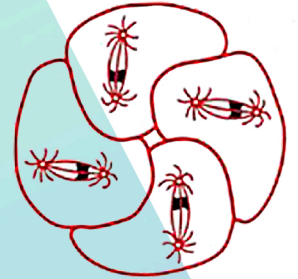


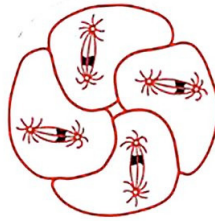
68° Convegno
GEI - SIBSC
Messina 2023



PROGRAMMA



05-08 giugno 2023, Oliveri (ME)



68° Convegno Gruppo Embriologico Italiano - Società Italiana di Biologia dello Sviluppo e della Cellula (GEI-SIBSC)

05-08 Giugno 2023 - Oliveri (ME)

Comitato Scientifico:

Tiziana CAPPELLO

Luciana DINI

Rosalba GORNATI

Maria MAISANO

Comitato Organizzatore:

Tiziana CAPPELLO

Giuseppe DE MARCO

Maria Concetta ELISO

Alessia GIANNETTO

Vincenzo PARRINO

Maria MAISANO

Programma

Presso Sala "Lido Belvedere", Corso Colombo 4, Oliveri (Messina)

Lunedì 05 Giugno 2023

14:00 Apertura della segreteria per le registrazioni

15:30 Saluti di benvenuto; Commemorazione Prof. MANELLI

Session 1 - Xenobiotics and nanomaterials: biological effects

Chair: Salvatore FASULO e Giovanni BERNARDINI

16:00 – 16:30 Lettura magistrale Prof. Mohamed BANNI, LR21AGR02 Università di Sousse e ISBM Università di Monastir, Tunisia

EARLY LIFE STAGES: ROBUST TOOLS FOR ECOTOXICOLOGICAL INVESTIGATIONS

16:30 - 18:30 Comunicazioni

16:30-16:40 **Federica GAMBERONI**, Università dell'Insubria
THE ROLE OF EPIGENETIC MECHANISMS IN NANOTOXICITY

16:40-16:50 **Roberta PECORARO**, Università di Catania
EFFECTS OF NATURAL NANOPOWDERS ON ZEBRAFISH EMBRYOS AFTER SHORT-TERM TEST: PRELIMINARY RESULTS

16:50-17:00 **Massimo VENDITTI**, Università della Campania "Luigi Vanvitelli"
COMBINED EFFECTS OF MICROPLASTICS AND CADMIUM ON RAT TESTICULAR ACTIVITY

17:00-17:10 **Astrid SARACENI**, Università di Torino
EVALUATION OF THE EXPOSURE TO MICROPLASTICS AND ASSOCIATED CONTAMINANTS IN *IN VITRO* AND *IN VIVO* MODELS

17:10-17:20 **Siwar ABOUDA**, Università di Messina
CYTOTOXICITY OF ENVIRONMENTAL MICROPLASTICS AND BENZO[A]PYREN IN THE SEAWORMS *HEDISTE DIVERSICOLOR*

17:20-17:30 **Roberto CHIARELLI**, Università di Palermo
EFFECTS OF VANADIUM DURING DEVELOPMENT OF SEA URCHIN EMBRYOS IN A CLIMATE CHANGE PROSPECTIVE

17:30-17:40 **Mariachiara GALATI**, Università di Messina
CYTOTOXIC ACTION INDUCED BY SINGLE AND COMBINED EXPOSURE OF REALISTIC DOSES OF CAFFEINE AND SALICYLIC ACID IN MUSSEL *MYTILUS GALLOPROVINCIALIS*

17:40-17:50 **Giuseppe DE MARCO**, Università di Messina
CELLULAR MECHANISMS ALTERED BY ENVIRONMENTAL DOSAGES OF ANTI-INFLAMMATORY AND ANTIVIRAL DRUGS IN MARINE MUSSELS

17:50-18:00 **Chiara FOGLIANO**, Università di Napoli "Federico II"
MORPHO-FUNCTIONAL IMPAIRMENT OF INTESTINE AND SKELETAL MUSCLE IN *XENOPUS LAEVIS* EMBRYOS EXPOSED TO DELORAZEPAM

