

# **Bridging the Gap:**

## **From Phenomics to Functional Genetics**

The Robert H. Smith Faculty of Agriculture, Food and Environment, Rehovot, Israel

### **Workshop program:**

#### **Monday 01-04-2019**

**08:30-09:00 - Registration**

09:00-11:00 - Prof. Gota Morota (VT): **Introduction to statistical quantitative genetics**

**11:00-11:15 - Coffee break**

11:15-13:00 - Prof Assaf Distelfeld (TAU): **Genetics in the PanGenome era**

**13:00-14:00 - Lunch**

14:00-16:00 - Prof. Harkamal Walia (UNL): **Introduction to phenomics**

**16:00-16:15 - Coffee break**

16:15-18:00 - Dr. Ittai Herrmann (HUJ): **Spectral sensing of plant traits**

#### **Tuesday 02-04-2019**

09:00-11:00 - Dr. Sarel Hubner (MIGAL): **Introduction to Genome Wide Association**

**11:00-11:15 - Coffee break**

11:15-13:00 - Prof. Gota Morota (VT): **Genetic analysis of time series phenomics**

**13:00-14:00 - Lunch**

14:00-15:00 - Dr. Nir Sade (TAU): **Functional feedback phenotyping platform for controlling soil conditions and evaluating root-plant-atmosphere dynamic response**

15:10-16:00 - Visit to the Faculty of Agriculture Phenomics facility.

**16:00-18:30 - Social event: “The shapes of semolina: A pasta workshop for durum wheat lovers”**

#### **Wednesday 03-04-2019**

09:00-11:00 - Prof. Gota Morota (VT): **Network-based multi-trait models**

**11:00-11:15 - Coffee break**

11:15-13:00 - Prof. Harkamal Walia (UNL): **Image based phenomics**

**13:00-14:00 - Lunch**

14:00-16:00 - Dr. Ran Lati (ARO): **3D plant phenomics**

**16:00-16:30 - Pizza and Beer (joint with FaculTech)**

16:30-18:30 - **Panel discussion on applications and devices for plant sensing**

**Instructors: Dr. Ittai Herrmann (HUJ) and Mr. Barak Dror (FaculTech)**

Denis kuchuk, **Meteo-tech**

Dr. Tal Shilo, **Manna irrigation intelligence**

Nitzan Shatzkin, **Supplant**

Simcha Shore, **AgroScout**

Avi Stein, **Saturas**