



**61° Convegno Gruppo
Embriologico Italiano**

**36° Congresso della Società
Italiana di Istochimica**

Pisa 7-10 Giugno 2015

Domenica 7 giugno 2015

Scuola Normale Superiore di Pisa, Piazza dei Cavalieri 7

15.00 Registrazione

15.30 Saluti di benvenuto Prof. **Antonino Cattaneo**, Prof.ssa **Fiorenza De Bernardi**, Prof. **Carlo Pellicciari**

16.00 Lecture

Prof. Paola Bovolenta

Cellular, Molecular and Developmental Neurobiology Department at the "Instituto Cajal" Spanish Nacional Research Council

"MOLECULAR REGULATION OF VERTEBRATE EYE MORPHOGENESIS"

Opening session

Chair: *A. Cattaneo, I. Nardi*

17.00 **Luca Pandolfini**, Scuola Normale Superiore Pisa

"RISC-MEDIATED CONTROL OF SELECTED CHROMATIN REMODELERS FEATURES THE GROUND STATE PLURIPOTENCY OF MOUSE CELLS"

17.30 **Alessandro Cellerino**, Scuola Normale Superiore Pisa

"EMBRYONIC DEVELOPMENT OF THE ANNUAL FISH NOTHOBRANCHIUS FURZERI, THE SHORTEST-LIVED VERTEBRATE"

18.00 Aperitivo

Cena libera



Lunedì 8 giugno 2015

Scuola Superiore Sant'Anna, Piazza Martiri della Libertà', 33

09.00 Saluti di benvenuto Prof. **Mario Enrico Pe'** e Prof. **Roberto Lorenzi**

Morning session: Model systems for biomonitoring and epigenetic studies

Chair: *L. Dini, P. Andreuccetti*

09.20 **Chiara Martino**, Università di Palermo

"DEVELOPMENTAL DEFECTS INDUCED BY GADOLINIUM IONS IN SEA URCHIN EMBRYOS OF PHYLOGENETICALLY DISTANT SPECIES"

09.40 **Maria Battistoni**, Università di Milano

"STUDY OF THE MIXTURE EFFECTS OF FLUCONAZOLE AND ETHANOL BY USING CIONA INTESTINALIS AS A NEW ALTERNATIVE TERATOLOGICAL MODEL"

10.00 **Stefania Santangeli**, Università Politecnica delle Marche

"EXPOSURE TO ENVIRONMENTAL DOSES OF BPA AFFECTS EMBRYO DEVELOPMENT AND INHIBITS ZEBRAFISH REPRODUCTION THROUGH DEREGULATION OF EPIGENETIC PATTERN"

10.20 **Robert Vignali**, Università di Pisa

"HMGA AND PATZ GENES ARE INVOLVED IN XENOPUS NEURAL CREST DEVELOPMENT"

10.40 -11.00: coffee break

Chair: *O. Carnevali, R. Carotenuto*

11.00 **Silvia Marracci**, Università di Pisa

"AIMING TO UNDERSTAND THE MECHANISMS UNDERLYING THE DIFFERENT RESPONSES TO BERBERINE AMONG DIFFERENT CELL LINES"

11.20 **Luciana Dini**, Università del Salento

"6 MT STATIC MAGNETIC FIELD INDUCES U937 CELLS DIFFERENTIATION IN VITRO"

11,40-13,00 **Consiglio Direttivo GEI**

13,00 Pranzo



Afternoon session: Neural development

Chair: *S. Casarosa, A. Cellerino*

15.00 **Giuseppe Lupo**, Università di Roma

“THE EXTRA-CELLULAR PROTEIN TSUKUSHI REGULATES NOTCH AND RECEPTOR TYROSINE KINASE SIGNALING PATHWAYS IN MOUSE NEURAL PROGENITORS”

15.20 **Massimiliano Andreazzoli**, Università di Pisa

“HISTONE DEMETHYLATION BY JHDM1D REGULATES PHOTORECEPTOR GENERATION IN XENOPUS RETINA”

15.40 **Roberta Parolisi**, Università di Torino

“POSTNATAL NEUROGENESIS IN DOLPHINS”

16.00 **Silvia Mercurio**, Università di Milano

“ROLE OF MIR-7 IN NEURAL DEVELOPMENT OF THE ASCIDIAN CIONA INTESTINALIS”

16.20-16.40 coffee break

Neural development and neurodevelopmental disorders

Chair: *M. Andreazzoli, S. Candiani*

16.40 **Andrea Messina**, Università di Trento

“NOGGIN AND TGF β ORCHESTRATE FOREBRAIN REGIONALIZATION”

