



**Location:** Bundesamtsgebäude Radetzkystraße, Hintere Zollamtsstraße 1, 1031 Vienna, Austria

# Applied Vegetables Genomics

International Conference  
February 19-20th 2014, Vienna, Austria

## Invited speakers:

Y. Bai (The Netherlands), A. Bendahmane (France), L. Mueller (USA), D. Zamir (Israel), H. Klee (USA), G. Giuliano (Italy), C. Gebhardt (Germany), J. Prohens (Spain), A. Bus (Germany), H. Ezura (Japan), J. McCallum (New Zealand), M. Causse (France), J. Blanca (Spain), B. Vosman (The Netherlands), R. Finkers (The Netherlands), I. Paran (Israel), B. Bohanec (Slovenia), A. Touraev (Austria)

## Conference covers following topics:

Genomics & Breeding for Nutritional, Dietetic and Nutraceutical Value  
Vegetable "Omics" (Genomics, Proteomics, Metabolomics, etc.)  
Genomics & Breeding for Abiotic and Biotic Stress Tolerance  
Genetics & Molecular Mapping of Quantitative Trait Loci  
Mutant Resources (TILLING, ECOTILLING, DART etc.)  
Sequencing & Bioinformatics of Vegetable Genome  
Epigenetics and Evolution of Vegetable Genome

Genomics & Breeding for Flavor Improvement  
Molecular Markers, Marker Assisted Selection  
Genomic Selection & Molecular Breeding  
Natural Resources & Genetic Variation  
Heterosis & Genomic Breeding  
Model Systems in Vegetables  
Vegetable Doubled Haploids



The importance of vegetables cannot be overemphasized, since they should ideally be included in basically every health-related diet. Thus, vegetables play a vital role on food front as they are cheapest-sources of natural foods and can admirably supplement the main cereals. Key challenges in vegetable breeding are a) To assure the continued development of improved vegetable breeding lines and varieties to meet future needs of the vegetable industry and the general public and b) To encourage the transition of basic and applied research findings into usable germplasm and methodologies for use by private sector plant breeders. Genomes of several vegetable crops are being sequenced, a large number of DNA markers are discovered, high throughput genotyping and phenotyping platforms are established and new tools – linkage mapping, association mapping, family based QTL mapping, functional genomics etc. are upcoming, and integration of genomics in plant breeding is the way forward.

Vienna is located in the heart of Europe on the banks of the Danube River, and considered as one of the most important economic, cultural and touristic large cities of central Europe. Apart from providing top science, the Conference will capture the spirit of the city thanks to the central location of the venue offering a multitude of cultural events.

This three-day event will provide leading academy and industry scientists a platform to communicate recent advances in "Applied Vegetables Genomics" and an opportunity to establish multilateral collaborations.

## Contact:

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