I-CORE Center on Plant Adaptation to Changing Environment and
The Manna Center Program for Food Safety & Security
Present:

An Advanced Course on
Plant Epigenetics and Gene Expression in Changing Environments

Tel Aviv University
July 17-21, 2016, 14:00-18:00
(2 credit units with take home exam, course number 0466.4009)

Course Organizers: Dr. Assaf Zemach and Prof. Nir Ohad, Tel-Aviv University

CONFIRMED SPEAKERS
Dudi Bar-Zvi
Ben-Gurion University of the Negev

Nicolas Bouche
Institut national de la recherche agronomique

Idan Efroni
The Hebrew University of Jerusalem

Ofir Hakim
Bar-Ilan University

Nir Ohad
Tel-Aviv University

Naomi Ori
The Hebrew University of Jerusalem

Shay Shilo
The Weizmann Institute of Science

For registration contact: Helena Skibinski
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The course is free of charge for students from Israeli universities. To register students must send a signed copy of their Inter-university agreement form (Ishur Limudim) from their institution and fill out the form at this link: https://foodsecurity.tau.ac.il/food/academics/summer/IsraeliRegForm
For information about additional Food Security summer courses, please visit: https://foodsecurity.tau.ac.il/2016_summer_offerings
An Advanced Course on
Plant Epigenetics and Gene Expression in Changing Environments

A joint ICORE - Manna Center course for MSc and PhD students.

July 17-21, 2016, 14:00-18:00.
An exam will be given at the end of the course.

A concentrated five-day course with 2 x 1.5 hour lectures every day.
Course organizers: Assaf Zemach and Nir Ohad
Course lectures will be in English.

Tentative plan

Sunday 17/07/2016
14:15-15:45 Assaf Zemach – Introduction to chromatin structure and function
16:15-17:45 Nicolas Bouche – natural epialleles

Monday 18/07/2016
14:15-15:45 Dudy Bar-Zvi – Sensing, signaling, and responding to drought and salinity.
16:15-17:45 Ofir Hakim – Genome Regulation in Three Dimensions

Tuesday 19/07/2016
14:15-15:45 Idan Efroni - Differentiation, dedifferentiation and transdifferentiation during root regeneration
16:15-17:45 Naomi Ori - A role for CREL, a VRN5-like gene, in auxin response and leaf development in tomato

Wednesday 20/07/2016
14:15-15:45 Shay Shilo– Genetic and epigenetic patterns of DNA recombination in plants
16:15-17:45 Nir Ohad – The role of H3K27 methylation in Development and adaptation to environmental cues

Thursday 21/07/2016
14:15-15:45 Assaf Zemach- Epigenetics battles during plant seed development
16:15-17:45 Assaf Zemach- discussion on selected topics and exam