

TeCSBi PhD Course - CALL XL CYCLE - LIST OF AVAILABLE RESEARCH TOPICS

Research Topic ID	Proponent	Title	Position
XL - 1.1	AIROLDI Cristina	Development and application of advanced technologies for the structural characterization of biomolecules and their interactions.	ordinary
XL - 1.2	BIELLA Paolo	Reversing human impact on pollinators: assessing the efficiency of actions promoting the pollination ecosystem service in human dominated environments	ordinary
XL - 1.3	BROCCA Stefania	Biotechnological approaches for valorizing carbohydrate- and protein-rich biomasses from Italian industrial supply chains	ordinary
XL - 1.4	CERIANI Michela	Unraveling the secret of ralgps2 tdark: a new potential target in glioblastoma	ordinary
XL - 1.5	CHIARADONNA Ferdinando	Definition of the role of glycolysis-related processes in DNA damage response and cancer chemoresistance	ordinary
XL - 1.6	CLERICI Michela	Exploring the influence of chromatin structure and remodelling on DNA repair in <i>Saccharomyces cerevisiae</i>	ordinary
XL - 1.7	COCCETTI Paola	Investigating new functions of AMPK in the regulation of autophagy and lipophagy	ordinary
XL - 1.8	DAMIANI Chiara	Resolving metabolic heterogeneity in time and space via data integration	ordinary
XL - 1.9	DE GIOIA Luca	From Computational Insights to Rational Design: Investigation of Structure-Activity Relationships in Bio-Molecular Ratchets for Tailored Performance	ordinary
XL - 1.10	DI GENNARO Patrizia	Design and characterization of an <i>in vitro</i> reconstructed human gut microbiota to model microbe-microbe and host-microbe reciprocal interactions	ordinary
XL - 1.11	FIANDRA Luisa	RNA nanodelivery to pancreatic cancer microenvironment for the stimulation of tumor immune response	ordinary
XL - 1.12	FRASCHINI Roberta	Function and regulation of Vps74 in <i>S. cerevisiae</i> cytokinesis	ordinary
XL - 1.13	GUGLIELMETTI Simone Domenico	The role of food- and host-associated microorganisms in gut permeability: implications for the pathogenesis and treatment of non-communicable diseases	ordinary
XL - 1.14	LOTTI Marina	Properties and engineering of enzymes active at low temperatures	ordinary
XL - 1.15	MAGGIONI Davide	The effects of environmental and anthropogenic stressors at the genomic and transcriptomic level in non-model animal species	ordinary
XL - 1.16	MAPELLI Valeria	Development of microbial cell factories for production of carotenoids for edible electronic applications.	ordinary
XL - 1.17	PALUMBO Pasquale	Whole-cell models of <i>S. cerevisiae</i>	ordinary
XL - 1.18	PELLIZZOLA Mattia	The role of RNA modifications on post-transcriptional regulation	ordinary
XL - 1.19	PERI Francesco	Overcoming Challenges in Drug Delivery: Design and Biological Evaluation of Liposomal Formulations of bioactive molecules for Cancer Immunotherapy and Fibrosis Treatment.	ordinary
XL - 1.20	PROSPERI Davide	Targeting cGAS by mirror-image peptide nanodelivery to activate STING signaling in cancer immunotherapy	ordinary
XL - 1.21	REGONESI Maria Elena	Searching for natural compounds capable of counteracting the pathogenic aggregation of human ataxin-3	ordinary
XL - 1.22	ROCCHETTI Marcella	Stimulation of the sarcoplasmic reticulum-mitochondria coupling as new approach to improve cardiac function in heart failure treatment	ordinary
XL - 1.23	SACCO Elena	Targeting metabolism to identify novel pharmaceutical interventions in cancer models	ordinary
TECSBI.1	MANTECCA Paride	New approach methodologies to assess the biological safety and mechanisms of action of advance (nano)materials	(Project INTEGRANO - HORIZON Europe)