Party at Historical Rector Building of Palacký University**

## 26 June, Wednesday

### Palacký University, Konvikt "Auditorium"

**8.30-10.30** **Molecular genetics, genomics and genetic improvement** (complex of omics activities and genetics in breeding)

**Chairpersons: I. Simko, R.W. Michelmore**

8.30-9.30 **R.W. Michelmore** (USA)  
Next-generation genomics of lettuce

9.30-10.30 **H. Kuang** (China)  
Genetic analysis of complex traits in lettuce

**10.30-11.00** **Coffee break**

**11.00-12.30** **Molecular genetics, genomics and genetic improvement** (complex of omics activities and genetics in breeding)

**Chairpersons: R.W. Michelmore, I. Simko**

11.00-11.45 **I. Simko** (USA)  
Marker-assisted selection in lettuce breeding

11.45-12.30 C. Meisrimler, A. Pelgrom, J. Klein, M. Neilen and **G. Van den Ackerveken** (the Netherlands)  
Revealing functions of downy mildew effectors in spinach and lettuce

**12.30-14.00** **Lunch**

**14.00-15.30** **Molecular genetics, genomics and genetic improvement** (complex of omics activities and genetics in breeding)

**Chairpersons: G. Van den Ackerveken, M. Kitner**

14.00-14.45 **M. El-Esawi** (Egypt)  
Overexpression of *Arabidopsis thaliana* WRKY transcription factor improves salt and drought tolerance in lettuce (*Lactuca sativa* L.)

14.45-15.30 **A. Stojakowska** (Poland)  
Wild *Lactuca* species and their specialized metabolites

**15.30-16.00** **Coffee break**

**16.00-17.30** **Postharvest quality** (nutrition/flavour/appearance/safety)  
**Chairpersons: C. Wagstaff**

16.00-16.30 **R. van Treuren** (the Netherlands)  
Metabolite variation in *Lactuca*

16.30-17.00 **M. Chadwick** et al. (UK)

Screening of metabolites linked to pink and brown discolouration in lettuce (*Lactuca sativa*) using the Sal × Ice mapping population  
17.00-17.30 **B. Mou** (USA)  
Genetic variation and improvement of nutritional traits in lettuce and spinach

17.30-18.30 **Poster Session**

## 27 June, Thursday

7.30-21.00 **South Moravia - Excursion**

7.30 **Departure from Hotel Flora**

9.00-12.00 **Johann G. Mendel Museum of Genetics and Augustinian Abbey in Old Brno**  
**Lecture of P. Smýkal: J. G. Mendel – from Moravian peasant's son to world genius**  
**Guided tour in J. G. Mendel Museum**

13.00-15.30 **The Castle of Austerlitz (Slavkov), Lunch**

16.30-19.30 **Visit of company Vinselekt Michlovsky (Rakvice, South Moravia), Moravian wine tasting**

19.30 **Departure from Rakvice to Olomouc**

21.00 **Arrival to Olomouc**

## 28 June, Friday

**Palacký University, Konvikt "Auditorium"**

9.00-12.30 **New trends and visions in leafy vegetables research, breeding, growing and marketing** (general and specific aspects related to these topics)  
**Chairperson: K. Reinink**

9.00-9.45 **C. Wagstaff** et al. (UK)  
Rocket Science - a journey from field to genotype

9.45-10.30 **J. Monaghan** et al. (UK)  
Discovering traits of commercial interest in diversity collections

10.30-11.00 **Coffee break**

11.00-12.15 **Closing and Challenging lecture**  
**Chairperson: K. Reinink**

11.00-12.00 **D.A. Jacobson** (USA)  
Integrative and computational systems biology and their exploitation in plant breeding

12.15-12.45 ***Closing session and closing ceremony***

13.00-14.00 ***Lunch***

14.00-16.00 **IBEB-G open meeting** (chaired by J. Schut)

16.00-18.00 **ILGC3 Meeting** (consortium participants only)

***Farewell Evening, Palacký University, Konvikt "Atrium" and surrounding area***

19.00-19.30 **Baroque music concert in Konvikt Chapel**

19.30-23.00 ***Farewell dinner***

*\* some minor changes may appear in the programe structure/content*