

'THE VIRGILIO PROGRAM'

LISTA LABORATORI UNIMIB E NOMINATIVO DEI TUTOR – 2024-2025

NAME OF THE LAB	LAB PI	NAMES OF THE TUTORS	RESEARCH PROJECTS
Farmacologia	Antonio Torsello antonio.torsello@unimib.it	Ramona Meanti (assegnista) ramona.meanti@unimib.it Laura Rizzi (ricercatore) laura.rizzi@unimib.it Elena Bresciani (tecnico EP) elena.bresciani@unimib.it	Characterization of the effects of Growth Hormone Secretagogues in vitro models of neurodegenerative diseases (multiple sclerosis; amyotrophic lateral sclerosis). In vitro models of Duchenne Dystrophy to study the potential of GHS Study of the effects of Cannabis sativa extracts in in vitro models of psoriasis
Pathology	Fabio Pagani fabio.pagni@unimib.it	Vincenzo L Imperio (borsista) V.limperio@campus.unimib.it	Nephropathology - Non neoplastic renal pathology
Physiology Lab	Giulio Sancini giulio.sancini@unimib.it	Giulia Terribile (Postdoc) giulia.terribile@unimib.it	Air pollution effects on synaptic plasticity and neurotransmission in hippocampal and cortical neurons linked to the development of neurodegenerative disease
Lab Oncology/Molecular Pathology	Bianchi Cristina Cristina.bianchi@unimib.it	De Marco Sofia, PhD (assegnista) s.demarco8@campus.unimib.it Grasselli Chiara (dottoranda) c.grasselli@campus.unimib.it	Molecular interactions in clear cell renal cell carcinoma progression Biological conditions related to frailty and

	THE LAB IS NOT AVAILABLE THIS YEAR TO HOST STUDENTS		their effect on adult renal stem cells
Laboratory of Translational Physiology and Channelopathies.	Ilaria Rivolta Ilaria.rivolta@unimib.it	Dario Melgari (Post-doc) dario.melgari@grupposandonato.it Serena Calamaio Serena.Calamaio@grupposandonato.it Anthony Frosio Anthony.Frosio@grupposandonato.it	Study of the functional characterization in complex systems of genetic mutations in ion channels causing channelopathies hiPSCs-derived cardiomyocytes as model to study cardiac arrhythmias Alteration in membrane excitability in channelopathies
Biochimica Clinica Laboratorio Ultraspecialistico di Patologia Clinica e Sostanze d'Abuso dell'ospedale Pio XI di Desio, ASST-Brianza	Valerio Leoni		Diagnostic and pathogenetic Lipidomics and metabolomics in aging and disease. Lipidomics in neurodegenerative diseases. Diagnostic Biomarkers in Clinical Pathology
Psychiatric Epidemiology	Giuseppe Carrà	Cristina Crocamo cristina.crocamo@unimib.it Francesco Bartoli f.bartoli@campus.unimib.it	Mental health: in-depth analyses of national and international, large, existing datasets Biomarkers for psychiatric disorders
Lab. of Neurobiology	Carlo Ferrarese carlo.ferrarese@unimib.it	Elisa Conti elisa.conti@unimib.it	Role of peripheral monocytes in neuroinflammation in Alzheimer's disease.
Gastroenterology lab	Pietro Invernizzi Pietro.invernizzi@unimib.it	Alessio Gerussi (ricercatore) alessio.gerussi@unimib.it	(Dry lab) Machine learning in autoimmune liver disease (use of Rulex package) (Wet lab) Gene expression dynamics of

		<p>Chiara Caime (PhD Student – not available from Sep 24 to Feb 25) c.caime@campus.unimib.it</p> <p>Elisa Merelli (PhD Student probably not available from Sep 24 to Feb 25) e.merelli1@campus.unimib.it</p>	<p>immune cells and its genetic determinants in autoimmune liver diseases</p> <p>(Dry lab) Analysis of spatial proteomics data in autoimmune liver disease with R Studio</p>
Neuropharmacology	<p>Silvia Coco Silvia.coco@unimib.it</p>	<p>Marco Grisetti (assegnista) m.grisetti@campus.unimib.it</p>	
Clinical microbiology & virology lab	<p>Clementina Elevezia Cocuzza clementina.cocuzza@unimib.it</p>	<p>Marianna Martinelli (borsista) marianna.martinelli@unimib.it</p> <p>Chiara Giubbi (borssista) Chiara.giubbi@unimib.it</p>	<p>study of natural history of Human Papillomavirus (HPV) associated with the development of cervical carcinoma, to better define the possible role of viral & immune factors in determining the progression or regression of cervical dysplasia.</p>
Centro Ricerca Tettamanti	<p>Cazzaniga Giovanni giovanni.cazzaniga@unimib.it , giovanni.cazzaniga@irccs-sangerardo.it</p>	<p>Grazia Fazio (Post doc) Grazia.fazio@unimib.it</p> <p>Chiara Palmi (PostDoc) Chiara.palmi@unimib.it</p> <p>Michela Bardini (PostDoc) Michela.bardini@unimib.it</p> <p>Simona Procopio s.procopio7@campus.unimib.it</p>	<p>Identification of new genetic lesions in pediatric leukemia and in vitro/in vivo drug targeting</p> <p>Modeling pre-leukemia and role of infections in leukemia development</p> <p>Study of MLL gene transcriptional complex in Infant leukemia</p> <p>personalized medicine for infant patients with MLL-rearranged acute lymphoblastic leukemia.</p>

	<p>Giovanna D'Amico giovanna.damico@ircs-sangerardo.it</p> <p>Marta Serafini serafinim72@gmail.com</p>	<p>Erica Dander (PostDoc) e.dander@asst-monza.it</p> <p>Corinne Arsuffi</p> <p>Carlotta Guzzetti</p>	<p>"Study the role of ActivinA in the generation of a pro-leukemic BM Microenvironment"</p>
<p>Clinical proteomics and metabolomics</p>	<p>Fulvio Magni Fulvio.magni@unimib.it</p>	<p>Andrew Smith (RTD-B diventa PA a ottobre 2024) andrew.smith@unimib.it</p> <p>Vanna Denti (RTDA) vanna.denti@unimib.it</p> <p>Nicole Monza (Dottoranda) n.monza@campus.unimib.it</p> <p>Lisa Pagani (Dottoranda) lisa.pagani@unimib.it</p>	<p>High spatial resolution MALDI-MS imaging for the clinical investigation of glomerular diseases</p> <p>New frontiers in omics research: multi modal MALDI MS imaging for the characterization of oncological tissue</p> <p>Development of a new LC-MS method to determine thyroglobulin in DBS device</p> <p>Emerging roles of mass spectrometry technologies in clinical studies</p>
<p>Experimental Neurology unit</p>	<p>Guido Cavaletti Guido.cavaletti@unimib.it</p>	<p>Laura Molteni laura.molteni@unimib.it</p>	<p>"HDAC6 inhibitors as possible neuroprotectors against chemotherapy induced peripheral neurotoxicity: in vitro studies of the molecular pathways involved".</p>

Molecular oncology	Carlo Gambacorti Passerini	Federica Malighetti Matteo Villa m.villa96@campus.unimib.it	Investigation of resistance and mutational landscape in ALK+ tumors "
Neuropsychopharmacology	Laura Musazzi	Jessica Mingardi jessica.mingardi@unimib.it	Study of molecular mechanisms rapid-acting antidepressants in animal models of depression
Clinical Research Methodology	Maria Grazia Valsecchi Grazia.valsecchi@unimib.it	Francesca Graziano Francesca.graziano@unimib.it Elena Tassistro (dottoranda) e.tassistro@campus.unimib.it	Studi in ambito neuroranimatorio: gestione e analisi dati Studi su malattie metaboliche in ambito pediatrico: gestione e analisi dati
Biochemistry and nanomedicine	Francesca Re Francesca.re1@unimib.it	Maria Silvia Sesana Mariasilvia.sesana@unimib.it Marcelo Kravicz marcelo.kravicz@unimib.it	Design and validation of innovative drug delivery systems Design and validation of innovative gene delivery systems Biochemistry of the blood-brain barrier in brain diseases (neurodegenerative diseases and brain tumours)

Prof. Silvia Brunelli
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Responsabile Programma Virgilio