Course	Teaching Module	CFU	Reference Lecturer
A	Bioinformatics	8	Sandro Cosconati
B	Cancer Biology	12	Nicoletta Potenza
C	Innovative omics technologies in biomolecular sciences	8	Monica Scognamiglio
D	Drug design and development	8	Ivana d'Angelo
E	Immunology and Microbiology	8	Mirko Cortese
F	Cellular and molecular bases of Human diseases	20	Andrea Riccio
G	Structural biology and protein function	16	Luigi Russo

Date	hours	time	Lesson format	Lecturer's Name	Lecturer's e-mail	Teaching module	Lesson Title
10/03/25	2	9,30-11,30	BLENDED	**Luigi Russo**	luigi.russo2@unicampania.it	G	NMR in structural biology
10/03/25	2	11,30-13,30	BLENDED	Ilaria Baglivo	ilaria.baglivo@unicampania.it	G	Expression and purification of recombinant proteins: starting from cloning design to obtain a purified protein
10/03/25	2	14,30-16,30	MS-TEAMS	Martino Bolognesi	martino.bolognesi@unimi.it	G	A revolution in Structural Biology: principles, resolution, and perspectives of single particle cryo electron microscopy
17/03/25	2	9,30-11,30	BLENDED	Ilaria Baglivo	ilaria.baglivo@unicampania.it	G	DNA-protein interaction and protein-protein interaction
17/03/25	2	11,30-13,30	MS-TEAMS	Luigi Vitagliano	luigi.vitagliano@unina.it	G	X-ray Crystallography: principles and applications
24/03/25	2	9,30-11,30	MS-TEAMS	Bruno Hay Mele	bruno.haymele@unina.it	G	Demystifying New-generation Protein Structure Prediction: A Hands-On Tutorial with AlphaFold and Alphamissense
24/03/25	2	11,30-13,30	BLENDED	**Sandro Cosconati**	sandro.cosconati@unicampania.it	A	From Receptor- to Artificial Intelligence-Based Methods in Drug Discovery
24/03/25	2	14,30-16,30	BLENDED	Gianluca D'abrosca	g.dabrosca@unilink.it	G	NMR training section
31/03/25	2	9,00-11,30	MS-TEAMS	Claudia Angelini	claudia.angelini@cnr.it	A	Introduction to ChIPseq and ATAC-seq data Analysis
31/03/25	2	11,30-13,30	MS-TEAMS	Annamaria Carissimo	annamaria.carissimo@cnr.it	A	Introduction to RNA-Seq data Analysis
31/03/25	2	14,30-16,30	BLENDED	Francesco Cecere	francesco.cecere@cnr.it	A	Decoding the Epigenome: DNA Methylation Analysis with NGS & Array
07/04/25	2	9,00-12,00	BLENDED	Angela Sparago	angela.sparago@unicampania.it	C	Genomics: from function to disease
07/04/25	2	11,30-13,30	BLENDED	**Monica Scognamiglio**	monica.scognamiglio@unicampania.it	C	Metabolomics in biomolecular sciences
07/04/25	2	14,30-16,30	MS-TEAMS	Gianluica Picariello	gianluca.picariello@isa.cnr.it	C	A general overview of Proteomics: Principles, techniques and possible applications
08/04/25	2	14,30-16:30	MS-TEAMS	Rita Berisio	rita.berisio@cnr.it	G	Structural biology and human health
14/04/25	2	9,30-11,30	BLENDED	Monica Scognamiglio	monica.scognamiglio@unicampania.it	C	Hands-on Laboratory for Multivariate Data Analysis in Omics
14/04/25	2	11,30-13,30	MS-TEAMS	Brunella Franco	franco@tigem.it	F	The expanding world of cilia: from basic meccanisms to genetic disorders
14/04/25	2	14,30-16,30	MS-TEAMS	Vincenzo Nigro	vincenzo.nigro@unicampania.it	F	Undiagnosed genetic diseases