18:00-18:10 **Luigi ROSATI**, Università di Napoli "Federico II"
GLYPHOSATE IMPAIRS STRUCTURAL AND FUNCTIONAL ORGANIZATION OF OVARIAN FOLLICLES IN THE LIZARD *PODARCIS SICULUS*

18:10-18:20 **Alessandra SANTILLO**, Università della Campania "Luigi Vanvitelli"
DETRIMENTAL EFFECTS OF CADMIUM ARE COUNTERACTED/PREVENTED BY D-ASPARTATE IN RAT TESTIS

18:30 – 19:30 Aperitivo di benvenuto

Martedì 06 Giugno 2023

08:00 Apertura della segreteria

08:30 – 09:00 Comunicazioni del Presidente; Commemorazione Prof. CANONACO

09:00 – 09:30 Dott. Girolamo PIZZI per INTEGRA srl Academy and Business Training
STRATEGIE VINCENTI NELLA COMUNICAZIONE E NELLA LEADERSHIP

Session 2 - Invertebrate models and effects of microplastics

Chair: Angela MAUCERI e Maria Carmela ROCCHERI

09:30 – 10:30 Comunicazioni

09:30-09:40 **Nicola FRANCHI**, Università di Modena e Reggio Emilia
ARE INVERTEBRATE COMPLEMENT REGULATORS HYPERVARIABLE? NEW EVIDENCES FROM NANOPORE TECHNOLOGY

09:40-09:50 **Davide MALAGOLI**, Università di Modena e Reggio Emilia
CHEMICAL DEPLETION OF PHAGOCYtic HEMOCYTES TRANSIENTLY HALTS THE REGENERATION OF THE CEPHALIC SENSORY TENTACLE IN ADULT *POMACEA CANALICULATA* AND AFFECTS THE EXPRESSION OF IMMUNE-RELATED MOLECULES IN THE TENTACLE BLASTEMA

09:50-10:00 **Maria Concetta ELISO**, Università di Messina
FROM THE MOLECULAR TO INDIVIDUAL LEVEL: AN INTEGRATIVE APPROACH TO INVESTIGATE INTO THE MECHANISMS OF NANOPLASTICS TOXICITY DURING *CIONA ROBUSTA* EMBRYOGENESIS

10:00-10:10 **Francesco VARI**, Università di Roma "La Sapienza"
MICROPLASTICS FROM FFP2 MASKS AFFECT *PARACENTROTUS LIVIDUS* DEVELOPMENT

10:10-10:20 **Rossana ROMANO**, Università di Napoli "Parthenope"
CYTOTOXIC EFFECTS INDUCED BY MICRO AND NANOPLASTICS IN GILLS OF *MYTILUS GALLOPROVINCIALIS*

10:20-10:30 **Giorgia GIOACCHINI**, Università Politecnica delle Marche
MICROPLASTICS IDENTIFIED, FOR THE FIRST TIME, IN THE YOLK AND EMBRYOS OF COMMON CUTTLEFISH FROM THE CENTRAL ADRIATIC SEA: EFFECTS ON EMBRYOS AND HATCHLINGS' DEVELOPMENT

10:30 – 11:00 Coffee break

11:00 – 12:30 Poster

Chair: Ida FERRANDINO e Roberta PENNATI

Federica BERTINI, Università di Palermo
COMPARISON OF SALICYLIC ACID AND CAFFEIN EFFECT ON THE DIGESTIVE GLANDS MICROTUBULES OF *MYTILUS GALLOPROVINCIALIS*

Clarissa DE VITA, Università di Palermo
A MESOCOSM STUDY: BEHAVIOURAL AND PHYSIOLOGICAL STRESS RESPONSES OF *CHERAX QUADRICARINATUS* AFTER EXPOSURE TO ACOUSTIC SIGNAL

Stefania INDELICATO, Università di Catania
ACUTE EXPOSURE OF *ARTEMIA SALINA* TO TiO₂ BROOKITE/CEO₂ NANOPARTICLES

Maria Violetta BRUNDO, Università di Catania
USE OF *ARTEMIA SALINA* IN TOXICITY STUDIES OF NANOMATERIALS

Teresa CHIANESE, Università di Napoli “Federico II”

MORPHOLOGICAL CONDITIONS OF MUSSEL GONADS AFTER EXPOSURE TO POLYSTYRENE MICROPLASTICS ALONE AND CONJUGATED WITH BISPHENOL A OR CADMIUM

