



A.G.I.

Associazione Genetica Italiana



S.I.M.A.G.

Società Italiana di Mutagenesi Ambientale e Genomica

JOINT MEETING AGI - SIMAG
14-16 September 2023
Cortona (Arezzo, Italy)

Congress Programme

Sponsored by **ZANICHELLI**

Congress Programme

14 September

12:00-14:00	Registration and Poster display
14:00-14:15	Welcome Address Giada Frenzilli & Michele Morgante
14:15-15:00	LECTURE I Species in Paleoanthropology <i>Ian Tattersal, American Museum of Natural History, NY</i> Chair: Duccio Cavalieri
15:00-16:40	MINI SYMPOSIUM I Concept of species in the genomic era: past, present and future Chairs: Guido Barbujani & Mariano Rocchi
15:00-15:30	Caos and Order define the evolution and development patterns in butterflies wings <i>Riccardo Papa, University of Puerto Rico, San Juan(online)</i>
15:30-16:00	What is a species, if any? <i>Marco Ferraguti, Università di Milano</i>
16:00-16:30	Bacterial species in the era of high throughput genomics <i>Claudio Donati, Istituto Agrario San Michele All'Adige</i>
16:30-16:40	Poster (Selected oral presentation)
16:40-17:00	Coffee break & Poster viewing
17:00-19:00	AGI Society Meeting. SIMAG Society Meeting.
19:30-20:30	Theatrical performance Le serre di Mendel di Massimo Ruccio

15 September

9:00-10:40	MINISYMPOSIUM II Environment and epigenetic variation Chairs: Giovanni Perini & Fabio Coppedè
9:00-9:30	Chromatin-mediated adaptive strategies to the environment in plants <i>Serena Varotto, Università di Padova</i>
9:30-10:00	Influence of the exposome on the human methylome and cancer risk <i>Patrizia Zavattari, Università di Cagliari</i>
10:00-10:30	Environment, epigenetics and human reproduction. <i>Fani Konstantinidou, Università di Chieti</i>
10:30-10:40	Poster (Selected oral presentation)
10:40-11:00	Coffee break & Poster viewing

11:00-12:40	MINISYMPOSIUM III Mitochondrial (dys)function in non-communicable diseases Chairs: Carlo Viscomi & Paola Fortini
11:00-11:30	Mitochondrial signaling: a pillar in prototypical geroscience conditions. <i>Anna Picca, Università Cattolica del Sacro Cuore</i>
11:30-12:00	The role of the Mitochondrial Calcium Uniporter in skeletal muscle in health and disease <i>Agnese De Mario, Università di Padova</i>
12:00-12:30	Regulation of phosphatase 2A signaling through modulation of mitochondrial function <i>Saverio Minucci, Università Statale di Milano</i>
12:30-12:40	Poster (Selected oral presentation)
12:40-14:15	Lunch & Poster viewing
14:15-15:00	LECTURE II Microbiota in human health and diseases: a constantly evolving paradigm <i>Loris Lopetuso, Policlinico Gemelli Roma</i> Chair: Chiara De Virgilis
15:00-16:40	MINISYMPOSIUM IV New sequence technologies and pangenome analysis Chairs: Massimo Delledonne & Paola Venier
15:00-15:30	Genomes and pangenomes for a new era in biology <i>Giulio Formenti, Rockefeller University, NY</i>
15:30-16:00	Heterologous recombination in the human pangenome <i>Andrea Guarracino, University of Tennessee, TN</i>
16:00-16:30	Evidence of widespread hemizygoty in bivalve pangenomes: are we overlooking the impact of genomic structural variation in metazoans? <i>Marco Gerdol, Università di Trieste</i>
16:30-16:40	Poster (Selected oral presentation)
16:40-17:30	Coffee break & Poster viewing
17:30-19:10	Minisymposium V Single-cell analysis Chairs: Cosmeri Rizzato & Barbara Majello
17:30-18:00	To be determined <i>Nikolaus Rajewsky, Max Delbrück Center for Molecular Medicine, Berlin</i>
18:00-18:30	Measuring somatic mutations and their consequences by single-cell and single-strand sequencing <i>Ashley Sanders, Max Delbrück Center for Molecular Medicine, Berlin</i>

18:30-19:00	Deciphering the tumour microenvironment by multiomics analyses <i>Massimiliano Pagani, University of Milan</i>
19:00-19:10	Poster (Selected oral presentation)
19:10-19:55	LECTURE III New approaches and technologies to study chromosome evolution <i>Francesca Antonacci, Università degli Studi di Bari</i> Chair: Salvatore Saccone
20:30	Social dinner

16 September

9:00-9:45	Lecture IV New roles of DNA lesions: friends or foes? <i>Stefano Amente Università Federico II Napoli</i> Chair: Giulia Antoniali
9:45-11:25	MINISYMPOSIUM VI Genetics of aging Chairs: Maria Pia Longhese & Serena Dato
9:45-10:15	Environmental Genetic and Epigenetic aspects of ageing and longevity <i>Giuseppe Passarino, Università della Calabria</i>
10:15-10:45	Human telomere biology disorders: a novel approach <i>Fabrizio D'Adda di Fagagna, Istituto di Genetica Molecolare "Luigi Luca Cavalli-Sforza"</i>
10:45-11:15	The genetics of human longevity <i>Paolo Garagnani, Università di Bologna</i>
11:15-11:25	Poster (Selected oral presentation)
11:25-12:00	Coffee break & Poster viewing
12:00-13:15	Tavola Rotonda Ricerca e didattica ai tempi dell'intelligenza artificiale <i>Moderatore da definire</i> <i>Fosca Giannotti, Scuola Normale di Pisa</i> <i>Renato Grimaldi, Università di Torino</i> <i>Pietro Leo, IBM</i> <i>Arcangelo Merla, Università di Chieti</i>
13:15-13:30	Closing remarks Giada Frenzilli & Michele Morgante