

## AVVISO DI SEMINARIO

Il giorno 12/11/2025  
alle ore 14:30 in Aula 20 - H

**Il prof. John Kennis**  
Vrije Universiteit Amsterdam

Terrà un seminario dal titolo

### **How life sees light: activation mechanisms of photosensory receptor proteins**

Prof. Dr. John Kennis studies the physical-chemical mechanisms of reception, storage and processing of photic information and energy in photosensory signal transduction and photosynthesis.

**Abstract:** Nature has evolved a wide array of photosensory systems to enable organisms to sense and respond to their light environment. Photosensory receptor proteins provide unique opportunities to understand the essential principles of signal transduction and protein function because they can be activated by light, rendering them amenable to advanced biophysical experimental methods. Here I will show how time-resolved spectroscopy from the femtosecond to millisecond timescale, in particular UV-visible, femtosecond stimulated Raman and mid-infrared spectroscopy may be employed to gain considerable insights into their photoactivation mechanisms.

**Gli interessati sono cordialmente invitati a partecipare**

Il Direttore  
Prof. Fabio Bellina

Il Responsabile  
Prof. Benedetta Mennucci