

	Summer School “Why do we study plants”
	Padova 3rd - 11th July 2025
Thursday 3 July	University of Padova Botanical Garden
9:00-9:30am	Welcome to the Participants
	<i>Focus on photosynthesis</i>
9:30 – 10:45	Prof. Alessandro Alboresi (DipBio UNIPD) Key Mechanisms of Photosynthesis
11:15 – 12.30	Prof. Alessandro Alboresi (DipBio UNIPD) Photosynthesis under Variable Environmental Conditions
	Lunch
14:00 – 15.15	Prof. Tomas Morosinotto (DipBio UNIPD) Improving Productivity by Engineering Photosynthesis
15:15 – 16:30	Prof. Ballottari (Università di Verona) Biomass and Carotenoid Production from Photosynthetic Microorganisms
17:00 – 18:00	Interactive lecture
Friday 4 July	University of Padova Botanical Garden
	<i>Focus on Plant and Environment</i>
9:00 – 10:15	Prof. Andrea Pitacco
10:15 – 11.30	Prof. Jordi Martinez-Vilalta (University of Barcellona) Phenology and biochemical cycle
11:45 – 13.00	Artist Paula Bruna (Spain) Plants play arts
	Lunch
14:30 – 18:30	Guided visit at Botanical Garden
	Plant Measurements at Botanical Garden
Sunday 6 July	
8:30	Trip to San Vito di Cadore
14:30 – 18:30	Excursion with Prof. Petit, Prof. Lingua and Prof. Campagnaro (UNIPD TESAF)

19:30	Dinner
Monday 7 July	Focus: Environment and Forest Plants
9:00 – 10:15	Prof. Gaii Petit UNIPD The tree structure and function
10:15 – 11.30	Adriano Losso (University of Innsbruck) Water relations in plants
11:45 – 13.00	Prof. Emanuele Lingua (UNIPD) Natural disturbances
14:30 – 15:45	Prof. Thomas Campagnaro (UNIPD) Invasive species
15:45 – 17:00	Prof. Marco Todesco UBC Vancouver Canada Plant evolution and adaptation
Tuesday 8 July	Focus on: Plant genetics and development
9:00 – 10:15	Prof. Michele Morgante UNIUD Plant genomics
10:15 – 11.30	Prof. Gabriella Consonni UNIMI Plant developmental genetics
12:00 – 13.15	Plant flowering Prof. Thorogood University of Oxford UK Saving the world's largest flowers' – a journey across Southeast Asia examining the world's largest flowers (genus Rafflesia) and our efforts to save them from extinction
	Lunch
14:30 – 15:45	Prof. Fabio Palumbo UNIPD Plant reproduction
15:45 – 17:00	Prof. Francesca Secchi UNITO Plant stress response
17:30-18:45	Interactive lecture: Plant biotechnologies
Wednesday 9 July	<i>Focus: plant microorganism and animal interaction</i>
9:00 – 10:15	Dr. Roberto Defez CNR Napoli Plants and microorganisms, from a score for two instruments to a concert for a large orchestra

10:15 – 11.30	Prof. Alessio Mengoni UNIFI
	Tailored bioinoculants: deciphering symbiotic nitrogen fixing rhizobia genotype x genotype interaction in the plant microbiome
12:00 – 13.15	Prof. Giovannetti UNITO Arbuscular mycorrhizal symbiosis: an ancient ally for today's agricultural challenges"
	Lunch
14:30 – 15:45	Dr. Luca Nerva CREA Viruses: The Invisible Architects of Ecosystems and Evolution
15:45 – 17:00	Prof. Lorenzo Marini UNIPD Plant- insect interaction
17:30 - 18:30	Prof. Andrea Battisti UNIPD Plant- insect interaction
20:45 – 22:00	Prof. Thorogood University of Oxford Vampires, killers and inkjet printers' – a lecture examining the biology of carnivorous and parasitic plants, and the biomimetic potential of non-model organisms
Thursday 10 July	<i>Focus on: Plant and Agriculture</i>
9:00 – 10:15	Prof. Lorenzo Favaro/Prof. Marina Basaglia UNIPD Microorganisms and agriculture
10:15 – 11.30	Prof. Marco Acutis UNIMI (to be confirmed) Food production and sustainability
12:00 – 13.15	Prof. Giovanni Dal Corso UNIVR Phytoremediation
	Lunch
14:30 – 15:45	Prof. Alessio Terzi University of Cambridge Green Deal
15:45 – 17:30	Round table Prof. Pasquale Steduto FAO Alex Kleidon Max Plank Institute Jena, Germany
Friday 11 July	<i>Focus: plants and humans</i>
9:00 – 10:15	Jess Gersony Smith College, USA Plant and art (webinar)

10:15 – 11.30	Prof. Giuseppe Barbera Università di Palermo Green Architecture
12:00-13:00	Students' presentations
	Lunch
14:30 – 15:45	Concluding Lectures Prof. Alessandro Cescatti JRC Ispra
15:45 – 17:00	Prof. Dennis Baldocchi
17:30 - 18:30	Alex Kleidon Max Plank Institute Jena, Germany