Marco Vito GUGLIELMI, Università di Bari “Aldo Moro”

COMPARATIVE COMPOSITION AND DISTRIBUTION OF MUCINS IN THE MANTLE EDGE OF BIVALVES

Elisabetta BENEDETTI, Università dell’Aquila

TOXICOLOGICAL EVALUATIONS OF GLYPHOSATE IN ZEBRAFISH EARLY-LIFE STAGE

Alessandra LA PIETRA, Università di Napoli “Federico II”

TOXICOLOGICAL EFFECTS OF MICROPLASTICS ON ZEBRAFISH EARLY DEVELOPMENTAL STAGES

Ilaria SGARIGLIA (online), Università di Napoli “Federico II”

BENZODIAZEPINE DELORAZEPAM INTERFERENCE WITH EARLY *PARACENTROTUS LIVIDUS* DEVELOPMENT

Gelsomina MAISTO (online), Università di Napoli “Parthenope”

MICROPLASTICS AND NANOPLASTICS POLYSTYRENE IMPAIR DIGESTIVE AND BYSSUS GLANDS IN *MYTILUS GALLOPROVINCIALIS*

Fátima BRANDÃO (online), Università di Aveiro, PT

EFFECTS OF AN EXTENSIVELY USED UV-FILTER (OXYBENZONE) ON THE ELIMINATION OF LIPOPHILIC TOXINS IN THE CLAM (*DONAX TRUNCULUS*)

Giorgio BLUMER (online), Università di Milano

EXPLORING RETINOIC ACID ROLE IN CRINOID EMBRYOGENESIS

Maria CARANNANTE (online), Università della Campania “Luigi Vanvitelli”

DNA DAMAGE BY POLYSTYRENE MICROPLASTICS IN ZEBRAFISH

Chiara ARENA (online), Università di Roma “Sapienza”

ENVIRONMENTAL CHANGES AFFECT TRANSPONSON EXPRESSION IN ZEBRAFISH (*DANIO RERIO*)

Filomena MOTTOLA (online), Università della Campania “Luigi Vanvitelli”

GENOTOXIC EVALUATION IN ZEBRAFISH OF QUINOIN, TYPE 1 RIBOSOME-INACTIVATING PROTEIN FROM QUINOA SEEDS

Christian GIOMMI (online), Università Politecnica delle Marche

BENEFICIAL BACTERIA TO COUNTERACT PFOA TOXICITY ON *DANIO RERIO* DEVELOPMENT

Fiorenza SELLA (online), Università Politecnica delle Marche

TEMPOL-METHOXYCINNAMATE, AN ENVIRONMENTALLY-FRIENDLY UV FILTER? EVIDENCE FROM ZEBRAFISH EARLY DEVELOPMENT

Marta LOMBO’ (online), Università Politecnica delle Marche

AN INSIGHT INTO THE HAZARDOUS EFFECTS OF GLYPHOSATE DIETARY DOSES ON ZEBRAFISH MALE REPRODUCTION

12:30 – 14:00 Pranzo

Session 3 - Health and therapy

Chair: Luciana DINI e Claudio LUPARELLO

14:00 – 14:30 Lettura magistrale Dott. Francesco IARRERA, Referente regionale e Responsabile centro AIDAP (Associazione Italiana Disturbi Alimentari e del Peso)

A BALANCED DIET FOR HEALTH AND WELLNESS

14:30 – 16:20 Comunicazioni

14:30-14:40 **Nicla ROMANO**, Università della Tuscia
RACK1 IS INVOLVED IN EMBRYONAL GENES EXPRESSION IN ZEBRAFISH HEART HYPERTROPHY

14:40-14:50 **Ludovica BARONE**, Università dell'Insubria
IN VIVO PRO-ANGIOGENIC POTENTIAL OF MESENCHYMAL STEM CELL- CONDITIONED MEDIUM PRODUCED UNDER NORMOXIC AND HYPOXIC CONDITIONS

14:50-15:00 **Cristina PAGIATAKIS**, Università dell'Insubria
THE ROLE OF TAZ IN THE EPIGENETIC MAINTENANCE OF CARDIOMYOCYTE HOMEOSTASIS

