



Plant microscopy and image analysis workshop

April 13-14, 2015,

The Volcani Center, Cohen Hall

Final program

Monday, 13.4

8:30-8:50 getting together

8:50-9:00 opening remarks

9:00-10:00 **Benjamin Geiger**, Weizmann Institute of Science

Title: Structure-function multi-dimensional analysis of cell-matrix adhesions

10:00-11:00 **Geoffrey Wasteneys** UBC Canada

Title: Integrative and Quantitative Approaches for Understanding the Dynamic Processes that Drive Plant Development

11:00-11:30 **Zvi Kam**, Weizmann Institute of Science

Title: Microscope image processing; Extending quantitative analysis from tissue culture cells to plants

11:30-12:00 Coffee

12:00-12:20 **Ido Braslavsky**, Hebrew University

Title: Microscopic investigations of freezing processes and their control by ice binding proteins

12:20-12:40 **Gadi Galili**, Weizmann Institute of Science

Title: The adjustment of plant cell biology to stress

12:40-13:00 **Einat Sadot**, ARO

Title: Studies of plant myosins using live cell imaging

13:00-13:20 **Shaul Yalovsky**, Tel-Aviv University

Title: Studies of ROP GTPase membrane interaction dynamics and function during development

13:20-14:00 Lunch

14:00-14:20 **Sigal Savaldi-Goldstein**, Technion

Title: Cell type specific perturbation of hormonal pathways reveals mechanisms underlying coherent growth

14:20-14:40 **Eilon Shani**, Tel-Aviv University

Title: Chemical approaches to image dynamic hormone trafficking pathways in plants

14:40-15:00 **Rivka Elbaum**, Hebrew University

Title: Raman spectroscopy and polarized light microscopy applications in plant cell wall structural and compositional analysis

15:00-15:20 **Haya Friedman**, ARO

Title: Use of roGFP to analyze the oxidative status of different organelles

15:20-15:40 **Roy Weinstein**, Tel-Aviv University

Title: Fluorescence imaging of proteins and small molecules using chemical tools

15:40-16:00 **Gadi Miller** Bar Ilan University

Title: Imaging of ROS in response to stress stimuli in plants

16:00-16:20 **Amnon Lers**, ARO

Title: Localization of the Arabidopsis Senescence- and Cell Death-Associated BFN1 Nuclease: From the ER to Fragmented Nuclei

16:20-16:40 **Hagai Yasuor**, ARO

Title: Role of Auxin in Flower Development and Fruit Set Under Temperature Stress

Tuesday 14.4

9:00-10:15 A class of image analysis **Geoffrey Wasteneys**

10:15-10:45 Coffee

10:45-12:00 A class of image analysis **Geoffrey Wasteneys**

12:00-12:30 Lunch

12:30-14:30 Introduction to Imaris, **Ofra Golani**, Weizmann Institute of Science



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12:30-14:30 Introduction to Imaris: Ofra Golani Weizmann institute

Organizers: Einat Sadot, Mohamad Abu-Abied