

	Monday June 26	Tuesday June 27	Wedn. June 28	Thursday June 29	Friday June 30
09:30-10:30		Loredana Casalis AFM imaging models	Laura Ballerini Nanotechnology for Neuroscience	Dan Cojoc Optical microscopy for cell imaging	ELETTRA-TASC Lab Visit
10:30-11:30		Loredana Casalis High resolution AFM imaging in liquid	Laura Ballerini Nanotechnology for Neuroscience	Dan Cojoc Optical microscopy for cell imaging	Silvia Onesti Sample preparation for structural biology
11:30-12:30		Marco Lazzarino Single molecule force microscopy AND Single cell force microscopy	Denis Scaini Multielectrode arrays and miniaturized devices for electrophysiological applications	Dan Cojoc Optical tweezers for cell stimulation and probing	Silvia Onesti Introduction to structural biology techniques
12:30-14:00 Lunch					
14:00-15:30	Vincent Torre New experimental methods in Neurobiology	Pietro Parisse Single molecule AFM imaging	Seminar (Michele Giugliano)	Seminar (Catherine Venien-Bryan)	Luisa Napolitano Examples of structures relevant to neurobiology
15:30-17:00	Marco Lazzarino Introduction to Atomic Force Microscopy, mechanics and mechanobiology	INTRODUCTION to AFM: the LABS			Practicals: SB-A,B,C
17:00-18:00					

GROUPS: A,B,C each group composed of 5 students. The Experimental Sessions will be held and supervised by: F. Ulloa Severino for EP1 and EP2, R. Rauti for IMG, L. Andolfi and D. Tierna for AFM1, P. Parisse for AFM2, F. Falleroni and V. Cotta for OT1 and 2, L.M.R. Napolitano and M. De March for Structural Biology.

Practicals: EP1,2=Electrophysiology 1,2; IMG= Ca²⁺ Imaging; OT1,2= Optical tweezers 1,2;

AFM1,2= Atomic force microscopy 1,2, SB= Structural Biology

Seminars	Lectures	Practicals	Lab Visits
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	Monday July 03	Tuesday July 04	Wedn. July 05	Thursday July 06	Friday July 07
09:00-10:00	Seminar (Jing Hu) and then students' presentations	Practicals: EP1-A IMG-B AFM1-C	Practicals: EP2-A OT1-B AFM2-C	Practicals: AFM2-A OT2-B EP1-C	Practicals: OT2-A AFM2-B IMG-C
10:00-11:00					
11:00-12:00					
12:00-13:00					
Lunch					Closing remarks
14:00-15:00	Free Afternoon to meet lecturers and SISSA PhD students	Practicals: AFM1-A EP1-B OT1-C	Practicals: IMG-A EP2-B OT2-C	Practicals: OT1-A AFM1-B EP2-C	
15:00-16:00					
16:00-17:00					
17:00-18:00					

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Seminars Practicals Free