15:00-15:10 **Sabrina DI BARTOLOMEO**, Università del Molise
BROMODOMAIN AND EXTRATERMINAL DOMAIN (BET) PROTEINS INHIBITION HINDERS GLIOBLASTOMA PROGRESSION BY INDUCING AUTOPHAGY-DEPENDENT DIFFERENTIATION

15:10-15:20 **Diana VARDANYAN**, Università di Roma "La Sapienza"
GLIOBLASTOMA-DERIVED EXTRACELLULAR VESICLES INDUCED MATURATION OF DENDRITIC CELLS: A PROMISING APPROACH FOR IMMUNOTHERAPY

15:20-15:30 **Giulia ABRUSCATO**, Università di Palermo
CYTOTOXICITY OF EXTRACTS FROM LEAVES AND RHIZOMES OF *POSIDONIA OCEANICA* ON HEPG2 TUMOR CELLS: FOCUS ON AUTOPHAGY AND APOPTOSIS

15:30-15:40 **Camilla MOLITERNI**, Università di Roma "La Sapienza"
OXIDATIVE STRESS AND LIPID ACCUMULATION ASSOCIATED WITH AN *IN VITRO* NAFLD MODEL WERE REDUCED BY OLIVE LEAF EXTRACT

15:40-15:50 **Fabiana GERACI**, Università di Palermo
EFFECTS OF HYDROGEN PEROXIDE ON APOPTOSIS AND AUTOPHAGY OF MESOANGIOBLAST (C57) CELLS

15:50-16:00 **Sara MARCHETTI**, Università di Milano-Bicocca
AIR POLLUTION AND RESPIRATORY VIRAL DISEASES: A CASE STUDY ON THE EFFECT OF PM2.5 AND SARS-CoV-2 IN HUMAN LUNG CELLS

16:00-16:10 **Patrizia CANCEMI**, Università di Palermo
MATRIX METALLOPROTEINASES (MMPs) IN FOLLICULAR FLUIDS (FF) AND FF-DERIVED EXTRACELLULAR VESICLES (EVs) FROM PATIENTS UNDERGOING TO *IN VITRO* FERTILIZATION (IVF) TECHNIQUES

16:10-16:20 **Michele D'ANGELO**, Università dell'Aquila
rhNGF RESCUES HEARING IMPAIRMENT IN AGED SAMP8

16:30 – 17:00 Coffee break

Chair: Nicla ROMANO e Marco COLASANTI

17:00 – 17:50 Poster

Deborah GARGANO, Università del Molise
THE ROLE OF AUTOPHAGY IN GLIOBLASTOMA ONCOBIOLOGY

Matteo DIGREGORIO, Università di Pisa
CHARACTERIZATION OF A ZEBRAFISH *SETD5* LOSS-OF-FUNCTION MODEL: INSIGHTS INTO NEURODEVELOPMENTAL AND BEHAVIOURAL DEFICITS ASSOCIATED WITH ASD

Debora LATINO, Università della Campania "Luigi Vanvitelli"
HIGH-FAT DIET INDUCES CELL DAMAGE IN RAT EPIDIDYMIS

Marina PRISCO, Università di Napoli "Federico II"
BLOOD TESTIS BARRIER PROTEIN IN AUTISM MODEL MOUSE

Aldo MILEO, Università di Napoli "Federico II"

POTENTIAL COCKTAIL EFFECT OF NONYLPHENOL AND SEX HORMONES ON HUMAN PROSTATE CELLS

Sara VITOLO, Università di Pisa

METABOLIC REPROGRAMMING AND MODULATION OF MICROGLIA IN AMYOTROPHIC LATERAL SCLEROSIS

Maurizio MUZZI, Università di Roma Tre

EFFECTS OF TRIMETAZIDINE ON MITOCHONDRIAL DYSFUNCTION IN AMYOTROPHIC LATERAL SCLEROSIS SOD1G93A CELL MODELS: AN ULTRASTRUCTURAL STUDY

Fabiola VAGLICA, Università di Palermo

MMP-2 AND MMP-9 EXPRESSION LEVELS IN CEREBROSPINAL FLUID AND DERIVED-EXTRACELLULAR VESICLES FROM PATIENTS WITH MULTIPLE SCLEROSIS

Claudia GUERRIERO (online), Università di Roma "Sapienza"

