

Invitation to
BiRT Seminar Series
„Die Welt der biologischen Interaktionen“



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

Dr. Sabine Fillinger

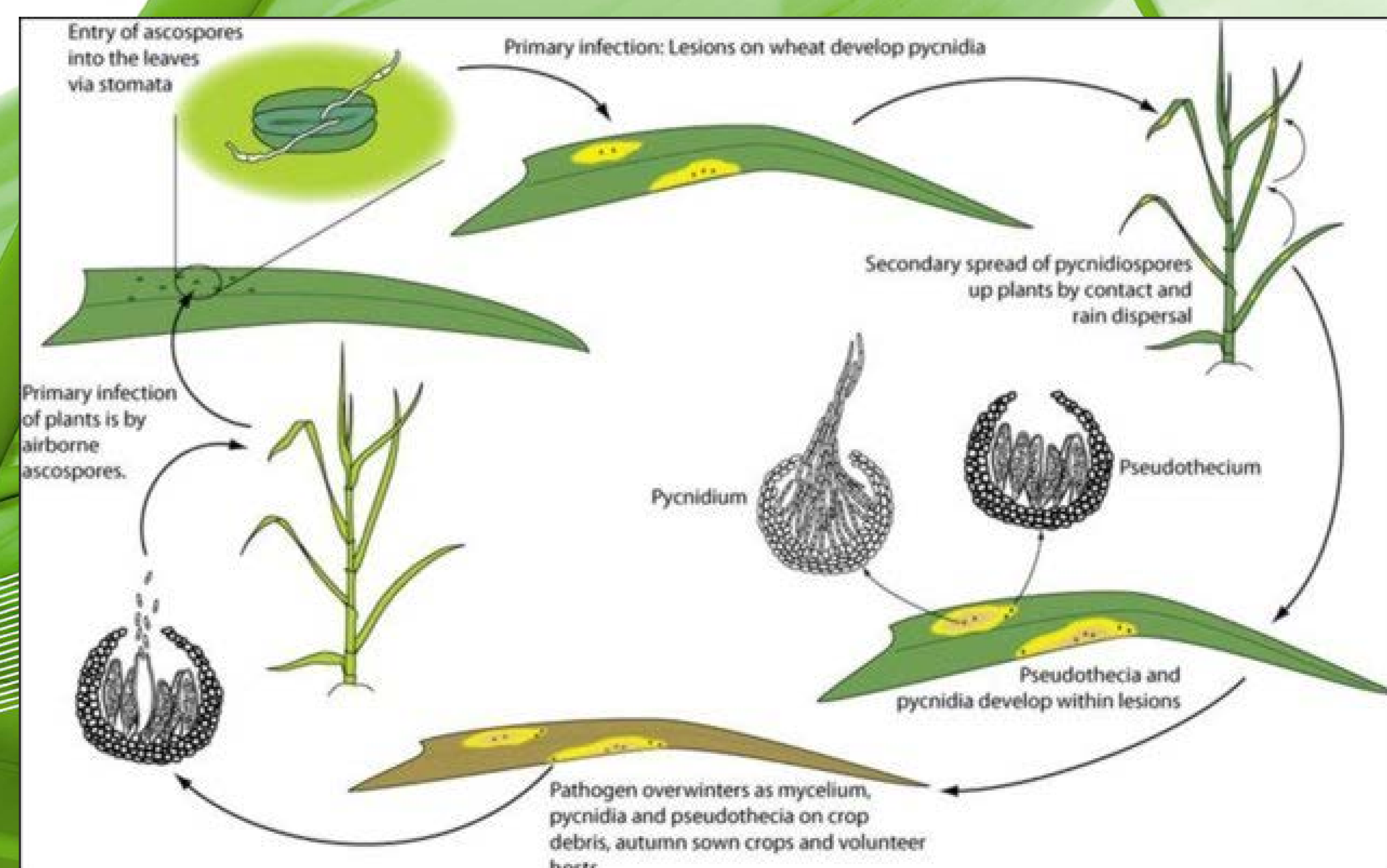
INRA-Institute National de la Recherche
Agronomique, AgroParisTech, Paris-Saclay,, France

Target & Non target-site resistance mechanisms against agricultural fungicides, the tip of the iceberg?

Freitag 22. November 2019
10:00 Uhr

Campus Tulln / UFT – Seminarraum 16

Most (if not all) plant pathogenic fungi have evolved resistance to agricultural fungicides world-wide. Over decades target site modifications were reported as major resistance mechanisms against these drugs, conferring specific resistance to a single mode-of-action. The talk will highlight new research on different types of resistances and also give an overview on the INRA activities towards analysis of these phenomena. A few, relatively new show-cases will be presented that underline the strong adaptive potential of plant pathogenic fungi to agricultural fungicides. Dr. Fillinger will also give an overview on recent advances in the characterization of fungicide resistance in major plant pathogenic fungi with a specific focus on genetic analysis of MDR in the wheat pathogen *Zymoseptoria tritici*.



Host: Joseph Strauss