

**PROGRAMMA DEL CONGRESSO**

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| **Comitato organizzatore** | **Comitato scientifico** |
| Ada Maria Tata  Stefano Cannata  Cesare Gargioli  Giuseppe Lupo  Sandra Moreno  Tiziana Persichini  Bruno Cignini | Mario Pestarino  Fiorenza De Bernardi  Stefano Cannata  Francesco Cecconi  Marco Colasanti  Giuseppe Lupo  Sandra Moreno  Tiziana Persichini  Mauro Piacentini  Ada Maria Tata  Mattia Toni |

Segreteria Organizzativa: Cristina Compagno

M.T.B. Management of Tourism and Biodiversity – Roma

**■ Lunedi 12 giugno – “SAPIENZA” Università di Roma**

**Piazzale Aldo Moro, 5 – 00185 Roma**

## Presso: Aula Magna Rettorato (ingresso lato Minerva)

14:00 Registrazione

**15:00-15:30 Saluti di benvenuto**

Magnifico Rettore Prof. Eugenio Gaudio, Preside della Facoltà di Scienze MM FF NN Prof. Enzo Nesi, Direttore del Dipartimento di Biologia e Biotecnologie Charles Darwin, Prof. Stefano Biagioni – Sapienza Università di Roma

Prof. Mario Pestarino – Presidente GEI Gruppo Embriologico Italiano

15:30-16:10 **Lecture**

Chair: **Mario Pestarino, Fiorenza De Bernardi**

**Prof. Ernesto Capanna – “Sapienza” Università di Roma**  
THEORIA GENERATIONIS: THE ANCIENT ROOTS OF THE MODERN DEVELOPMENTAL BIOLOGY

16:10-16:50 **Lecture**

Chair: **Mario Pestarino, Fiorenza De Bernardi**

**Prof. Stefano Biffo – Università degli studi di Milano**

FROM AN INTEGRIN BINDING PROTEIN TO AN EVOLUTIONARILY CONSERVED TRANSLATION FACTOR NECESSARY FOR THE CONTROL OF METABOLISM

**Opening Session: Aging and Degeneration**

Chair: **Fiorenza De Bernardi, Sandra Moreno**

17:00-17:15 **Martina Api**, Piera Biondi, Eva Terzibasi Tozzini, Ike Olivotto, Alessandro Cellerino and Oliana Carnevali

DEVELOPMENTAL CONSEQUENCES OF PARENTAL AGING IN NOTHOBRANCHIUS FURZERI OFFSPRING

17:15-17:30 **Roberto Papait**, Rosalba Gornati and Giovanni Bernardini

DO AGING-MEDIATED EPIGENETIC CHANGES CAUSE CARDIAC AGING?

17:30-17:45 **Rossella Borghi**, Stefania Petrini, Fiorella Colasuonno, Valentina D'Oria, Alessia Niceforo, Enrico Bertini, Claudia Compagnucci and Sandra Moreno

NUCLEAR AND MITOCHONDRIAL ALTERATIONS IN LONG-TERM CULTURES OF INDUCED PLURIPOTENT STEM CELLS

17:45-18:00 **Pietro Laneve**, Davide Capauto, Silvia Biscarini, Lei Lu, Alessio Colantoni, Giovanna Peruzzi, Tiziana Santini, Beatriz Blanco Redondo, Elisa Caffarelli, Neil A. Shneider and Irene Bozzoni

ALS-ASSOCIATED FUS MUTATION ALTERS MOTONEURON RNA EXPRESSION AND CIRCUITS

18:00-18:15 **Giuseppe Lupo**, Paola S. Nisi, Pilar Esteve, Yu-Lee Paul, Stefano Biagioni, Paola Bovolenta, Emanuele Cacci and Peter J. Rugg-Gunn

EPIGENOMIC PROFILING OF AGED MOUSE NEURAL STEM/PROGENITOR CELLS IDENTIFIES DBX2 AS A CANDIDATE REGULATOR OF AGE-ASSOCIATED NEUROGENIC DECLINE

18:30-19:00 Coro Alitalia

19:00-20:30 Cocktail di benvenuto (terrazza Aula Magna)   
21:00-24:00 Visita al Colosseo e ai sotterranei (facoltativo su prenotazione)