INTERACTION BETWEEN β -ARRESTIN1 AND M2 MUSCARINIC RECEPTORS IN GLIOBLASTOMA CANCER STEM CELLS: IMPLICATION IN CELL PROLIFERATION AND SURVIVAL

18:00 – 19:00 Assemblea soci GEI-SIBSC

Mercoledì 07 Giugno 2023

08:15 Apertura della segreteria

Chair: Tiziana CAPPELLO

09:00 – 09:30 Lettura magistrale Prof. Mário PACHECO, Centre for Environmental and Marine Studies (CESAM) and Department of Biology, Università di Aveiro, Portogallo

TOXICITY OF MERCURY IN FISH - ARE CELLS OF THE NERVOUS SYSTEM A PREFERENTIAL TARGET?

Session 4 - Neurodevelopment and neurobiology

Chair: Mario PESTARINO e Massimo PASQUALETTI

09:30 – 11:00 Comunicazioni

09:30-09:40 **Matteo BOZZO**, Università di Genova

ROLES OF RETINOIC ACID SIGNALING IN NEURAL DIFFERENTIATION IN CEPHALOCHORDATES

09:40-09:50 **Cinzia BRAGATO**, Università di Milano-Bicocca

ZEBRAFISH DNMT1A GENE PLAYS A ROLE IN THE FORMATION OF AXONS AND SYNAPSES IN THE NERVOUS TISSUE

09:50-10:00 **Deianira BELLITTO**, Università di Genova

MULTIPLE APPROACHES REVEAL ALTERED LIPID METABOLISM, NEUROTRANSMITTER RELEASE AND NERVOUS CONDUCTION IN A ZEBRAFISH MODEL OF ALEXANDER DISEASE

10:00-10:10 **Alessia Grazia Dominga REMIGANTE**, Università di Messina

PROTECTIVE EFFECTS OF MELATONIN IN REDUCING OXIDATIVE STRESS IN A MODEL OF AGING NEUROGLIA: FOCUS ON THE KIR2.1 CHANNEL ACTIVITY

10:10-10:20 **Martina OREFICE**, Università di Pisa

UNVEILING THE HIDDEN ROLE OF NATURAL KILLER CELL TRIGGERING RECEPTOR (NKTR) GENE IN NEURAL CREST CELLS (NCCs) DEVELOPMENT

10:20-10:30 **Noemi BARSOTTI**, Università di Trento

FUNCTIONAL AND NEUROANATOMICAL DISCONNECTIVITY IN ASD MOUSE MODELS

10:30-10:40 **Daniele PENSABENE**, Università del Molise

INHIBITION OF BET PROTEINS BY JQ1 PREVENTS ROTENONE-INDUCED OXIDATIVE STRESS IN A CELL MODEL OF PARKINSON'S DISEASE

10:40-10:50 **Noemi MARTELLA**, Università del Molise

BET INHIBITION ATTENUATES CHOLESTEROL METABOLISM DERANGEMENTS IN RETT SYNDROME

10:50-11:00 **Elisabetta CARATA**, Università del Salento

NSC-34 MN-LIKE CELLS TRANSFECTED WITH MUTANT SOD1 RECRUIT RAW 264.7 MACROPHAGES: THE START OF A FATAL COMMUNICATION

11:00 – 11:30 Coffee break

Chair: Simona CANDIANI e Paolo Marcello PERETTO

11:30 – 13:30 Poster

Mattia TONI, Università di Roma "La Sapienza"

TEMPERATURE VARIATION INDUCES NEUROTOXICITY IN *DANIO RERIO*

Ida FERRANDINO, Università di Napoli “Federico II”

DNA DAMAGE IN THE BRAIN OF ZEBRAFISH EXPOSED TO ALUMINUM

Martina FAZZINA, Università di Bologna

DISCOVERING NEW lncRNAs IN ZEBRAFISH: CHARACTERIZATION OF *LOC100535512* IN THE DEVELOPING AND ADULT CENTRAL NERVOUS SYSTEM

Christian D’ABRAMO, Università di Milano-Bicocca

EXPLOITING ZEBRAFISH TOOLS TO EVALUATE BIOINTERACTIONS AND ADVERSE EFFECTS OF SILICA- AND COPPER-BASED NANOMATERIALS

Francesca DI RENZO, Università di Milano

IDENTIFICATION OF A FUNCTIONAL PREDICTIVE ASSAY TO TEST DEVELOPMENTAL NEUROTOXICITY IN THE *XENOPUS LAEVIS* TADPOLE

Daniela SEMERARO, Università di Bari “Aldo Moro”

