

Tuesday 21st of September 2021

Room-U4-08

Webex link:

https://unimib.webex.com/unimib/onstage/g.php?t=a&d=26701060650

Password: DAY1

08:00 – 09:00 Registration

09:00 – 09:15 *Opening and welcome:*

Prof. Paola Branduardi, PhD program Coordinator

SESSION I

INTRODUCTION TO MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE

Chairs: Giulia Agostinetto, Daniele D'Arrigo, Sofia Magli

09:15 - 09:45	Invited lecture To1
	Prof. Paolo Soda , Biomedical Campus University, Rome, Italy
	Artificial Intelligence and Machine Learning: an introduction
09:45 - 10:10	PhD student's presentation: 2 nd year S01
	Martina Arici, University of Milano-Bicocca, Milan, Italy
	Intracellular Ca ²⁺ dynamics in Vascular Smooth Muscle Cells
	(VSMCSs) isolated from rat pulmonary artery through a
	non-enzymatic method
10:10 - 10:35	PhD student's presentation: 3^{rd} year So2
	Erika Casari, University of Milano-Bicocca, Milan, Italy
	Dual role for Dpb4 in DNA double strand break repair: regulation
	of end resection and DNA damage checkpoint
10:35 - 11:00	PhD student's presentation: 2 nd year So3
	Greta Bianchi, University of Milano-Bicocca, Milan, Italy
	Charge patterning is a sequence determinant for protein
	liquid-liquid phase separation
11:00 - 11:30	COFFEE BREAK



11:30 - 11:55	PhD student's presentation: 2 nd year S04		
	Patricia Perez Schidt, Mario Negri Institute, Milan, Italy		
	Synthesis of glycan coated nanoparticles for the enhanced active		
	targeting		
11:55 - 12:20	PhD student's presentation: 3 rd year So5		
	Valentina Artusa, University of Milano-Bicocca, Milan, Italy		
	Phytochemical profile and macrophage immunomodulatory		
	activity of extracts from green and roasted coffee beans		
12:20 - 12:45	PhD student's presentation: 2 nd year S06		
	Carlo Rinaldi , University of Milano-Bicocca, Milan, Italy Dissecting the role of the Ku complex in the DNA damage		
	response		
12:45 - 13:45	LUNCH BREAK		

SESSION II

PERSONALIZED MEDICINE

Chairs: Alessandra	De Giani, Nicola Tommasi		
13:45 - 14:30	Invited lecture and Q&A	T02	
	To2. Prof. Eduard Porta Pardo, Barcelona Supercomputing center, Spain Personalized cancer risk prediction with polygenic risk scores:		
	clinical and biological implications		
14:30 - 14:55	PhD student's presentation: 3^{rd} year	So7	
	Gloria Campioni, University of Milano-Bicocca, Milan, It		
	Unraveling metabolic heterogeneity	of mammary carcinoma	
	through the development of 2D and 3I	culture models	
14:55 - 15:20	PhD student's presentation: 3^{rd} year	So8	
	Stefania Blasa , University of Milano-Bicocca, Milan, Italy Scalable thermal stimulation as a versatile approach to in		
	neuronal differentiation		



15:20 - 15:55

PhD students' flash poster presentation: 1st year

Fo1. Federica Barbugian,

University of Milano-Bicocca, Milan, Italy

Development of 3D printed pathophysiological *in vitro* device to study microenvironment effect on glioblastoma progression

Link to poster session:

https://campus-unimib.webex.com/meet/f.barbugian

Fo2. Giulia Dellavedova, Mario Negri Institute, Milan, Italy Overcoming PARP inhibitors drawbacks with a new generation PARP1 selective drug

Link to poster session:

https://campus-unimib.webex.com/meet/g.dellavedova3

Fo3. Giacomo Ducci, University of Milano-Bicocca, Milan, Italy Profiling metabolic and signaling phenotype of bladder cancer cell lines and patient biopsies

Link to poster session:

https://campus-unimib.webex.com/join/g.ducci

Fo4. Laura Formenti, Mario Negri Institute, Milan, Italy OXPHOS and pharmacological response to PARP inhibition in ovarian cancer

Link to poster session:

https://campus-unimib.webex.com/meet/l.formenti5

Fo5. Annalisa Morelli, Mario Negri Institute, Milan, Italy Platform standardization for the detection of histopathological features in murine models of hepatic and pulmonary disorders *Link to poster session:*

https://campus-unimib.webex.com/meet/a.morelli9

Fo6. Elisa Perciballi, University of Milano-Bicocca, Milan, Italy Is there a biochemical or molecular switch from healthy to symptomatic phenotype in Amyotrophic Lateral Sclerosis? *Link to poster session:*

https://campus-unimib.webex.com/meet/e.perciballi

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Fo7. Thomas Vernay, Naicons Laboratories, Milan, Italy

Discovery of novel antibiotics from microbes: a project

Link to poster session:

https://campus-unimib.webex.com/meet/t.vernay

15:55 – 16:55	POSTER SESSION and COFFEE BREA	K	
16:55 – 17:25	TED-like talk and $Q&A$ To3		
	Dott.ssa Giulia de Martini		
	Humans design technologies and technologies design Humans		
17:30	End of day 1		