**■ Martedì 13 giugno – Museo Civico di Zoologia**

### Via Ulisse Aldrovandi, 18 – 00197 Roma

### 09:00 Saluti del Direttore del Museo di Zoologia Dr. Bruno Cignini

09:10-09:30 Commemorazione Prof. Giudice: **Gabriella Sconzo**

09:30-10:00 **Lecture**

Chair: **Gabriella Sconzo, Maria Carmela Roccheri**

**Prof. Vincenzo Cavalieri – Università degli Studi di Palermo**  
SEA URCHIN RESEARCH: MILESTONES, MEMORIES, AND FUTURE CHALLENGES

**Morning Session 1: Early Development and Organogenesis**

Chair: **Giuseppe Lupo, Robert Vignali**

10:00-10:15 **Maria Antonietta Ragusa**, Aldo Nicosia, Salvatore Costa, Angela Cuttitta and Fabrizio Gianguzza

GENE STRUCTURE, DIFFERENTIAL EXPRESSION AND PHYLOGENETIC ANALYSIS OF THE METALLOTHIONEIN GENE FAMILY OF THE SEA URCHIN PARACENTROTUS LIVIDUS

10:15-10:30 **Lucia Manni**, Delphine Dauga and Kohji Hotta

THE COMPLETE ANNOTATION OF CIONA DEVELOPMENT AND ANATOMY: THE LARVAL AND METAMORPHOSIS STAGES

10:30-10:45 **Nicolo' Parrinello**, Daniela Parrinello, Maria Giovanna Parisi and Matteo Cammarata

THE EXPRESSION OF IMMUNE-RELATED GENES IS INVOLVED IN ASCIDIAN DEVELOPMENT

10:45-11:00 **Luisa Dalla Valle**, Giacomo Meneghetti, Tatjana Skobo, Nicola Facchinello, Camilla Fontana, Martina Chrisam, Francesco Cecconi, Patrizia Sabatelli and Paolo Bonaldo

THE AMBRA1A, AMBRA1B AND EPG5 KNOCK OUT LINES: THREE ZEBRAFISH MODELS TO STUDY AUTOPHAGY

11:00-11:15 **Fabrizio Pizzetti**, Gianluca Deflorian, Anna Pistocchi, Laura Ferrari, Maria Chiara Pelleri, Raffaella Casadei and Flavia Frabetti

THE ROLE OF cyyr1 GENE DURING ZEBRAFISH DEVELOPMENT IN HH-MEDIATED MYOGENESIS AND NEUROMASTS DIFFERENTIATION

11:15-11:45 Coffee break

**Morning Session 2: Early Development and Organogenesis**

Chair: **Lucia Manni, Michela Ori**

11:45-12:00

**Luisa Campagnolo**, Diletta Piccirilli, Micol Massimiani, Enke Baldini, Salvatore Ulisse and Costanzo Moretti

THYROID HORMONE-REGULATED MOLECULAR MECHANISMS DRIVING MOUSE BLASTOCYST IMPLANTATION

12:00-12:15 **Sara Ricciardi**, Nicola Manfrini, Annarita Miluzio, Alessandra Scagliola and Stefano Biffo

THE EUKARYOTIC INITIATION FACTOR 6 (EIF6) IS RATE-LIMITING FOR CD4+ T LYMPHOCYTES DEVELOPMENT

12:15-12:30 **Elena Menegola**, Renato Bacchetta, Maria Battistoni, Francesca Di Renzo, Francesca Metruccio and Angelo Moretto

IN VITRO EMBRYO EXPOSURE TO RETINOIC ACID, VALPROIC ACID, ETHANOL AND TO THE ANTIFUNGAL PROCHLORAZ ALONE OR IN MIXTURE: EFFECTS ON CRANIO-FACIAL MORPHOGENESIS

12:30-12:45 Rosa Carotenuto, **Antonietta Siciliano**, Emilia Galdiero and Margherita Tussellino

DAPHNIA MAGNA AND XENOPUS LAEVIS AS IN VIVO MODELS TO PROBE TOXICITY AND UPTAKE OF QUANTUM DOTS FUNCTIONALIZED WITH GH625

12:45-13:00 Simona Martinotti, Stefano Biffo and **Elia Ranzato**

EPITHELIAL TO MESENCHYMAL TRANSITION AND WOUND HEALING: IS THE HONEY A POSSIBLE LINK?