CELL PROFILING OF THE EMBRYONIC INTEGUMENT OF THE MODEL FROG *PELOPHYLAX KL. ESCULENTUS* BY HISTOCHEMICAL AND ULTRASTRUCTURAL METHODS

Claudio LUPARELLO, Università di Palermo

EXTRACTS FROM MARINE SPECIES MODULATE GLUCOSE UPTAKE AND CONSUMPTION BY HEPG2 CELLS

Myriam KARAM, Università di Napoli “Parthenope”

MACROSCOPIC AND MICROSCOPIC ANALYSES TO EVALUATE THE GONADIC MATURITY OF *ENGRAULIS ENCRASICOLUS* IN THE CAMPANIA COAST

Salvatore BELARDO, Università di Napoli “Parthenope”

HISTOLOGICAL ANALYSIS TO INVESTIGATE THE EFFECTS ON HEALTHY MUSCLE TISSUE AFTER IRRADIATION WITH FLASH THERAPY IN A MURINE MODEL

Maurizio ZUCCOTTI, Università di Pavia

IN SITU PROTEOMICS: IDENTIFICATION OF DIFFERENTIALLY EXPRESSED PROTEINS DURING MOUSE FOLLICULOGENESIS

Giada CALOGERO, Università di Catania

MITOCHONDRIAL DNA COPY NUMBER AS BIOMARKER OF HUMAN AND ENVIRONMENTAL HEALTH

Emanuela PERI, Università di Palermo

EXPLORING THE EPITHELIAL-TO-MESENCHYMAL TRANSITION IN BREAST CANCER BY PROTEOMIC AND *IN SILICO* INVESTIGATIONS

Antonio SALVAGGIO, IZS Sicilia Area Catania

TERATOGENIC EFFECTS OF DIMETHOATE ON EMBRYONATED EGGS *GALLUS GALLUS DOMESTICUS*

Giulia CHEMELLO (online), Università Politecnica delle Marche

EVALUATION OF THE REPRODUCTIVE BIOLOGY OF THE EUROPEAN SARDINE IN THE ADRIATIC SEA

Maria BATTISTONI (online), Università di Milano

IDENTIFICATION OF A NEW DEVELOPMENTAL SCORING SYSTEM APPLICABLE TO FETAX (FROG EMBRYO TERATOGENICITY ASSAY: *XENOPUS*)

Stefano TACCONI (online), INRAE Carmen Lab. Lyon, FR

BOVINE MILK EXTRACELLULAR VESICLES: AN ORAL DRUG DELIVERY SYSTEM FOR BIOACTIVE COMPOUNDS

Francesca MELFI (online), Università di Napoli “Federico II”

DOES MICROPLASTICS INDUCE SUFFERENCE IN *XENOPUS LAEVIS* EMBRYOS?

Ana Catarina NETO (online), Università di Aveiro, PT

MARINE MACROALGAE DIETARY SUPPLEMENTATION PROVIDES GENOPROTECTION IN FISH (*DIPLODUS SARGUS*) AGAINST INORGANIC MERCURY: EVIDENCES FROM ACCUMULATION LEVELS IN BLOOD AND ERYTHROCYTIC NUCLEAR ABNORMALITIES

Martina TERRICOLA (online), Università di Roma Tre

PEROXISOMAL ALTERATIONS IN A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS

Erica TROTTA (online), Università Politecnica delle Marche

YOLK INTERNALIZATION PATTERNS IN EMBRYOS OF LOGGERHEAD SEA TURTLE (*CARETTA CARETTA*): HOW NUTRIENTS ARE TRANSFERRED TO THE EMBRYOS?

13:30 – 15:00 Pranzo

15:30 “Gita a Tindari”

20:30 Cena Sociale

Giovedì 08 Giugno 2023

08:15 Apertura della segreteria

Session 5 - Reproduction and development

Chair: Vincenza LAFORGIA e Maurizio ZUCCOTTI

08:30 – 09:00 Valerio PISATURO, Presidente SIERR

WHICH EXPERTISE ARE NEEDED FOR BIOLOGISTS TO WORK IN THE FIELD OF HUMAN REPRODUCTION?

