



## PhD School

# Molecular and Biophysical Bases of Photosynthesis

### 24<sup>th</sup>-28<sup>th</sup> January 2022

### Venice, Italy

The school is organized by Tomas Morosinotto, Giovanni Finazzi, Jeremy Harbinson, Michael Hippler, Anja Krieger-Liszkay, Johannes Messinger, Giorgio Perin. The school is supported by the Italian Society for Pure and Applied Biophysics, the Venetian Institute of Sciences, Literature and Art and the German Botanical Society. The Venetian Institute will provide the venue of the meeting, Palazzo Franchetti †, a fantastic venetian palace close to Canal Grande and Accademia.

Lecturers will cover different aspects of photosynthesis, with a strong emphasis on interdisciplinarity, and will stay for the whole duration of the school to give students the opportunity to interact with them informally, beyond the lecture.

The school will host 30\* international students, selected on abstract covering their research interests. Several students' presentations and two discussion sessions are also scheduled in the program to give the students the opportunity of discussing the details of their own work.

**Participation (including accommodation, coffee breaks and social dinner): 400 €**

**Send your abstract to: [mbphotosynthesis2022@gmail.com](mailto:mbphotosynthesis2022@gmail.com)**

**Deadline for abstract submission: 06<sup>th</sup> December 2021**

**Selection of students: 21<sup>st</sup> December 2021**

#### **Program:**

- Primary reactions of photosynthesis
- Structure of photosynthetic complexes
- Dynamics of thylakoid structure
- Artificial photosynthesis
- Light harvesting
- Photoprotection
- Regulation of photosynthetic electron transport
- Interconnection between photosynthesis and respiration
- The role of ion channels in photosynthesis
- Carbon fixation in algae and plants
- High-throughput phenotyping
- Ecology of photosynthesis
- Experimental methods for the study of photosynthesis
- Approaches to improve photosynthesis

† [http://en.wikipedia.org/wiki/Palazzo\\_Cavalli-Franchetti](http://en.wikipedia.org/wiki/Palazzo_Cavalli-Franchetti)

\* The venue can host 30 students in compliance with present COVID-19 rules. The number will be possibly increased depending on updated protocols. Proof of vaccination will be required to guarantee participation

**Any question? Send an e-mail to: [mbphotosynthesis2022@gmail.com](mailto:mbphotosynthesis2022@gmail.com)**