13:00-13:40 Light lunch

**13:45-14:30 POSTER SESSION**

14:30-15:00 **Lecture**

Chair: **Mario Pestarino**

**Prof. Alessandro Minelli – Università di Padova**

EVO-DEVO: THE UNCERTAIN ARRIVAL OF THE FITTEST

**Afternoon session 1: Stem cells and Regeneration**

Chair: **Federico Cremisi, Cesare Gargioli**

15:00-15:15 Maria Magdalena Barreca, Gabriella Sconzo and **Fabiana Geraci**

PARACRINE ROLES OF EXTRACELLULAR VESICLES RELEASED BY MOUSE MESOANGIOBLASTS

15:15-15:30 **Alice Accorsi,** Eric Ross, Enzo Ottaviani and Alejandro Sánchez Alvarado

POMACEA CANALICULATA: A NEW MODEL SYSTEM FOR STUDYING DEVELOPMENT AND REGENERATION OF COMPLEX EYES

15:30-15:45 **Sara Trova**, Livio Oboti, Roberta Schellino, Marilena Marraudino, Natalie R. Harris, Olubukola M. Abiona, Mojca Stampae, Weihong Lin and Paolo Peretto

ACTIVITY DEPENDENT MODULATION OF GRANULE CELL SURVIVAL IN THE ACCESSORY OLFACTORY BULB AT PUBERTY

15:45-16:00 **Sara Ferrando**, Andrea Amaroli, Lorenzo Gallus, Enrica Roccotiello, Stefano Rosatto and Marino Rottigni

THE EARTHWORM DENDROBAENA VENETA: SOIL TOXICOLOGY, WOUND HEALING, AND OTHER

16:00-16:15 **Cinzia Ferrario**, Yousra Ben Khadra, Anna Czarkwiani, Anne Zakrzewski, Miriam Ascagni, Francesco Bonasoro, Maria Daniela Candia Carnevali, Paola Oliveri and Michela Sugni

NEW INSIGHTS INTO THE REPAIR PHASE OF ECHINODERM ARM REGENERATION

16:15-16:45 Coffee break

**Afternoon session 2: Stem cells and Regeneration**

Chairs: **Simona Casarosa, Bice Avallone**

16:45-17:00 **Ersilia Fornetti**, Stefano Testa, Francesco Tamiro, Sergio Bernardini, Stefano Cannata and Cesare Gargioli

MUSCLE PERIVASCULAR STEM CELLS FOR ADVANCED SKELETAL MUSCLE TISSUE REGENERATIVE APPROACHES

17:00-17:15 **Andrea Cerquone Perpetuini**, Alessio Reggio, Alberto Calderone, Milica Marinkovic, Elisa Micarelli, Stefano Pirrò, Marco Rosina, Roberta Stefanelli, Cesare Gargioli, Luisa Castagnoli and Gianni Cesareni

REWIRING FIBRO-ADIPOGENIC PROGENITORS DIFFERENTIATION TRAJECTORIES TO COUNTERACT MUSCLE MYOPATHIES

17:15-17:30 **Roberta Piovesana,** Alessandro Faroni, Marzia Soligo, Luigi Manni, Adam J Reid and Ada Maria Tata

MUSCARINIC RECEPTOR ACTIVATION MODULATES NEUROTROPHIC FACTORS PRODUCTION IN RAT SCHWANN-LIKE CELLS DERIVED FROM ADIPOSE MESENCHYMAL STEM CELLS

17:30-17:45 **Claudia Compagnucci,** Stefania Petrini, Marina Trivisano, Nicola Specchio, Enrico Bertini and Alessandra Terracciano

PCDH19 AND THE ESTABLISHMENT OF PLANAR CELL POLARITY IN IPS-DERIVED DEVELOPING NEURONS IN A X-LINKED MODEL OF EPILEPSY

17:45-18:00 **Alessia Niceforo**, Fiorella Colasuonno, Maurizio Muzzi, Rossella Borghi, Andrea Di Giulio, Enrico Silvio Bertini, Sandra Moreno and Claudia Compagnucci

USING INDUCED PLURIPOTENT STEM CELLS (iPSCs) TO STUDY A RARE HUMAN DEVELOPMENTAL DISEASE ASSOCIATED WITH RIBOFLAVIN DEFICENCY

18:05 Consiglio Direttivo GEI

Cena libera

21:00 Visita guidata Foro di Cesare o Foro di Augusto (facoltativa su prenotazione)

FACOLTATIVO

**Ore 18:00 – Visita guidata**

**Mostra al Palazzo delle Esposizioni “DNA – Il grande libro della vita da Mendel alla Genomica”**

A cura di: Bernardino Fantini, Telmo Pievani, Sergio Pimpinelli, Fabrizio Rufo

**Min. 15/Max 25 persone Costo speciale € 08.00 per persona**

Su prenotazione: si prega inviare conferma alla mail [info@gei2017.uniroma2.it](mailto:info@gei2017.uniroma2.it)

