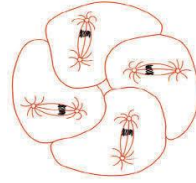




**69° Convegno
GEI - SIBSC**
Napoli 2024
11-14 giugno



GEI-SIBSC
Gruppo Embriologico
Italiano- Società Italiana
di Biologia dello
sviluppo e della cellula -

PROGRAMMA POSTER SESSIONS

**AULA G1
COMPLESSO DEI SS. MARCELLINO E FESTO**

12 Giugno

15:00 -16:00 SESSION I: NERVOUS SYSTEM - DEVELOPMENT, FUNCTIONS AND DISEASES

CHAIRS: *Patrizia Bovolín & Valeria Franceschini*

<u>Fabiola Vaglica</u> <i>Università di Palermo</i>	NEW PROTEOMIC INSIGHTS INTO MULTIPLE SCLEROSIS FROM CEREBROSPINAL FLUID
<u>Fabrizio Ammannito</u> <i>Università dell'Aquila</i>	THE ROLE OF BRAIN-DERIVED NEUROTROPHIC FACTOR IN A BTBR MOUSE MODEL OF AUTISM
<u>Ludovica Carpinelli</u> <i>Università Roma Tre</i>	THE EFFECTS OF AMYLOID- β AND MAGNETITE NANOPARTICLES ON CULTURED HUMAN ASTROCYTES
<u>Simona Di Marino</u> <i>Università di Napoli "Federico II"</i>	IMPACT OF ANXIOLYTIC TREATMENT ON NEURAL DEVELOPMENT: FIRST EVIDENCE ON <i>Xenopus laevis</i> EMBRYOS
<u>Francesca Di Renzo</u> <i>Università di Milano</i>	R-FETAX: TERATOGENIC AND NEUROBEHAVIORAL EFFECTS OF CAFFEINE
<u>Ilaria Esposito</u> <i>Università di Napoli "Federico II"</i>	ULTRASTRUCTURAL INVESTIGATIONS OF THE CEREBRAL CORTEX IN MOUSE MODELS OF BBSOAS
<u>Sofia Marchetta</u> <i>Università di Pisa</i>	IN VIVO MODELS TO UNVEIL NEW NKTR FUNCTIONS ASSOCIATED WITH AN UNDIAGNOSED RARE NEURODEVELOPMENTAL DISORDER
<u>Damiana Minervini</u> <i>Università della Calabria</i>	KETOGENIC DIET MITIGATES NEUROINFLAMMATION AND MYELINIZATION IN A MOUSE MODEL OF IDIOPATHIC AUTISM (BTBR)
<u>Mattia Toni</u> <i>Università di Roma La Sapienza</i>	ENVIRONMENTAL TEMPERATURE VARIATION AFFECTS BRAIN LIPID COMPOSITION IN ADULT ZEBRAFISH (<i>Danio rerio</i>)

* online

16:00 -16:30 SESSION II: CELLULAR AND ANIMAL MODELS

CHAIRS: *Roberta Imperatore & Marina Prisco*

Claudio Gargano <i>Università di Palermo</i>	CHARACTERIZATION OF ETS FORMATION IN <i>CHERAX QUADRICARINATUS</i>
Chiara Losi <i>Università di Modena e Reggio Emilia</i>	HEMOLYMPH WITHDRAWAL REVEALS A NEW BIOLOGICAL CONTEXT TO STUDY HEMOCYTE PROLIFERATION AND FUNCTIONS IN THE SNAIL <i>POMACEA CANALICULATA</i>
Nicolò Baranzini <i>Università dell'Insubria</i>	EXPOSURE TO PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) INDUCES A SIGNIFICANT INFLAMMATORY RESPONSE IN THE MEDICINAL LEECH <i>Hirudo verbana</i>
Francesco Ghirotto <i>Università di Verona</i>	INVESTIGATING THE PATHOGENESIS OF AUTOSOMAL DOMINANT TUBULOINTERSTITIAL KIDNEY DISEASE (ADTKD) THROUGH <i>ZEBRAFISH MODELS</i>
Emanuela Peri <i>Università di Palermo</i>	NEW INSIGHTS IN THE EPITHELIAL-TO-MESENCHYMAL TRANSITION IN BREAST CANCER PROGRESSION

