

RECROP CA22157 Workshop

Agadir Horticultural Complex, Agadir, Morocco

"Temperature and Light Responses in Plants for Crop Resilience to a Changing Climate"

Location: Horticultural Complex Agadir, Agadir, Morocco

DAY 1 - Monday, 28.04.2025

09:00-09:30	Registration	
09:30-09:45	Welcome (Dr. Farid Lekjaa)	
09:45-10:00	Introduction to RECROP (Dr. Sotirios Fragkostefanakis)	
#	Time	Session 1
		Temperature responses in plants
		Chairs: Helene Robert Boisivon, Yogev Burko
1	10:00-10:30	Invited lecture: Phil Wigge, University of Potsdam Going through a phase? Temperature stress signaling in <i>Arabidopsis</i>
2	10:30-11:00	Invited lecture: Ive de Smet, VIB The heat is on: phosphorylation-driven signaling fine-tunes physiological responses
3	11:00-11:30	Invited lecture: Helene Robert Boisivon, CEITEC Masaryk University Impact of heat on seed development in <i>Arabidopsis thaliana</i> and <i>Brassica napus</i>
	11:30-12:00	Coffee break
4	12:00-12:30	Invited lecture: Michal Lieberman-Lazarovich, Volcani Institute Heat stress response in commercial tomato varieties
5	12:30-12:45	Selected talk: Mourad Touaf, Ibn Zohr University Effect of an extreme heat peak on the physiological performances of <i>Tetraclinis articulata</i>
6	12:45-13:00	Selected talk: Dana Charuvi, Volcani Institute Priming avocado 'Hass' trees for cold and heat stress
7	13:00-13:30	Invited lecture: Martijn Van Zanten, Utrecht University Thermomorphogenesis: Achieving optimal plant performance under non-optimal temperature conditions
8	13:30-13:45	Selected talk: Avilien Dard, VIB Surfing the ROS wave: HDA6's journey from chromatin to cytosolic stress granules. Unveiling redox-regulation of protein phase separation during heat stress.
9	13:45-14:15	Invited lecture: Sotirios (Akis) Fragkostefanakis, Goethe University Frankfurt Transcription and RNA splicing factors: The masters and commanders of thermotolerance
	14:15-15:30	Lunch & Poster session
#	Time	Session 2

		Light and temperature signaling crosstalk in plants Chairs: Amal Bouryad, Giorgio Perrella
10	15:30–16:00	Invited lecture: Ullas Pedmale, Cold Spring Harbor Laboratory Light as an architect: How light quality shapes plant structure
11	16:00-16:30	Invited lecture: Yogev Burko, Volcani Institute How tomato grows tall: Species-specific PIF roles in response to environmental stimuli
12	16:30-16:45	Selected talk: Laila Boukhalef, Ibn Zohr University Adaptation to light in <i>Argania spinosa</i> : perspectives from a comparative analysis of sun and shade leaves
13	16:45-17:00	Selected talk: Eirini Patitaki, University of Glasgow Decoding the plant's thermostat: The dual role of blue light signalling in thermomorphogenesis in <i>Arabidopsis</i>
14	17:00-17:30	Invited lecture: Eirini Kaiserli, University of Glasgow Balancing light-regulated plant growth and thermotolerance

DAY 2 - Tuesday, 29.04.2025

#	Time	Session 3 Plant health, development, and reproduction under climatic changes Chairs: Amal Aithida, Martijn Van Zanten
14	09:15-09:45	Invited lecture: Yvonne Stahl, Goethe University Frankfurt Lessons from the underground: The molecular control of root meristems
15	09:45-10:00	Selected talk: Fahim Ullah Khan, Hazara University Unravelling molecular and nutritional pathways in wheat under heat and cold stress for climate resilience
16	10:00-10:15	Selected talk: Dunja Samec, University North Changes in bioactive compounds of flat leaf kale (<i>Brassica oleracea</i> var. acephala) under low-temperature stress
17	10:15-10:45	Invited lecture: Mayad El Hassan, Agadir University Nematodes as bioindicators of soil health in agroecosystems: Insights from the arganeraie biosphere under changing pedoclimatic and anthropogenic pressures
	10:45-11:15	Coffee break
18	11:15-11:45	Invited lecture: David Honys, Czech Academy of Science The role of eIF3M/HSP70 module in pollen and pollen tube stress response
19	11:45-12:00	Selected talk: Obidari Tayeb, Ibnou Zohr University Microbial communities and high trophic level nematodes in protected argan soil show strong suppressive effect against <i>Meloidogyne</i> spp.
20	12:00-12:15	Selected talk: Touaf Mourad, Ibnou Zohr University Impact of short-term extreme temperature event and drought on the physiological performance of <i>Tetraclinis articulata</i> (Vahl)
21	12:15-12:45	Invited lecture: Rachid Bouharroud, INRA Agadir Light: A forgotten component for monitoring and control in IPM approaches

22	12:45-13:15	Invited lecture: Giorgio Perrella, University of Milano Uncovering novel cross-talks between epigenetic modifiers and environmental signals during plant development
	13:15-13:30	Closing remarks
	13:30-15:00	Lunch & Poster session