**■ Mercoledì 14 giugno – Museo Civico di Zoologia**

09:00-09:30 **Lecture**

Chair: **Ada Maria Tata, Massimiliano Andreazzoli**

**Prof. Paolo Peretto – Università di Torino**

ADULT NEUROGENESIS AND ITS ROLE IN THE CONTROL OF OPPOSITE SEX-ATTRACTION IN MALE MICE

Paolo Peretto, Schellino Roberta, Sara Trova, Alice Farinetti, Paolo Giacobini and Silvia De Marchis

**Morning Session 1: Developmental Neurobiology**

Chairs: **Ada Maria Tata, Massimiliano Andreazzoli**

09:30-09:45 **Chiara La Rosa**, Alessandra Pecora, Irmgard Amrein and Luca Bonfanti

NON-NEUROGENIC STRUCTURAL PLASTICITY REVEALED BY DOUBLECORTIN IN MAMMALS: IS THERE A TREND?

09:45-10:00 **Andrea Messina**, Maria Elena Castellini, Alessandra Speccher, Xuwen Zhang and Simona Casarosa

AUTOSOMAL RECESSIVE RETINITIS PIGMENTOSA: TARGETING IMPG2

10:00-10:15 **Andrea Colliva**, Stefano Donegà, Gabriele Baj and Enrico Tongiorgi

DEVELOPMENT OF MOUSE HIPPOCAMPAL NEURONS IN VITRO: A 6-STAGES MODEL TO STUDY DIFFERENTIATION DEFICITS AND RECOVERY IN RETT SYNDROME

10:15-10:30 **Silvia Messinetti,** Silvia Mercurio, Giorgio Linguanti, Fiorenza De Bernardi and Roberta Pennati

EFFECTS OF BISPHENOL A ON EARLY DEVELOPMENT OF TWO ASCIDIAN SPECIES

10:30-10:45 **Michela Ori**, Miriam De Sarlo, Sanja Aveic, Diana Corallo, Gian Paolo Tonini and Simona Candiani

FUNCTIONAL STUDY OF LIN28B PROTO-ONCOGENE DURING THE DEVELOPMENT OF NEURAL CREST CELLS IN XENOPUS AND ZEBRAFISH EMBRYOS

10:45-11:15 Coffee break

**Morning Session 2: Developmental Neurobiology**

Chair: **Annamaria Cimini, Francesco Cecconi**

11:15-11:30 **Marco Terrigno**, Claudia Alia, Irene Busti, Mara D'Onofrio, Matteo Caleo and Federico Cremisi

THE MOLECULAR IDENTITY OF MOUSE ES CELL-DERIVED NEURAL CELLS AFFECTS THEIR PROJECTION PATTERNS IN VIVO

11:30-11:45 **Jessica Rosati,** Filomena Altieri, Silvia Tardivo, Enza Maria Valente and Angelo Luigi Vescovi

HUMAN INDUCED PLURIPOTENT STEM CELLS (iPSCs) FROM JOUBERT SYNDROME AS A NOVEL IN VITRO MODEL TO ELUCIDATE CILIOPATHY-ASSOCIATED MOLECULAR MECHANISMS

11:45-12:00 **Chiara Gabellini,** Davide Martini, Cecilia Pucci, Caterina Di Lauro, William Norton, Alessio Zippo, Vania Broccoli, Alessandro Sessa and Massimiliano Andreazzoli

MODELING HUMAN INTELLECTUAL DISABILITY AND AUTISM: ROLE OF THE CHROMATIN REGULATOR SETD5 DURING ZEBRAFISH BRAIN DEVELOPMENT

12:00-12:15 **Monica Tizzano**, Maria Anna Di Bonito, Michèle Studer and Bice Avallone

