

8:40-9:00 - Gathering and Registration

9:00-9:15 - Opening Remarks – Prof. Benny Chefetz

9:15-9:40 - Keynote lecture – Prof. Zvi Peleg

Open Sesame! The Magic is Still Here

9:40-10:55 - Session 1

9:40-9:55 - A conserved superlocus regulates above- and belowground root initiation (abstract #20). Moutasem Omary, Plant Sciences and Genetics.

9:55-10:10 - Revealing the genetic components responsible for the unique photosynthetic stem capability of the wild almond *Prunus arabica* (Olivier) Meikle (abstract #30). Hillel Brukental, Plant Science and Genetics.

10:10-10:25 - 3D printed wood (abstract #54). Doron Kam, Plant Sciences and Genetics.

10:25-10:40 - Bread wheat stem characteristics and their association with water-soluble carbohydrates, grain size, and yield (abstract #50). Simeon Ntawuguranayo, Plant Sciences and Genetics.

10:40-10:55 - The impact of cattle grazing on the performance of oak trees at the dry edge of their distribution in Israel (abstract #27). Omri Hasson, Plant Sciences and Genetics.

10:55-11:15 - Coffee break

11:15-12:45 - Session 2

11:15-11:30 - Cholecystokinin - a novel regulator of the hypothalamic–pituitary–gonadal axis (abstract #31). Lian Hollander Cohen, Animal Sciences.

11:30-11:45 - Netflix-inspired matchmaking of molecules with taste GPCRs (abstract #43). Eitan Margulis, Biochemistry, Food Science and Nutrition.

11:45-12:00 - Detection of causative bacterial infections in mastitic dairy cows using SERS based lab-on-chip (abstract #40). Shirly Reingewirtz, Biotechnology.

12:00-12:15 - To eat, or not to eat: appetite regulation is not the only question (abstract #56). Nikko Alvin Cabillon, Animal Sciences.

12:15-12:30 - Treating bacterial pathogens using antimicrobial peptide combinations (abstract #34). Bar Maron, Biotechnology.

12:30-12:45 - The interaction between hygienic behavior, immune response, and virus infection in honeybees (abstract #60). Tal Erez, Entomology.

11:15-11:30 - **Enhancement of nutritional values in lettuce by genome editing** (abstract #29) Yarin Livneh, Plant Sciences and Genetics.

11:30-11:45 - **A study of the mechanism regulating date fruit development and ripening** (abstract #24). Saar Elbar, Plant Sciences and Genetics.

11:45-12:00 - **Near-infrared spectroscopy potential for medicinal cannabis cultivar classification and cannabinoid and terpene prediction** (abstract #44). Matan Birenboim, Plants Sciences and Genetics.

12:00-12:15 - **Eco-geographic and genomic imprints on Emmer wheat phenotypic performance under Mediterranean climate** (abstract #49). Aviya Fadida Myers, Plant Sciences and Genetics.

12:15-12:30 - **Wet-dry cycles protect surface-colonizing bacteria from antibiotics** (abstract #17). Yana Beizman-Magen, Plant Pathology and Microbiology.

12:30-12:45 - **Not entirely unlike fertilizers, Pseudozyma aphidis promotes plant growth** (abstract #38). Anton Fennec, Plant Pathology and Microbiology.

12:45-14:15- Lunch and posters: Presenters are needed next to their poster at 13:10-14:00

14:15-16:15 - Session 4

14:15-14:30 - **Community composition of microbial microcosms follows simple assembly rules at evolutionary timescales** (abstract #16). Nittay Meroz, Plant Pathology and Microbiology.

14:30-14:45 - **High throughput assembly of microbial communities synergistic pathogen suppression** (abstract #41). Amichai-Baichman-Kass, Plant Pathology and Microbiology.

14:45-15:00 - **Soil degradation risk under a changing climate** (abstract #33). Isaac Kramer, Soil and Water Sciences.

15:00-15:15 - **Rapid electrochemical immunodetection and quantification of microcystins in surface water** (abstract #55). Abraham Ogungbile, Soil and Water Sciences.

15:15-15:30 - **Estimation of farmers' risk preferences from insurance policy choices** (abstract #48). Tom Cromsjo, Environmental economics and management.

15:30-15:50 Coffee break

15:50 -16:15 Thanks (Rotem Kalev-Altman) and Awards (Benny Chefetz)