

	Monday 9	Tuesday 10	Wednesday 11	Thursday 12	Friday 13
9.00-9.50	<i>WELCOME</i>	NB: Lecture 1 CASALIS <i>Intro AFM</i>	SB: Lecture 6 RIZZI <i>Drug Design</i>	NB: Lecture 3 FERNANDEZ <i>Single Mol. Biomechanics</i>	FERNANDEZ <i>Single Mol. Biomechanics Data Analysis</i>
9.50-10.40	NB: General intro to the field CASALIS	NB: Lecture 2 CASALIS <i>AFM Imaging</i>	SB: Lecture 7 RIZZI <i>Drug Design</i>	NB: Lecture 4 FERNANDEZ <i>Single Mol. Biomechanics</i>	FERNANDEZ <i>Single Mol. Biomechanics Data Analysis</i>
Coffee					
11.10-12.00	SB: General intro to the field ONESTI	SB: Lecture 3 FRATERNALI <i>BioInformatics</i>	Z. SAYERS (Including intro to SESAME)	SB: Lecture 8 SAYERS SAXS	D. SHADRAK
12.00-12.50	CB: General intro to the field HASSANALI	SB: Lecture 4 FRATERNALI <i>BioInformatics</i>	A. ABDALLA, M. NKOUA	SB: Lecture 9 SAYERS SAXS	DISCUSSION
Lunch		POSTER SESSION		POSTER SESSION	
14.30-15.20	SB: Lecture 1 ONESTI <i>Macromol. Crystallog.</i>	SB: Lecture 5 OLAJUYIGBE <i>Crystallization</i>	M. RIZZI	F. FRATERNALI	Free
15.20-16.10	SB: Lecture 2 ONESTI <i>Macromol. Crystallog.</i>	Practical SB-A Practical NB1-B Practical CB1-C	Practical SB-B Practical NB1-C Practical CB1-A	Practical SB-C Practical NB1-A Practical CB1-B	Free
Coffee					
16:30-17:20	CB: Lecture 1 HASSANALI <i>Molecular Modeling</i>	Practical SB-A Practical NB1-B Practical CB1-C	Practical SB-B Practical NB1-C Practical CB1-A	Practical SB-C Practical NB1-A Practical CB1-B	
17:20-18:10	CB: Lecture 2 HASSANALI <i>Molecular Modeling</i>	Practical SB-A Practical NB1-B Practical CB1-C	Practical SB-B Practical NB1-C Practical CB1-A	Practical SB-C Practical NB1-A Practical CB1-B	
Dinner					

	Monday 16	Tuesday 17	Wednesday 18	Thursday 19	Friday 20
9.00-9.50	NB: Lecture 5 SCHMIDT <i>Intro to Cell Mechanics</i>	CB: Lecture 3 LAIO <i>Data Science</i>	CB: Lecture 6 RODRIGUEZ <i>Data Science</i>	CB: Lecture 8 COSSIO <i>Data Science</i>	H. SWAI
9.50-10.40	NB: Lecture 6 SCHMIDT <i>Non-equilibrium dynamics in Biology</i>	NB: Lecture 4 LAIO <i>Data Science</i>	CB: Lecture 7 COSSIO <i>Data Science</i>	A. LAIO	S. ONESTI L. CASALIS
Coffee					
11.10-12.00	NB: Lecture 7 RONDELLI <i>Scattering</i>	CB: Lecture 5 COSSIO <i>Data Science</i>	V. RONDELLI	C. SCHMIDT	Close and discussion
12.00-12.50	J. FERNANDEZ	NB: Lecture 8 RONDELLI <i>Scattering</i>	P. COSSIO	A. MOHAMMED KHALID	
Lunch		POSTER SESSION		POSTER SESSION	
14.30-15.20	M. NKOUA	TATIANA P.	L. KIRURI	F. OLAJUYIGBE	
15.20-16.10	OMOLOLU-ICTP KIGALI	Practical NB2-A Practical CB2-B Practical CB3-C	Practical NB2-B Practical CB2-C Practical CB3-A	Practical NB2-C Practical CB1-A Practical CB2-B	
Coffee					
16:30-17:20	STUDENTS TALKS	Practical NB2-A Practical CB2-B Practical CB3-C	Practical NB2-B Practical CB2-C Practical CB3-A	Practical NB2-C Practical CB2-A Practical CB3-B	
17:20-18:10	STUDENTS TALKS	Practical NB2-A Practical CB2-B Practical CB3-C	Practical NB2-B Practical CB2-C Practical CB3-A	Practical NB2-C Practical CB2-A Practical CB3-B	
Dinner					

SOFT SKILLS: HOW TO PRESENT YOUR WORK, Onesti

SOFT SKILLS: HOW TO WRITE A PROPOSAL (OWSD- ELETTRA), Casalis

	Lectures
	Research Seminars
	Practicals
	Soft Skills

LECTURES & RESEARCH SEMINARS

Lectures are divided into 3 main areas:

Structural Biology/Bioinformatics (SB): FRATERNALI, OLAJUYIGBE, ONESTI, RIZZI, SAYERS

Nanobiophysics and nanomedicine (NB): CASALIS, MOHAMMED KHALID, FERNANDEZ, NKOUA, RONDELLI, SCHMIDT

Computational Biophysics (CB): HASSANALI, LAIO, COSSIO, KIKURI, MADULU, RODRIGUEZ

PRACTICALS:

Students will be divided into 3 groups (A,B,C), and rotate them among the practicals.

SB: Crystallization (ONESTI/FOLASADE/RIZZI 50-60min) + Bioinformatics (FRATERNALI/KLEINJUNG)

NB1: AFM imaging of cells and fibrils

NB2: AFM imaging of supported liquid bilayers

CB1:

CB2:

CB3: