



EVENT PROGRAM

micerco Milan | 25th - 26th march 2025

Day 1 – Tuesday, March 25, 2025

12.30 - 14.00		Registration and Welcome Light Lunch	
14.00 - 14.10	Opening and Welcome	<p>Christodoulos Xinaris, Scientific Coordinator of the Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy</p> <p>Lulsa Diomede, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy</p> <p>Elia di Schiavi, Institute of Biosciences and BioResources (IBBR), CNR, Naples, Italy</p>	
14.10 - 14.25	The R of replacement in animal testing	Giuliano Grignaschi , General Secretary of Research4life	
Session 1	Molecular basis of Disease	Chairpersons: Eva Trevisson and Emilio Cusanelli	
14.25 - 15.00	Small RNAs in Epigenetic Inheritance: A Lessons from Worms	Germano Cecere , Institut Pasteur, Paris, France	
15.00 - 15.15	Erucin protects against polyglutamine-induced toxicity in Caenorhabditis elegans via aak-2/AMPK and daf-16/FOXO signaling	Martina Balducci , University of Bologna, Italy	
15.15 - 15.30	Identification of new SMN-independent compounds to counteract Spinal Muscular Atrophy through an in vivo semi-automated drug screening in C. elegans	Roberto Iacomino , Institute of Biosciences and BioResources (IBBR), CNR, Naples, Italy	
15.30 - 15.45	Metabolic and Mitochondrial Dysregulation in AL Amyloidosis: Insights from C. elegans	Margherita Romeo , Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy	
15.45 - 16.00	Dopaminergic system dysfunction in a C. elegans model of Spinal Muscular Atrophy	Giada Onorato , Institute of Biosciences and BioResources (IBBR), CNR, Naples, Italy	
16.00 - 16.15	Unraveling TBP/TBP-1 and CHIP/CHN-1 interaction in a C. elegans model of human digenic SCA17 disease: does it affect neuron function?	Giuliana Madonna , Fondazione IRCCS Istituto Neurologico Carlo Besta, and University of Milano-Bicocca, Milan, Italy	
16.15 - 16.30	Unlocking new frontiers in research with SydLab™ One: the ultimate solution for compounds and genetic studies, using C. elegans.	Alessandro Berto , Nagi Bioscience	
16.30 - 17.15		Coffee Break	
Session 2	Mechanisms of neuronal transmission	Chairpersons: Manuela D'Alessandro and Elia di Schiavi	
17.15 - 17.50	Identification of synaptic organizers: the power of C. elegans genetics	Jean-Louis Bessereau , Melis, Université Claude Bernard Lyon 1, Institut NeuroMyoGene, Lyon, France	
17.50 - 18.05	Biophysical models of C.elegans neurons: a tool for elucidating the nematode neuronal dynamics	Martina Nicoletti , Università Campus Bio-Medico di Roma, Rome, Italy.	
18.05 - 18.20	Exploring Prohibitins in Nervous System Development and Function	Fernandez-Abascal Jesus , Andalusian Centre for Developmental Biology (CABD), CSIC-Universidad Pablo de Olavide-Junta de Andalucía and Department of Molecular Biology and Biochemical Engineering, Universidad Pablo de Olavide, Seville, Spain.	

18.20 - 18.35	A genetic tool to monitor neuromodulation in vivo	<i>Ivan Gallotta, University College London, UK</i>
18.35 - 18.50	Study of Heteromeric Acetylcholine Receptor Composition and its Regulation by TMED-3	<i>Greta Maiellano, Laboratoire MeLiS, Université Claude Bernard Lyon 1, Lyon, France</i>
18.50 - 19.05	Exploring neuronal mechanisms and therapeutic strategies in GNAO1 encephalopathy: insights from <i>C. elegans</i> model	<i>Martina Di Rocco, Istituto Superiore di Sanità, Rome, Italy</i>
19.05 - 19.20	Elucidating the Pathogenic Mechanisms of GNAO1-Associated Neurological Disorders through <i>C. elegans</i> Calcium Imaging and Evaluating the Therapeutic Potential of Caffeine	<i>Enrico Lanza, D-Tails</i>
19.20 - 19.30	Closing	
19.30 - 21.00	Poster session and Dinner at Mario Negri Institute	

Day 2 – Wednesday, March 26, 2025

9.00 - 9.20	Registration	
Session 3	Mitochondria dysfunction and aging	Chairpersons: <i>Maria Elena Regonesi and Luca Pannone</i>
9.25 - 10.00	ONE HEALTH: an integrative approach to mitochondria-regulated diseases and aging	<i>Natascia Ventura, Institute of Clinical Chemistry and Laboratory Diagnostic Medical Faculty, Heinrich Heine University and the IUF- Leibniz Research Institute for Environmental Medicine, DÜSSELDORF, Germany</i>
10.00 - 10.15	C16ORF70, A Novel Gene that Regulates Aging in <i>C. elegans</i>	<i>Valeria Morbidoni, Università degli Studi di Padova e Istituto di Ricerca Pediatrica, IRP, Città della Speranza, Padova, Italy</i>
10.15 - 10.30	Redox-mediated link between Ferroptosis and Aging in <i>Caenorhabditis elegans</i> : a role for fard-1 and dhs-25	<i>Roberta Pensotti, University of Milano-Bicocca, Milan, Italy</i>
10.30 - 10.45	Investigating the function and regulation of the telomeric repeat-containing RNA TERRA in <i>C. elegans</i>	<i>Emilio Cusanelli, Department CIBIO, University of Trento, Trento, Italy</i>
10.45 - 11.00	Stomatin-like protein 2 mediates mitochondrial unfolded protein response through phospholipid sensing	<i>Vozdek Roman, Eurac research, Institute for Biomedicine, Bolzano, Italy</i>
11.00 - 11.30	Coffee Break	
Session 4	Predictive toxicology	Chairpersons: <i>Luisa Diomede and Ivan Gallotta</i>
11.30 - 11.45	Health-Boosting Potential of Coffee Silverskin: Insights from <i>Caenorhabditis elegans</i>	<i>Emily Schifano, Sapienza University of Rome, Rome, Italy</i>
11.45 - 12.00	The physicochemical properties of graphene oxide drive their toxicity in <i>C. elegans</i>	<i>Carmina Natale, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy</i>
12.00 - 12.15	Warns from Worms	<i>Kai Niklas Kremers, University of Urbino, Italy and the IUF- Leibniz Research Institute for Environmental Medicine, DÜSSELDORF, Germany</i>
12.15 - 12.30	Closing Remarks	Organizing Committee

