



DEPARTMENT OF BIOMEDICAL SCIENCES  
PhD Program in Biomedical Sciences  
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UNIVERSITÀ  
DEGLI STUDI  
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## PhD Program in BIOMEDICAL SCIENCES

PROGRESS REPORT XXXVIII- XXXIX- XL cycle

Academical year 2024/2025

October 1, 2025

Aula 0C - Vallisneri Building

### Wednesday, October 1<sup>st</sup> 2025

11:30	Upload of the reports		
12:00	Chair Giorgia Pallafacchina	Motanova Evgeniia	Impact of ageing and inactivity on neuromuscular junction integrity and mitochondrial function in humans
12:30		Zito Simona	Selective vulnerability of spinal neurons to physiological aging and neurodegenerative diseases
12:50		Panarelli Mariateresa	Targeting connexin hemichannels in glioblastoma
13:05		Botteri Marco	Improvement of the performance of oenological <i>Saccharomyces cerevisiae</i> strains through molecular cisgenesis
13:20		Castorina Maria Egle	Investigating the crosstalk between Schwann cells and macrophages in peripheral nerve sheath tumors
13:35		Daddario Anna Simona	Molecular mechanisms in Spinal and Bulbar Muscular Atrophy: local translation and neurodegeneration.
13:50	Break		
14:30	Chair Michela Carraro	Ferrini Alessio	Deciphering the structural and functional landscape of intrinsically disordered regions in childhood malignant neoplasms: a computational approach
14:45		Piccoli Giorgia	The regulation of protein synthesis in muscle plasticity
15:00		Ghirardo Giorgia	Unravelling the role of HTRA2 in mitochondrial calcium homeostasis, and investigating the role of mitochondrial calcium in the activation and differentiation of satellite cells during skeletal muscle regeneration
15:15		Giro Linda	Comprehensive immune profiling of graphene versus hexagonal boron nitride aka white graphene
15:30		Magro Alessia	Tracking metabolic changes to identify new vulnerabilities in melanoma cells
15:45	Chair Leonardo Nogara	Mazzucco Camilla	Exploring the targeting of the transferrin receptor as a vehicle for selective transport of nucleic acid (NA)-based therapeutics to skeletal muscle tissues
16:00		Miotto Jacopo	Targeting undruggable intrinsically disordered regions in childhood malignant neoplasms
16:15		Montesel Mauro	MantATP chasing, a better understanding of Myosin resting nucleotide turnover
16:30		Salimova Adeliia	Targeting the mitochondrial enzyme monoamine oxidase B to treat mucopolysaccharidosis: a drug repurposing strategy

16:45		Franco Laura	<i>In vitro</i> and <i>in vivo</i> characterization of <i>CSNK2B</i> variants related to POBINDS
17:00		Baggio Chiara	Exploring Regeneration in ALS: motor and sensory neuron dysfunctions and therapeutic opportunities
17:15		End of session	