



Breeding Invertebrates for Next Generation BioControl
www.bingo-itn.eu

Title: **New techniques for better biocontrol: next-generation sequencing, genotyping and experimental evolution in insects and mites**

When: Tuesday 23 January 2018 from 8.45 – 18.00

Venue: Koppert Biological Systems, Veilingweg 14, 2651 BE Berkel en Rodenrijs, Netherlands

Program:

Arrival & coffee / tea from 8.30 – 8.45

Welcome

- **René Koppert (Koppert Biological Systems, Netherlands)**

- 1 BINGO-ITN: Breeding Invertebrates for Next Generation BioControl
- **Dr. Bart Pannebakker (Wageningen University, Netherlands)**
- 2 How Can Genomics Inform Genetic Improvement of Natural Enemies?
- **Prof. John Werren (University of Rochester, USA)**
- 3 Selection for most competitive strains among genetic variants of Trichogramma wasps
- **Prof. Richard Stouthamer (University of California, Riverside, USA)**
- 4 Artificial selection for lines with contrasting prey exploitation strategies in the biocontrol predatory mite *Phytoseiulus persimilis*
- **Dr. Martijn Egas (UvA, Netherlands)**
- 5 How to use the latest sequencing technologies to analyze population structures and dynamics
- **Dr. Eveline Verhulst (Wageningen University, Netherlands)**
- 6 Re-sequencing to study evolving traits: evolution of resistance in *Drosophila* spp.
- **Prof. Bregje Wertheim (Groningen University, Netherlands)**
- 7 How experimental evolution experiments can contribute on to improving biocontrol
- **Dr. Sara Magalhães (Universidade de Lisboa, Portugal)**
- 8 Discussion
- **Chair: Dr. Bart Pannebakker and Dr. Tom Groot (Koppert Biological Systems, Netherlands)**

Closing of the day

- **Dr. Bart Pannebakker**



HORIZON 2020

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