The symposium honors the fundamental and far-reaching contributions of Professor Gregorio Weber. It provides an overview of modern fluorescence methodologies and applications in the biological and medical sciences. Weber symposia have been held roughly every three years since 1986 in various locations such as Italy, Hawaii and Brazil. Speakers describe state-of-the-art and emerging technologies.

Topics include:
- Time-resolved fluorescence
- Lifetime and Spectral Phasors
- Förster resonance energy transfer
- Multi-photon fluorescence microscopy
- Super-Resolution microscopy
- Single molecule studies
- Fluctuation correlation spectroscopy
- Fluorescence imaging spectroscopy
- Macromolecular (nucleic acids and proteins) interactions
- Membrane dynamics
- Quantitative cellular dynamics

The venue for the 2023 meeting is:
The Grand Hotel, Punta del Este, Uruguay

The deadline for registration and abstract submission is September 26th 2022