28/04/25	2	9,30-11,30	MS-TEAMS	Susan Costantini	s.costantini@istitutotumori.na.it	F	Metabolomics studies integrated with computational biology approaches for the research of novel cancer boimarkers and therapeutic strategies
28/04/25	2	11,30-13,30	MS-TEAMS	Elia Di Schiavi	elia.dischiavi@cnr.it	F	An invertebrate model organism for understanding the molecular bases of human diseases: Caenorhabditis elegans
28/04/25	2	14,30-16,30	MS-TEAMS	Sandro Banfi	banfi@tigem.it	F	Non-coding RNAs in health and disease
05/05/25	2	9,30-11,30	BLENDED	Pieter De Lange	pieter.delange@unicampania.it	F	Exerkines from muscle to brain
05/05/25	2	11,30-13,30	MS-TEAMS	Manuela Morleo	manuelaanna.morleo@unicampania.it	F	Gene variant interpretation in rare diseases
05/05/25	2	14,30-16,30	MS-TEAMS	Vincenzo Giambra	v.giambra@operapadrepio.it	B	Old and new frontiers in CAR T-cell therapy
12/05/25	2	9,30-11,30	MS-TEAMS	Maria Matarazzo	maria.matarazzo@igb.cnr.it	F	Correction of disease-causing DNA mutations by CRISPR/Cas9 gene editing: Insights from ICF syndrome studies
12/05/25	2	11,30-13,30	MS-TEAMS	**Andrea Riccio**	andrea.riccio@unicampania.it	F	Maternal-effect mutations and imprinting disorders
12/05/25	2	16,30-18,30	MS-TEAMS	Francesca Telese	ftelese@ucsd.edu	F	Gene regulatory mechanisms in brain function and disease
19/05/25	2	9,30-11,30	BLENDED	**Nicoletta Potenza**	nicoletta.potenza@unicampania.it	B	Non-coding RNA in Cancer Biology
19/05/25	2	11,30-13,30	MS-TEAMS	Pietro Carotenuto	p.carotenuto@tigem.it	B	Molecular Oncology in the era of Precision Medicine
19/05/25	2	14,30-16,30	MS-TEAMS	Erica Salvati	erica.salvati@cnr.it	B	Telomere Targeting Approaches in Cancer: Beyond Length Maintenance
26/05/25	2	9,30-11,30	MS-TEAMS	Fernando Gianfrancesco	fernando.gianfrancesco@igb.cnr.it	B	Molecular and cellular mechanisms underlying skeletal tumours
26/05/25	2	11,30-13,30	MS-TEAMS	Vittoria Graziani	vittoria.graziani@icr.ac.uK	B	Metabolic vulnerabilities in cancer
26/05/25	2	14,30-16,30	BLENDED	Stefano Tomassi	s.tomassi@unilink.it	D	Nucleic Acid-Based Drugs – Basic Concepts and Their Applications
09/06/25	2	9,30-11,30	BLENDED	**Ivana d'Angelo**	ivana.dangelo@unicampania.it	D	Delivery Systems for the Controlled Release of Active Molecules: a Glimpse of Pharmaceutical Sciences
09/06/25	2	11,30-13,30	BLENDED	Stefano Tomassi	s.tomassi@unilink.it	D	Radiopharmaceuticals – Theoretical Aspects, Chemical-Pharmaceutical Considerations, and Quality Control
09/06/25	2	14,30-16,30	MS-TEAMS	Manuela Giovanna Basilicata	manuelagiovanna.basilicata@unicampania.it	D	In Vitro ADME analysis: Comprehensive in vitro DMPK, and drug transporter studies for preclinical drug development
16/06/25	2,5	9,00-11,30	MS-TEAMS	Diana Boraschi	diana.boraschi@gmail.com	E	Innate immunity
16/06/25	2,5	11,30-15,00	MS-TEAMS	**Mirko Cortese**	mirko.cortese@unicampania.it	E	Introduction to virology
16/06/25	2,5	15,00-17,30	MS-TEAMS	Paola Italiani	paola.italiani@ibbc.cnr.it	E	Innate immune memory