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# Light-matter Interactions from scratch: Theory and Experiments at the Border with Biology | (smr 3637)

## Tuesday 23 November 2021

### DAY 2: Chairpersons: Anna Painelli, Mahesh Hariharan - Online (09:00-13:00)

time	title	presenter
09:00	Ultrafast charge separation and vibrational control of photochemical dynamic	JULIA WEINSTEIN
	- Introductory part (09:00-9:30)	
	- Q&A session	
	- Research talk (09:45-10:15)	
10:15	Break	
10:30	The mighty power of photosynthesis. From solar light to semiartificial photosynthesis	MASSIMO TROTTA
	- Introductory part (10:30-11:00)	
	- Q&A session	
	- Research talk (11:15-11:45)	
11:45	Break	
12:00	Contributed talks - Dynamical processes: electron and energy transfers, quantum biology (DynET)	
	- Tracking the early events of aggregation in A $\beta$ Switch peptides employing Protein Charge-Transfer Spectra	SHAH EKRAMUL ALOM
12:20	Contributed talks - Excited states, photophysics and photochemistry in biological matter (ESPP)	
	- Real-time tracking of coherent vibrational motion in ground and excited electronic states: Implications in biology	SHAINA DHAMIJA
	- X-ray absorption signature of short hydrogen bonds	URIEL MORZAN