16:30-17:00 Coffee Break

17:00 – 18:15 SESSION III: GAMETOGENESIS AND REPRODUCTIVE HEALTH

CHAIRS: *Elena Menegola & Alessandra Santillo*

Giovanni Piccinini <i>Università di Bologna</i>	LOCALIZATION OF GERMLINE DETERMINANTS AND MITOCHONDRIAL MARKERS DURING OOGENESIS IN <i>POECILIA RETICULATA</i> (CYPRINODONTIFORMES)
Francesco Manfrevola <i>Università della Campania "L. Vanvitelli"</i>	SPERM CHROMATIN REMODELING DURING EPIDIDYMAL TRANSIT DEFINE A PATERNAL EPIGENETIC SIGNATURE POTENTIALLY IMPLICATED IN EMBRYO DEVELOPMENT
Maria Rosaria Ambruosi <i>Università di Napoli "Federico II"</i>	INVOLVEMENT OF THE SIRT/NRF2/MAPKS PATHWAYS IN THE TESTICULAR DYSFUNCTION INDUCED BY TYPE 1 DIABETES
Lorenzo Riccio <i>Università di Napoli "Federico II"</i>	DOG AS A SENTINEL FOR MALE INFERTILITY RISK: MORPHOLOGICAL ANALYSIS OF TESTIS RELATED TO ENVIRONMENTAL POLLUTION IN CAMPANIA REGION
Miriana Peruzzi <i>Università di Napoli "Parthenope"</i>	INSIGHTS INTO REPRODUCTIVE DYNAMICS AND AGE STRUCTURE OF EUROPEAN ANCHOVY (<i>Engraulis encrasicolus</i>) IN THE SOUTHERN TYRRHENIAN SEA
Carmela Marinaro <i>Università di Napoli "Federico II"</i>	IMPACT OF HEAVY METALS MIXTURE ON THE REPRODUCTIVE SYSTEM OF <i>MYTILUS GALLOPROVINCIALIS</i> : A MOLECULAR MECHANISM

Stefania Indelicato <i>Università di Catania</i>	TIO2 BROOKITE NANOPARTICLES IN AQUATIC MICROENVIRONMENTS AFFECT SPERM MOTILITY IN MARINE INVERTEBRATES
Alessandra Biasi <i>Università della Campania "L. Vanvitelli"</i>	TYPE 1 DIABETES IMPAIRS RAT SPERMATOGENESIS INDUCING OXIDATIVE STRESS
Gennaro Lettieri <i>Università di Napoli "Federico II"</i>	ENVIRONMENTAL POLLUTION AND MALE REPRODUCTIVE HEALTH: FINDINGS FROM A PRELIMINARY STUDY IN VALLEY OF SACCO RIVER (LAZIO REGION, ITALY)

*online

13 Giugno

14:30 -15:30 SESSION IV: DEVELOPMENT AND DIFFERENTIATION

CHAIRS: *Adriana Canapa & Rosa Carotenuto*

Marco Muci <i>Università del Salento</i>	NSC-34 G85R SOD1-DERIVED EXTRACELLULAR VESICLES IMPACT MYOBLAST DIFFERENTIATION OF C2C12 CELLS
Edith Tittarelli <i>Università Politecnica delle Marche</i>	EFFECTS OF BISPHENOL A ON TRANSPOSABLE ELEMENT ACTIVITY IN ZEBRAFISH EMBRYO
Maria Battistoni <i>Università di Milano</i>	DEVELOPMENTAL DELAYS INDUCED BY PARTICULATE EXPOSURE FROM URBAN AND RURAL SOURCES: PRELIMINARY RESULTS.
Giulia Chemello <i>Università Politecnica delle Marche</i>	COMPARATIVE ANALYSIS OF SEPIA OFFICINALIS EMBRYO DEVELOPMENT: ASSESSING THE INFLUENCE OF FARMED AND WILD ENVIRONMENTS IN THE ADRIATIC SEA
Elisa Carotti <i>Università Politecnica delle Marche</i>	HOW DID TRANSPOSABLE ELEMENTS SHAPE XENOPUS LAEVIS SUBGENOMES? GENOME LANDSCAPE AND TRANSCRIPTIONAL CONTRIBUTION DURING DEVELOPMENT
Pabitra Denre <i>Università di Napoli "Federico II"</i>	IMPACT OF CADMIUM ON <i>DANIO RERIO</i> 'S SENSE OF SMELL
Barbara Billé <i>Università di Messina</i>	THE POTENTIAL EMBRYOTOXICITY OF THE PESTICIDE THIRAM IN SEA URCHIN <i>ARBACIA LIXULA</i>
Alberto Diana <i>Università di Milano</i>	THE IN-VIVO IMPACT OF SMPX MUTATIONS DURING DEVELOPMENT AND DISEASE

* online

15:30-16:00 SESSION V: TOXICITY OF NANO AND MICROPLASTICS

CHAIRS: *Patrizia Bonfanti & Chiara Maria Motta*

Gelsomina Maisto <i>Università di Napoli "Parthenope"</i>	MICRO AND NANOPARTICLES AFFECT REPRODUCTIVE PROCESS IN THE MUSSEL <i>Mytilus galloprovincialis</i>
Erica Trotta <i>Università Politecnica delle Marche</i>	NEW BIOMARKERS FOR THE ASSESSMENT OF THE PRESENCE OF MICROPLASTICS IN LOGGERHEAD SEA TURTLE EMBRYOS (<i>Caretta Caretta</i>)
Giulia Grillo <i>Università della Campania "L. Vanvitelli"</i>	POLYSTYRENE MICROPLASTICS IMPAIR STEROIDOGENESIS BY INDUCING MITOCHONDRION-ENDOPLASMIC RETICULUM DYSREGULATION
Assunta Lallo <i>Università di Napoli "Federico II"</i>	DO MICROPLASTICS MODIFY THE MORPHOPHYSIOLOGY OF GILLS AND GONADS IN THE MUSSEL <i>MYTILUS GALLOPROVINCIALIS</i> ?
Simone Augello <i>Sapienza-Università di Roma</i>	EVALUATING THE IMPACTS OF NANOPLASTICS AND MICROPLASTICS: A <i>CAENORHABDITIS ELEGANS</i> PERSPECTIVE

