COST EPICATCH CA19125 Workshop

Volcani center - Israel

"Epigenetics of temperature & light responses in plants"

DAY 1 - Wednesday, March 15th, 2023

09:00-09:30	Registration
09:30-09:45	Welcome and introduction
	Session 1 **Temperature and light responses in plants** **Chair: David Honys**
9:45-10:30	Keynote lecture: **Pierre Goloubinoff**, University of Lausanne, Switzerland **How do plants feel the heat and survive? Detection of plant epimutants reversibly defective in the heat-shock response (HSR)**
10:30-11:00	**Khalil Kashkush,** Ben-Gurion University, Israel **Structure and extent of DNA methylation- based epigenetic variation in wild emmer wheat (*T. turgidum ssp. dicoccoides*) populations**
11:00-11:30	**Eyal Fridman**, Volcani Center, Israel **Barley thermal plasticity under warming environment - tango of two genomes**
11:30-12:00	Coffee break
12:00-12:30	**Giora Ben-Ari**, Volcani Center, Israel **Elevated temperatures negatively affect olive oil production and quality**
12:30-13:00	**David Honys**, Czech Academy of Sciences, Czech Republic **Multi-omics approach to describe gene expression dynamics in developing pollen of Arabidopsis thaliana**
13:00-13:30	**Yogev Burko**, Volcani Center, Israel **Regulation of plant growth in response to environmental changes**
13:30-14:00	**Eirini Kaiserli,** Glasgow University, United Kingdom **TANDEM ZINC-FINGER/PLUS3 integrates light and warm temperature signalling in plant nuclear hubs**
14:00-15:30	Free time
	Session 2 **Plant epigenetic mechanisms** **Chair: Sotirios Fragkostefanakis**
15:30-16:15	Keynote lecture: **Nir Ohad**, Tel-Aviv University, Israel **The role of epigenetic regulation in autonomous embryo development**
16:15-16:45	**Ofir Hakim**, Bar-Ilan University, Israel **1D and 3D modes of gene regulation**
16:45-17:15	**Naama Segal**, IOLR, The National Center for Mariculture, Israel **Epigenetic mechanisms involved in foreign gene expression silencing in different microalgae**
17:15-17:30	Closing remarks

DAY 2 - Thursday, March 16th, 2023

09:00-09:15	Opening
	Session 3 **Epigenetic aspects of temperature and light responses in plants** **Chair: Eirini Kaiserli**
09:15-10:00	Keynote lecture: **Martijn Van Zanten**, Utrecht University, The Netherlands **Optimal plant performance under suboptimal high temperature conditions; HDA9 promotes auxin biosynthesis to trigger thermomorphogenesis**
10:00-10:30	**Sophie Brunel-Muguet**, INRAE, France **Towards a better characterization of heat stress recurrence: A case study in oilseed rape**
10:30-11:00	**Rea Laila Antoniou Kourounioti**, Glasgow University, United Kingdom **Epigenetic and cold-dependent control of flowering time in Arabidopsis**
11:00-11:30	Coffee break
11:30-11:50	**Puglia Giuseppe Diego,** Institute for Agricultural and Forestry Systems in the Mediterranean, National Research Council, Italy **Alternating temperatures trigger dormancy release through epigenetic regulation in Cynara cardunculus**
11:50-12:10	**Michal Lieberman-Lazarovich**, Volcani Center, Israel **The role of DNA methylation in heat stress response in tomato**
12:10-12:40	**Sotirios Fragkostefanakis**, Goethe University Frankfurt am Main, Germany **Regulation of heat stress response and thermotolerance: how plants survive, recover and remember the hot days**
12:40-13:10	**Moussa Benhamed**, University of Paris-Saclay, France **Exploring the chromatin-based regulation of enhancer promoter contact and its impact on gene expression in tomato**
13:10-13:20	Closing remarks