09:00 – 10:30 Comunicazioni

09:00-09:10 **Roberta PENNATI**, Università di Milano

CONSERVED ROLE OF SEROTONIN IN MELANOGENESIS OF CHORDATES

09:10-09:20 **Luisa DALLA VALLE**, Università di Padova

THE ROLE OF THE ZEBRAFISH PROTEIN AMBRA1B ON THE PRIMORDIAL GERM CELL SURVIVAL AND SEX DETERMINATION

09:20-09:30 **Elena MENEGOLA**, Università di Milano

RELATIVE POTENCY AND MIXTURE EFFECTS OF TWO BISPHENOL PLASTICIZERS (BPA AND BPB) ON *XENOPUS LAEVIS* DEVELOPMENT

09:30-09:40 **Sara FALVO**, Università della Campania "Luigi Vanvitelli"

SPERMATOGENESIS AND MITOCHONDRIAL FUNCTIONALITY IN HIGH FAT DIET-FED RATS

09:40-09:50 **Vincenza BARBATO**, Università di Napoli "Federico II"

LONG-TERM *IN VITRO* DYNAMIC CULTURE OF BOVINE OVARIAN CORTICAL TISSUE (BOCT) INCREASES FOLLICLE GROWTH, VIABILITY AND AMH SECRETION

09:50-10:00 **Vincenza DE GREGORIO**, Università di Napoli "Federico II"

ESTABLISHING INDIVIDUAL BOVINE EMBRYO CULTURES IN SUB-MICROLITER ENVIRONMENT MAINTAINS THE BLASTOCYST COMPETENCE

10:00-10:10 **Maria DE FALCO**, Università di Napoli "Federico II"

EFFECTS OF DIBUTYL PHTHALATE AND ENDOGENOUS SEX HORMONES ON HUMAN PROSTATE CELLS

10:10-10:20 **Elena Maria SCALISI**, Università di Catania

TITANIUM DIOXIDE NANOPARTICLES: TOXICITY ON MALE REPRODUCTIVE SYSTEM

10:20-10:30 **Martina CONTINO**, Università di Catania

THE HSP70 EXPRESSION AS CYTOPROTECTIVE RESPONSE AGAINST GENETICS AND OXIDATIVE DAMAGE ON HUMAN SPERMATOZOA EXPOSED TO POLYSTYRENE NANOPARTICLES

10:30 – 11:00 Coffee break

Session 6 - Cellular responses

Chair: Rosalba GORNATI e Maria MAISANO

11:00 – 12:00 Comunicazioni

11:00-11:10 **Stefano ZUCCA**, Università di Torino

MULTISENSORY REPRESENTATION OF IMPRINTED COURTSHIP CUES

11:10-11:20 **Sara SPINELLI**, Università di Messina

AGE-DEPENDENT FUNCTIONAL CHANGES IN MEMBRANE TRANSPORT SYSTEMS: THE KEY ROLE OF ANTIOXIDANTS

11:20-11:30 **Donatella MENTINO**, Università di Bari “Aldo Moro”

AQUAPORIN DEFICIENCY AFFECTS MORPHOLOGICAL AND GLYCOSYLATION PATTERNS IN THE GASTRIC CELLS OF A MURINE MODEL

11:30-11:40 **Federica IMPELLITTERI**, Università di Messina

MOVE OVER, OLD-SCHOOL ASSAYS: MEET THE REGULATORY VOLUME DECREASE (RVD) TEST, YOUR NEW BEST FRIEND FOR MEASURING CELLULAR DAMAGE!

11:40-11:50 **Kristian RIOLO**, Università di Messina

EFFECT OF SUSTAINABLE PROTEIN SOURCES FROM *H. ILLUCENS* ON GROWTH PERFORMANCE OF ZEBRAFISH (*DANIO RERIO*) FROM LARVA TO ADULT

12:00 – 12:30 Comunicazione vincitori premi miglior poster e miglior presentazione

12:30 – 14:30 Pranzo

15:30 Passeggiata alla Riserva Naturale Orientata “Laghetti di Marinello”, spiaggia della “Punta” del Golfo Naturale di Tindari e ritorno con scafo

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