* **online**

16:00-16:30 Coffee break

Alberta Trianni <i>Università di Torino</i>	UNRAVELING THE MOLECULAR MECHANISMS OF MICROPLASTICS INTERNALIZATION AND THEIR INTRACELLULAR IMPACT
Raffaella Mastrantone <i>Università di Napoli "Federico II"</i>	FIRST EVIDENCE OF METAL-CONJUGATED POLYSTYRENE MICROPLASTICS IMPACT ON THE <i>X. LAEVIS</i> DEVELOPMENT
Nicolò Paris <i>Università dell'Insubria</i>	THE MEDICINAL LEECH AS A MODEL TO STUDY THE EFFECTS OF NANO AND MICROPLASTICS ON TISSUE REGENERATION
Antonia Acquisto <i>Università di Napoli "Parthenope"</i>	POLYSTYRENE EXPOSURE INDUCES INFLAMMATION IN THE DIGESTIVE GLAND OF BIVALVE MOLLUSC <i>Mytilus galloprovincialis</i>

17:00 – 17:50 SESSION VI: THERAPEUTIC COMPOUNDS

CHAIRS: *Giovanni Scillitani & Ida Ferrandino*

Sara Boumya <i>Università di Torino</i>	BETA-CARYOPHYLLENE AS A THERAPEUTIC AGENT IN 2D AND 3D in vitro MODELS OF HEPATIC STEATOSIS: POTENTIAL INVOLVEMENT OF EXTRACELLULAR VESICLES
Fabrizio De Luca <i>Università di Padova</i>	A POTION OF ETERNAL YOUTH: THE VOGHERA SWEET PEPPER

Daniela Ganci <i>Università di Palermo</i>	OILS FROM SICILIAN WHITE AND RED GRAPE SEEDS EXHIBIT POTENTIAL ANTI-TUMORAL AND ANTI-DIABETIC PROPERTIES: "IN VITRO" PRELIMINARY STUDIES
Lara Lizzi <i>Università dell'Aquila</i>	ROLE OF PHOSPHODIESTERASE-5A IN HEPATOCARCINOGENESIS AND POSSIBLE IMPLICATIONS OF HYPOXIA: IN VITRO STUDIES
Laura Pulze <i>Università dell'Insubria</i>	THE MEDICINAL LEECH HVRNASET2 ENZYME AS A PROMISING MOLECULE DURING TISSUE REGENERATION
Maria Zelinda Romano <i>Università della Campania "L. Vanvitelli"</i>	EXPRESSION OF RSPH6A IN THE FIRST WAVE OF RAT SPERMATOGENESIS AND OXIDATIVE STRESS CONDITIONS: ATTENUATION BY MELATONIN
Debora Latino <i>Università della Campania "L. Vanvitelli"</i>	D-ASPARTATE UPREGULATES STEROIDOGENESIS BY MODULATING MITOCHONDRIA DYNAMICS AND MITOCHONDRIA-ASSOCIATED ENDOPLASMIC RETICULUM MEMBRANES (MAMs)
Teresa Mobilio <i>Università di Napoli "Federico II"</i>	COMPARATIVE EFFECTS OF CONDENSED AND HYDROLYSABLE TANNINS ON EMBRYONIC DEVELOPMENT OF ZEBRAFISH

17:50- 18:15 SESSION VII: FERTILITY PRESERVATION

CHAIRS: *Rosaria Scudiero & Vincenza De Gregorio*

Giulia Brazzale <i>Università di Pavia</i>	IDENTIFICATION OF miRNAs RELEASED BY HUMAN CUMULUS CELLS AND THEIR ROLE IN THE ACQUISITION OF THE OOCYTE DEVELOPMENTAL COMPETENCE
Federica Gardini <i>Università Roma Tre</i>	THE USE OF ARTIFICIAL INTELLIGENCE IN ASSISTED REPRODUCTION: SPERM SELECTION
Vincenzo Genovese <i>Università di Napoli "Federico II"</i>	ENHANCED FOLLICLE GROWTH AND HEALTH ASSOCIATED WITH EXTRACELLULAR MATRIX REMODELING IN BOVINE OVARIAN TISSUE THROUGH DYNAMIC CULTURE
Angela Travaglione <i>Università di Napoli "Federico II"</i>	EFFECTS OF SINGLE EMBRYO CULTURE IN A CONFINED ENVIRONMENT ON THE DEVELOPMENTAL COMPETENCE OF BOVINE EMBRYOS