RHOMBOMERE 4-DERIVED AUDITORY AND VESTIBULAR SYSTEMS IN HOXB1 MUTANTS

12:15-12:30 **Robert Vignali**

HMGA AND PATZ GENES IN XENOPUS NEURAL CREST DEVELOPMENT

12:30-13:30 Light lunch

**13:30-14:30 POSTER SESSION**

14:30-15:00 **Lecture**

Chair: **Mauro Piacentini, Marco Colasanti**

**Prof. Gerry Melino – Università di Roma Tor Vergata**

THE p53 FAMILY IN CANCER BIOLOGY

G. Melino, I. Amelio, F. Bernassola, T. W. Mak

**Afternoon Session 1: Cell death, stress, survival**

Chair: **Mauro Piacentini, Marco Colasanti**

15:00-15:15 **Mattia Toni,** Gianluca Miccoli, Carla Cioni, Elisa Angiulli, Enrico Alleva, Flavia Frabetti, Fabrizio Pizzetti, Fabiana Santagata, Francesca Grassi Scalvini and Gabriella Tedeschi

EFFECT OF THERMAL STRESS ON DANIO RERIO BEHAVIOUR: A PROTEOMIC STUDY TO UNDERSTAND THE MOLECULAR MECHANISM

15:15-15:30 **Federica Di Sano**, Anna Risuglia, Serafina Olivero, Roberta Nardacci and Mauro Piacentini

RTN-1C PARTICIPATES IN THE ER-DEPENDENT BIOGENESIS OF AUTOPHAGOSOMES

15:30-15:45 Bernadetta Anna Tenuzzo, Elisabetta Carata, Stefania Mariano, Elisa Panzarini and **Luciana Dini**

ENVIRONMENTAL SAFE HANDLING OF NANOTECHNOLOGY: INFLUENCE OF AgNPs SIZE, CONCENTRATION AND TIME

15:45-16:00 Laura Trobiani, Flores Lietta Favaloro, Maria Amalia Di Castro, Mariaconcetta Cariello, Miriam Di Mattia and **Antonella De Jaco**

ENDOPLASMIC RETICULUM STRESS IN AUTISM SPECTRUM DISORDERS: IN VITRO AND IN VIVO EVIDENCES

16:00-16:15 **Roberta Mastrantonio**, Manuela Cervelli, Stefano Pietropaoli, Veronica D'Ezio, Paolo Mariottini, Marco Colasanti and Tiziana Persichini

THE INDUCTION OF THE NRF2/ARE PATHWAY THROUGH SPERMINE OXIDASE ACTIVATION ELICITED BY THE NMDA RECEPTOR IN HUMAN NEURONAL CELLS

16:15-16:45 Coffee break

**Afternoon Session 2: Cell death, stress, survival**

Chair: **Luciana Dini, Tiziana Persichini**

16:45-17:00 **Francesca Cosmi**, Paola Fragapane, Irene Bozzoni and Maria Egle De Stefano

HIPPOCAMPAL NEURONS OF DYSTROPHIC MDX MICE HAVE REDUCED SENSITIVITY TO ACUTE CORTICOSTERONE TREATMENT IN VIVO COMPARED TO WILD TYPE

17:00-17:15 **Claudio Chimenti,** Chiara Giannelli, Elvira De Matthaeis and Domenico Davolos

A HISTOLOGICAL INVESTIGATION ON THE HEPATOPANCREAS OF GAMMARUS ELVIRAE (CRUSTACEA, AMPHIPODA) EXPOSED TO ARSENIC

17:15-17:30 **Palma Simoniello**, Raffaele Panzuto, Chiara Maria Motta and Rosaria Scudiero

RBBP6 AND CRYL1 GENES ARE UPREGULATED IN RESPONSE TO CADMIUM EXPOSURE IN ZEBRAFISH EMBRYOS AND ADULTS

17:30-17:45 Annamaria Fra, Francesca Cosmi, Adriana Ordoñez, Romina Berardelli, Juan Perez, Noemi A Guadagno, Luciano Corda, Stefan J Marciniak, David A Lomas and **Maria Elena Miranda Banos**

POLYMERS OF Z ALPHA-1 ANTITRYPSIN ARE SECRETED IN CELL MODELS OF DISEASE

17:45-18:00 **Michele d'Angelo**, Laura Brandolini, Elisabetta Benedetti, Pier Adelchi Ruffini, Roberto Russo, Loredana Cristiano, Andrea Antonosante, Antonio Giordano, Marcello Allegretti and Annamaria Cimini

CXCR1/2 PATHWAYS IN PACLITAXEL-INDUCED NEUROPATHIC PAIN

18:00-19:00 Assemblea dei Soci GEI

20:30 Cena sociale

**■ Giovedì 15 giugno – Museo Civico di Zoologia**

**Morning Session 1: Cell and animal models**

Chair**: Maria Carmela Roccheri, Mattia Toni**

09:00-09:15 **Maria Maisano**, Tiziana Cappello, Caroline Vignet, Kévin Lajoie, Qiuguo Fu, Giuseppe De Marco, Hélène Mottaz, Christelle Clérandeau, Juliane Hollender, Jérôme Cachot and Kristin Schirmer

