



Universität für Bodenkultur Wien
University of Natural Resources
and Life Sciences, Vienna

Department für Angewandte Genetik
und Zellbiologie
Department of Applied Genetics
and Cell Biology

Invitation to BiRT Seminar Series

„die Welt der biologischen Interaktionen“



C. R. HANÁ Palacký University Olomouc, Czech Republic

Prof. Ivo Frébort



Plants as a tool for sustainable global development

Genetic improvement of barley and molecular farming

18. Oktober 2018

Uhr 9:30

Campus Tulln / UFT – Seminarraum 14

Securing food for future generations, cessation of the destruction of landscape and natural biodiversity by extensive agriculture and prevention of further pollution of the environment by fossil fuels are the most important challenges in the 21st century. The current progress in genome sequencing technologies provides entirely new possibilities for development of DNA markers linked to economically important traits. However, mere insertion of a particular gene or DNA sequence with regulatory function does not guarantee the wanted change in phenotype due to the complex regulation of gene expression, which is influenced by a number of internal factors (chromatin structure, cell organization) as well as external interactions (effects of microorganisms, availability of natural bio stimulants). The primary goal of the Centre of the Region Haná for Biotechnological and Agricultural Research (CRH) is to gain new high-quality results on these factors, which will guide further applications in the future.

Hosts: Joseph Strauss & Georg Gübitz