

IIRB SEMINAR 2025

Syndrome Basses Richesses – Current Findings

5th June 2025

**Alte Mensa, Wilhelmsplatz 3,
D - 37073 Göttingen**



INTERNATIONAL INSTITUTE
OF SUGAR BEET RESEARCH

PROGRAMME

09.30 a.m. **Welcome** - MARK STEVENS (BBRO, UK)

Session 1: Research fundamentals on vector and pathogen

Chair: MARK VARRELMANN (IfZ, D)

9.40 a.m. OMID EINI-GANDOMANI (IfZ, D): Insight into the interactions between sugar beet, *Pentastiridius leporinus* and SBR pathogens

10.00 a.m. MICHAEL KUBE (University of Hohenheim, D): Genome Analysis of the 16SrXII-P Stolbur Phytoplasma

10.20 a.m. NURIA FONTDEVILA PARETA (Agroscope, CH): From insect endosymbiont to phloem colonizer: comparative genomics unveils the lifestyle transition of phytopathogenic *Arsenophonus* strains

10.40 a.m. ANNA MARKHEISER (JKI, D): The vector-born epidemiology of *Candidatus* *Phytoplasma solani* – drivers, control mechanisms and limitations

11.00 a.m. COFFEE BREAK (50 MIN)

Session 2: Pathogen system

Chair: MICHAEL KUBE (University of Hohenheim, D)

11.50 a.m. MICHAEL ROSTÁS (University of Göttingen, D): Introduction to the vector *Pentastiridius leporinus*

12.10 p.m. BOJAN DUDUK (Institute of Pesticides and Environmental Protection, SRB): Geographical variations, prevalence, and molecular dynamics of fastidious phloem-limited pathogens infecting sugar beet across Central Europe

12.30 p.m. HELEN PFITZNER (UNIKA und Verband der Hessisch-Pfälzischen Zuckerrübenanbauer e.V., D): The vector-pathogen-host plant complex – impacts, research projects, and control strategies

12.50 p.m. LUNCH (70 MIN)

Session 3: Monitoring and Control

Chair: HELEN PFITZNER (UNIKA und Verband der Hessisch-Pfälzischen Zuckerrübenanbauer e. V., D)

2.00 p.m. FABIO QUAGLINO (University Milan, I): Bois noir management of *Candidatus* Phytoplasma solani in Vineyard

2.20 p.m. DOMENICO BOSCO (University of Turin, I): Management of grapevine flavescence dorée and new research trends for sustainable control of the disease

2.40 p.m. ANDREAS KEISER (Bern University of Applied Sciences HAFL, CH): Crop rotation as a control strategy

3.00 p.m. ACHIM JESSER (Südzucker AG, D) & JULIA WIEßNER (Verband Süd-deutscher Zuckerrübenanbauer e.V., D): Task force strip trials and model regions

3.20 p.m. ANNE-KATRIN MAHLEIN (IfZ, D): Closing remarks

3.30 p.m. END OF SEMINAR

Venue

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