

MICERCO Meeting

2.0nd Meeting of the Italian *C. elegans* Research Community (*M.I.C.e.R.Co.*)

Art Relais Palazzo Cappuccini, Naples 2-3 March 2023

Organizers

Elia Di Schiavi (IBBR), Simone Martinelli (ISS)

Scientific Secretariat

Pamela Santonicola, Giuseppina Zampi, Luca Pannone

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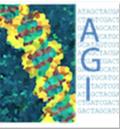
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Website: www.micerco.it
For any further information write to elia.dischiavi@ibbr.cnr.it or simone.martinelli@iss.it or call at the following numbers: +39-081-6132365 (Elia Di Schiavi) +39-06-49902569 (Simone Martinelli)

2.0nd M.I.C.e.R.Co Program

Thursday 2 March 2023

12:30 – 14:00	Registration and Light Lunch at Art Relais Palazzo Cappuccini, Corso Vittorio Emanuele 730, Naples
14:00 – 14:20	WELCOMING ADDRESSES ELIA DI SCHIAVI (Naples) AND SIMONE MARTINELLI (Rome), MEETING ORGANIZERS ENNIO DEL GIUDICE (Naples), PRESIDENT OF THE NEAPOLITAN BRAIN GROUP GIULIANO GRIGNASCHI (Milan), GENERAL SECRETARY OF RESEARCH4LIFE ALESSANDRO VERCELLI (Turin), PRESIDENT OF SINS
14:20 – 14:40	Invited Lecture A personal account of the beginning and early years of C. elegans research in Italy PAOLO BAZZICALUPO Naples, Italy Chair: Elia Di Schiavi (Naples)
14:40 – 15:20	OPENING LECTURE SPONSORED BY ZEISS A Complex Regulating Translation at the Neuronal Endoplasmic Reticulum MARIO DE BONO Institute of Science and Technology Austria (ISTA), Vienna, Austria Chair: Elia Di Schiavi (Naples)
15:20 – 17:00	SESSION I: ELUCIDATING BASIC BIOLOGICAL PROCESSES Chair: Maria Giuseppina Miano (Naples) and Roman Vozdek (Bolzano) Towards healthy ageing: Investigating the regulation of extracellular protein aggregation Ivan Gallotta, Babraham Institute, Cambridge, UK C16ORF70, A Novel Gene that Regulates Aging in C. elegans Valeria Morbidoni, University of Padua and Fondazione Città della Speranza, Padua, Italy Molecular targets of nematicidal activity of essential oils Francesca De Luca, Institute for Sustainable Plant Protection, CNR, SS-Bari, Italy

	Conserved functions of mouse ARX and C. elegans alr-1 in controlling pathways damaged in neurodevelopmental disorders (NDDs) Denise Drongitis, Institute of Genetics and Biophysics, CNR, Naples, Italy Mechanosensory abilities of the AWCon chemosensory neurons Martina Nicoletti, Italian Institute of Technology and Campus Bio-Medico University of Rome, Rome, Italy
17:00 – 18:00	COFFEE BREAK AND POSTER SESSION
18:00 – 19:40	SESSION II: MODELLING HUMAN DISEASES AND PRECLINICAL DRUG DISCOVERY (I) Chair: Eva Trevisson (Padua) and Luisa Diomede (Milan) Characterization of the transgenic animal models D. rerio and C. elegans to examine pathophysiology associated with SMARCB1 variants Lisa Buson, University of Padua and Fondazione Città della Speranza, Padua, Italy Modeling RASopathies in C. elegans: a long-lasting story Luca Pannone, Ospedale Pediatrico Bambino Gesù and Istituto Superiore di Sanità, Rome, Italy Characterization of a new C. elegans model for Wilson disease studies Federico Catalano, Telethon Institute of Genetics and Medicine and Institute of Biosciences and Bioresources, CNR, Naples, Italy Immunoglobulin light chain amyloidosis modelled in C. elegans Margherita Romeo, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy G-protein coupled receptors as potential therapeutic targets in movement disorders/epilepsy caused by GNAO1 de novo mutations Martina Di Rocco, Istituto Superiore di Sanità, Rome, Italy
20:30 – 22:30	DINNER @ Art Relais Palazzo Cappuccini

Friday 3 March 2023

09:00 – 09:40	Invited Lecture Sponsored by Union Biometrica Small RNAs in Epigenetic Inheritance Germano Cecere Department of Development and Stem Cell Biology, Institut Pasteur, Paris, France Chair: Simone Martinelli (Rome)
09:40 – 11:00	SESSION III: MODELLING HUMAN DISEASES AND PRECLINICAL DRUG DISCOVERY (II) Chair: Maria Elena Regonesi (Milan) and Pasquale Scarcia (Bari)
	hrpr-1 rescues SMA-related neurodegeneration by modulating ret-1 splicing Pamela Santonicola , Institute of Biosciences and Bioresources, CNR, Naples, Italy
	Cocoa Polyphenols as Functional Food to counteract the Spinocerebellar
	Ataxia Type 3 disease Barbara Sciandrone, University of Milano-Bicocca, Milan, Italy
	C. elegans recognizes as toxic tau oligomers Carmina Natale, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy
	Reverse genetic screen of Parkinson's disease-susceptibility genes identifies novel modulators of alpha-synuclein neurotoxicity in C. elegans Roman Vozdek, Institute for Biomedicine, EURAC Research, Bolzano, Italy
11:00 – 12:00	COFFEE BREAK AND POSTER SESSION
12:00 – 13:00	SESSION IV: NEW MODELS AND TECHNIQUES Chair: Daniela Uccelletti (Rome) and Viola Folli (Rome)
	spaCe: assessing relative biological effectiveness of simulated deep space radiation in altering neural function and survival in C. elegans Giada Onorato, Institute of Biosciences and BioResources, CNR, Naples, and University of Turin, Turin, Italy.
	2-hydroxyisobutyric acid (2-HIBA) modulates ageing and fat deposition in C. elegans
	Emily Schifano, Sapienza University of Rome, Rome, Italy
	See Elegans: simple-to-use, accurate, and automatic 3D detection of neural activity from densely packed neurons Enrico Lanza, Italian Institute of Technology, Rome, Italy
13:00 – 13:15	CLOSING REMARKS