

**MEETING - Italian Society of
Environmental Mutagenesis and
Genomics (SIMAG)**

25-27 June 2025

Pisa (Italy)

Congress Programme

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25 June

12:00-14:00 Registration and Poster display

14:00-14:15 Welcome Address from Pisa University

Chair: Giada Frenzilli

14:15-16:00 Mini Symposium I:

Environmental mutagenesis and genomics: methods and models

14:15-14:45 LECTURE: Mario Carere/Ines Lacchetti

(Istituto Superiore di Sanità, Roma)

"The zebrafish model: applications and future perspectives between science and policy."

14:45-15:15 Massimo Moretti (Università di Perugia) «Using salivary lymphocytes in the Comet assay to assess exposure»

15:15-15:30 Selected abstract

15:30-15:40 Selected abstract

15:40-15:50 Selected abstract

16:00-16:45 LECTURE: Francesco Marchetti (Health

Canada, Ottawa)

"Application of Error-Corrected Sequencing to advance in vivo regulatory mutagenicity testing."

16:45-17:00 *Coffee break and poster viewing*

17:00-19:00 SIMAG Best PhD Thesis Award and SIMAG Society Meeting

26 June

9:00- 12:00 Mini Symposium II:

Chemical & Physical Mutagenesis-Implications for Public Health

9:00-9:45 LECTURE: Stefano Bonassi (Università San Raffaele, Roma) **"Genotoxicity assessment in Occupational Biomonitoring: Focus on the Micronucleus Cytome assays:"**

9:45-10:15 Maddalena Mognato (Università di Padova) «Biosafety assessment of zirconia nanoparticles formulated to fight drug-resistant chronic bacterial lung infectionsC

10:45-11:15 *Coffee break and poster viewing*

11:15-11:30 Selected abstract

11:30-11: 45 Selected abstract

11:45-12:00 Selected abstract

12:00-14:00 *Lunch and poster viewing*

14:00-15:15 Minisymposium III:

DNA damage and repair: new insights

14:00-14:30 Francesco Berardinelli (Università Roma Tre) "Disrupting RAD51 Expression via G-Quadruplex Binding Ligands: Mechanism and Therapeutic Implications in Cancer Cells"

14:30-14:45 Selected abstract

14:45-15:00 Selected abstract

15:00 -15:15 Selected abstract

Congress Programme

15:15-17:00 Minisymposium IV:

Gene/environment interaction in complex diseases

15:15-15:45 **Ragnhild Eskeland** (University of Oslo)

"Genomic and Epigenomic regulation in Liposarcoma"

15:45-16:15 **Andrea Stocco** (Università di Pisa)

"Mitochondrial DNA methylation in neurodevelopmental and neurodegenerative disorders"

16:15-16:30 Selected abstract

16:30-16:45 Selected abstract

16:45-17:00 Selected abstract

17:00-17:30 *Coffee break and poster viewing*

17:30 Guided tour

20:00 Social dinner

27 June

9:00-12:15

Minisymposium V: "Genotoxicity and emerging pollutants."

9:00-9:45 **LECTURE: Francesco Regoli** (Università Politecnica delle Marche) "**Emerging pollutants and new toxicological risks for marine organisms.**"

9:45-10:15 **Francesca Marcon** (Istituto Superiore di Sanità, Roma) «Cross-talk between molecular and metabolic effects underlying PFAS toxicity: a case-study with PFOA and its analogue PFB»

10:15-10:45 **Cristina Andreoli** (Istituto Superiore di Sanità, Roma) "Human Health Hazard Assessment of Micro- and Nanoplastics: *In Vitro* and *In Vivo* Methodologies in a One Health Perspective"

10: 45-11:05 *Coffee break and poster viewing*

11:05-11:30

11:30-11:45 Selected abstract

11:45-12:00 Selected abstract

12:00-12:15 Selected abstract

12:15-12:30 General discussion and closing remarks
Best Poster Award

Scientific Committee:

Giada Frenzilli University of Pisa)

Fabio Coppedè (University of Pisa)

Francesca Marcon (ISS, Rome),

Alessandra Di Masi (University of Rome3)

Barbara Pascucci (CNR, Rome)

Paola Fortini (ISS, Rome)

Maddalena Mognato (University of Padua)

Giulia Antoniali (University of Udine)

Dimitrios Spiliotopoulos (SGS Analytics Switzerland AG)

Organizing Committee (University of Pisa):

Giada Frenzilli, Fabio Coppedè, Antonio Musio, Stefano Landi, Patrizia Guidi