A COMPARATIVE STUDY ON THE EFFECTS OF IMIDACLOPRID IN ZEBRAFISH AND JAPANESE MEDAKA

09:15-09:30 **Tiziana Cappello**, Alessia Giannetto, Sabrina Oliva, Vincenzo Parrino, Salvatore Fasulo, Angela Mauceri and Maria Maisano

EFFECTS OF CuO NPs ON EARLY LIFE STAGES OF BLACK SEA URCHIN ARBACIA LIXULA

09:30-09:45 **Giovanni Scillitani**, Giovanni Bernardini, Roberta Rossi and Maria Mastrodonato

EFFECTS OF NANOPARTICLE TREATMENTS ON THE DEVELOPMENT OF THE WATER FROG, PELOPHYLAX SINKL. ESCULENTUS

09:45-10:00 **Anita Colombo,** Patrizia Bonfanti, Melissa Saibene, Rosalba Gornati, Giovanni Bernardini, Umberto Fascio and Paride Mantecca

BIO-INTERACTIONS AND EFFECTS OF IRON NANOPARTICLES IN XENOPUS LAEVIS EMBRYOS: A MODEL TO STUDY THE EFFICACY AND SAFETY OF NANOINGREDIENTS FOR FOOD FORTIFICATION

10:00-10:15 Alice Accorsi**,** Eric Ross, Alejandro Sánchez Alvarado and **Davide Malagoli**

INVOLVEMENT OF A PROKINETICIN DOMAIN-CONTAINING PROTEIN IN THE IMMUNE RESPONSE OF THE EMERGING MODEL POMACEA CANALICULATA

10:15-10:30 **Teresa Capriello**, Antonio Monaco, Valentina Schiano, Maria Consiglio Grimaldi and Ida Ferrandino

CADMIUM EFFECTS AT A SUB-LETHAL CONCENTRATION IN EMBRYOS AND ADULTS OF DANIO RERIO

10:30-11:00 Coffee break

**Morning Session 2: Germ cells and Reproduction**

Chair: **Rosa Carotenuto, Rosaria Scudiero**

11:00-11:15 **Maurizio Zuccotti**, Thi Thu Hien Bui, Martina Belli, Lorenzo Fassina, Giulia Vigone, Federica Cavalera, Valeria Merico and Silvia Garagna

NEURAL NETWORK-BASED IDENTIFICATION OF DEVELOPMENTALLY COMPETENT MOUSE ANTRAL OOCYTES

11:15-11:30 **Liana Bosco,** Giovanni Ruvolo, Chiara Martino, Rosanna Chiappetta, Domenico Carone, Giosuè Lo Bosco, Laura Carrillo, Alberto Ferrigno and Maria Carmela Roccheri

HUMAN SPERM CELL AS EARLY BIOINDICATOR OF MALE HEALTH AND REPRODUCTION

11:30-11:45 **Liliana Milani** and Valeria Franceschini

ROLE OF INNER MEMBRANE POTENTIAL IN TARGETING MITOCHONDRIA TO PRIMORDIAL GERM CELLS

11:45-12:00 **Alessandra Santillo**, Sara Falvo, Maria Maddalena Di Fiore, Federica Di Giacomo Russo and Gabriella Chieffi Baccari

AMPA RECEPTOR AND EXCITATORY AMINO ACID-INDUCED MOLECULAR PATHWAYS IN SPERMATOGONIAL GC-1 CELLS

12:00-12:15 **Luigi Rosati,** Marisa Agnese, Maria Ilaria Verderame, Piero Andreuccetti and Marina Prisco

MYTILUS GALLOPROVINCIALIS: A SENTINEL SPECIES FOR THE ENVIRONMENTAL BIOMONITORING IN THE NAPLES BAY

12:15-12:30 **Marianna Santonastaso,** Filomena Mottola, Nicola Colacurci, Concetta Iovine, Severina Pacifico, Massimo Ferrara, Veronica Feola, Marcella Cammarota, Fulvio Cesaroni and Lucia Rocco

IN VITRO GENOTOXIC EFFECTS OF TITANIUM DIOXIDE NANOPARTICLES (TIO2 NPS) IN HUMAN SPERM CELLS

12:30 Saluti  
13:00 Chiusura lavori