

## **Agenda**

8/5 – Arrival of satellite meeting participants

<u>9/5</u> – Satellite meeting: Symbiont metabolic interactions

Arrival of workshop participants

10/5

8:00- Morning tour

10:00-10:15 Welcome addresses

10:15-11:00 Opening - Martin Kaltenpoth (University of Mainz) - **Outsourcing** immunity: Microbial symbionts for pathogen defense in insects

11:00-11:20 Coffee break

11:20 – 13:00 Metabolic interactions

Chair: Laurence Mouton

- 11:20-11:40 Shiri Freilich (Agricultural Research Organization) **Metabolic network** approach for studying microbial community function
- 11:40-12:00 Shani Ofaim (Agricultural Research Organization) Tools for genomic-driven analyses of bacterial metabolic interactions and performances
- 12:00-12:20 Fabrice Vavre (University of Lyon) Towards the dark or the light side of the force? Life and death of symbiotic interactions in ticks
- 12:20-12:40 Diego Santos (Hebrew University) Inside out: Are gut bacteria involved in whiteflies' plant adaptation?
- 12:40-13:00 Eugeni Belda (Pasteur Institute) From automatic and expert genome annotation to the reconstruction of genome-scale metabolic models

13:00-14:30 Lunch





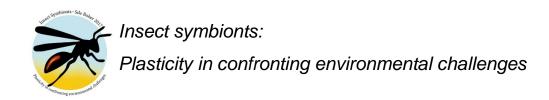












14:30 – 16:00 Phenotypes I

Chair: Michael Ben Yosef

- 14:30-14:50 Molly Hunter (University of Arizona) Comparative biology of the reproductive manipulator *Cardinium*
- 14:50-15:10 Ally Harari (Agricultural Research Organization) Indirect involvement of endosymbionts in mate choice
- 15:10-15:30 Laurence Mouton (University of Lyon) Influence of host-symbionts interactions inferred from populations' data
- 15:30-15:50 Omer Lavy (Tel-Aviv University) On bacterial assemblage and density-dependent phases in the desert locust

15:50-16:10 Coffee break

16:10-17:30 Multimember symbiotic complexes

Chair: Sara Epis

- 16:10-16:50 Edouard Jurkevitch & Boaz Yuval (Hebrew University) Fruit, flies, and the bacteria in between
- 16:50-17:10 Michal Segoli (Ben-Gurion University) **Tripartite underground**symbiosis between a desert plant, a weevil beetle and nitrogen-fixing
  bacterium
- 17:10-17:30 Ayelet Caspi-Fluger (University of Haifa) Symbiotic complex in a guild of housefly parasitoids

Dinner





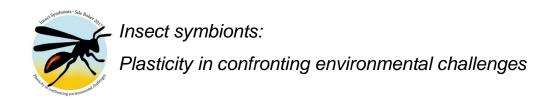












11/5

8:30-9:20 The Negev desert

9:20 - 12:40 Phenotypes II

Chair: Diego Santos

9:20-10:00 David Giron (University of Tours) - Insect microbial symbionts can modulate plant exploitation by phytophagous insets

10:00-10:20 Jean-Christophe Simon (INRA, Rennes) - Facultative symbionts of aphids as influential passengers

10:20-10:40 Coffee break

- 10:40-11:00 Nir Netanel (Agricultural Research Organization) **Secondary** symbionts game of throne in the courtyard of Israeli whiteflies
- 11:00-11:20 Alejandro Manzano (Agropolis Foundation) **The rise of co-obligate** symbioses in aphids
- 11:20-11:40 Julien Varaldi (University of Lyon) **Behaviour manipulation and**horizontal gene transfer in parasitoid-virus interactions
- 11:40-12:00 Malka Halpern (University of Haifa) The role of quorum sensing signals on the interactions between *Vibrio cholerae* and chironomids microbiome
- 12:00-12:20 Elad Chiel (University of Haifa) Microbiome of soft scale insects (Hemiptera: Coccidae)

12:20-13:50 Lunch





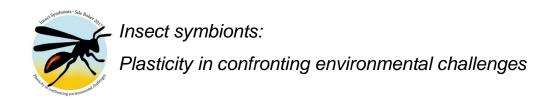












## 13:50 - 15:10 Symbionts and Evolution

Chair: Elad Chiel

- 13:50-14:10 Sara Epis (University of Milan) Of yeasts, sandflies and Leishmaniasis
- 14:10-14:30 Alessandra Cafiso (University of Milan) *Midichloria*, the symbiont of ticks transmitted during the blood meal. What is the role of horizontal transmission?
- 14:30-14:50 Liora Shaltiel (Tel-Hai College) The microbial gut community of BSF (Hermatia illucens) is affected by the consumption of different agricultural wastes
- 14:50-15:10 Michael Ben-Yosef (Hebrew University) *Coxiella* and ticks: agreement sealed in blood

16:00 - Departure













