

	25 th January 2016		26 th January 2016	27 th January 2016	28 th January 2016	29 th January 2016
TOPIC	STRUCTURAL ASPECTS OF PHOTOSYNTHESIS		REGULATION OF ELECTRON/ PROTON TRANSPORT	LIGHT HARVESTING AND ITS REGULATION	LIGHT HARVESTING/ PHOTOPROTECTION MECHANISMS	CARBON FIXATION AND PHOTORESPIRATION
9.00-9.30	Opening remarks	9.00-10.30	Lecture 5 PIERRE CARDOL <i>Methods to quantify photosynthetic alternative electron flows</i>	Lecture 8 EVA MARI ARO <i>Regulation of photosynthetic light reactions in cyanobacteria and plants - emphasis on fluctuating light conditions</i>	Lecture 10 ELISABETTA COLLINI <i>Quantum coherence in light harvesting and photosynthesis: physical origin, biological significance and possible implications</i>	Lecture 13 ANDREAS WEBER <i>Understanding and improving photosynthetic carbon</i>
9.30-11.00	Lecture 1 PIERRE JOLIOT <i>An overview of photosynthesis: historical aspects</i>					
11.00-11.30	Coffee break	10.30-11.00	Coffee break	Coffee break	Coffee break	Coffee break
11.30-13.00	Lecture 2 JEAN-DAVID ROCHAIX <i>Regulation of light-harvesting and biogenesis of the photosynthetic apparatus</i>	11.00-12.30	Lecture 6 FABRICE RAPPAPORT <i>Regulation of the light-driven photosynthetic electron transfer chain: an illustration of some basic regulatory, tentative principles.</i>	Lecture 9 ROBERTA CROCE <i>Harvesting the rainbow: natural strategies for photosynthetic light-harvesting</i>	Lecture 11 ROBERTO BASSI <i>Sharing light harvesting proteins between photosystems in lower versus higher plants</i>	Lecture 14 PAOLO TROST <i>Redox regulation of the Calvin Benson cycle: emerging</i>
13.00-15.30	Lunch	12.30-14.30	Lunch	Lunch	Lunch	13.00-13.30 : <i>Closing remarks</i>
15.30-17.00	Lecture 3 MATT JOHNSON <i>Atomic force microscopy studies on the thylakoid membrane</i>	14.30-16.00	Lecture 7 GIOVANNI FINAZZI <i>Exchanges between the chloroplast and the cytoplasm</i>	Free Afternoon	Lecture 13 DONATELLA CARBONERA <i>EPR spectroscopy in photosynthesis: insights into molecular mechanisms</i>	
17.00-17.30	Coffee break	16.00-16.30	Coffee break		Coffee break	
17.30-19.00	Open lecture (for Academy members and general public) - <i>20th year of the school in Biophysics.</i> JIM BARBER <i>From Natural to Artificial Photosynthesis and its Global Importance</i>	16.30-18.00	Poster session	Free Afternoon	Lecture 14 KLAUS MOEBIUS <i>Trehalose matrix effects on light-induced charge-separation and -recombination kinetics in photosynthetic reaction centers at different dehydration levels</i>	
19.00-19.30	<i>General discussion on the "Importance of Photosynthesis for the future"</i>				From 19.00 DINNER	