17.00 **Maria Elena Miranda**, Università di Roma

“A NEURONAL MODEL OF THE NEURODEGENERATIVE DEMENTIA FENIB”

17.20 **Antonella De Jaco**, Università di Roma

“LINKING ENDOPLASMIC RETICULUM STRESS TO NEURODEVELOPMENTAL DISORDERS”

17.40 **Valentina Naef**, Università di Pisa

“SEROTONIN 2B RECEPTOR SIGNALING IS REQUIRED FOR EYE MORPHOGENESIS IN XENOPUS

18.00 Assemblée dei Soci GEI

Cena libera



Martedì 9 giugno 2015

Scuola Superiore Sant'Anna, Piazza Martiri della Libertà', 33

Morning session: Stem cells, regeneration and cancer

Chair: *D. Angeloni, A. Tata*

09.00 **Eva Terzibasi-Tozzini**, Scuola Normale Superiore Pisa

"CIRCADIAN RHYTHMS DISRUPTION INDUCES AGING-LIKE CHANGES IN ADULT NEURONAL STEM CELLS OF NOTHOBRANCHIUS FURZERI"

09.20 **Simona Casarosa**, Università di Trento

"ALGINATE-BASED HYDROGELS FOR CENTRAL NERVOUS SYSTEM TISSUE REGENERATION"

09.40 **Federico Cremisi**, Scuola Normale Superiore Pisa

"PLURIPOTENT STEM CELLS AS A MODEL OF IN VITRO NEUROGENESIS"

10.00 **Gabriella Sconzo**, Università di Palermo

"SUPERMIGRATION CAPABILITY IN A SUB-POPULATION OF MOUSE MESOANGIOBLAST STEM CELLS SELECTED BY OXIDATIVE PRECONDITIONING"

10.20 **Stefano Testa**, Università di Roma Tor Vergata

"BUILDING AN ARTIFICIAL TENDON"

10.20-1040 Coffee break

Chair: *F. Cremisi, M. Ori*

11.00 **Claudia Fuoco**, Università di Roma Tor Vergata

"SINGLE CELL ANALYSIS OF POPULATION HETEROGENEITY IN RHABDOMYOSARCOMA"

11.20 **Cesare Gargioli**, Università di Roma Tor Vergata

"MUSCLE DERIVED PERICYTES FOR ARTIFICIAL SKELETAL MUSCLE HUMAN-LIKE SIZE"

11.40 **Debora Angeloni**, Scuola Superiore Sant'Anna Pisa

"SILENCING MICAL2 REPRESSES HUMAN CANCER CELL GROWTH AND INVASION INDUCING MESENCHYMAL TO EPITHELIAL TRANSITION"

12.00 **Ettore Luzi**, Università di Firenze

"ANALYSIS OF MICRORNAS IN MEN1 PARATHYROID ADENOMAS IDENTIFIED AN EMBRYONIC STEM CELL-LIKE EXPRESSION SIGNATURE ORGANIZED AS GENE REGULATORY NETWORKS"

12.20 **Margherita Tussellino**, Università di Napoli

"COMPARATIVE EVALUATION OF THE NANOPARTICLES ACTIVITY ON XENOPUS LAEVIS EMBRYOS"

13.00: Pranzo



Afternoon session: Neurobiology, dedicated to Prof. Aldo Fasolo

Chair: *G. Tocco, C. Pellicciari*

14.30 **Gabriella Tocco**, Università di Roma

Un ricordo del Prof. Aldo Fasolo

14.50 **Silvia De Marchis**, Università di Torino

“EXPRESSION AND FUNCTIONS OF THE TRANSCRIPTION FACTOR COUP-TFI IN NEUROGENIC REGIONS OF THE ADULT MOUSE BRAIN”

15.10 **Roberta Piovesana**, Università di Roma

“CHOLINERGIC CONTROL OF CELL GROWTH AND MIGRATION IN UNDIFFERENTIATED AND SCHWANN CELL-LIKE DIFFERENTIATED ADIPOSE-MESENCHYMAL STEM CELLS”

15.30 **Marta Pratelli**, Università di Pisa

“SEROTONIN DEPLETION AFFECTS DEVELOPMENT AND MAINTENANCE OF SEROTONERGIC NEURONAL CIRCUITS”

15.50 **Giovanni Di Pinto**, Università di Roma

“ANALYSIS OF THE EXPRESSION OF CHOLINERGIC MARKERS IN THE CENTRAL NERVOUS SYSTEM OF EAE MICE BY IN SITU HYBRIDIZATION AND ENZYMATIC HISTOCHEMISTRY”

16.10 -16.30 coffee break

Chair: *M. Pestarino, M. Pasqualetti*

16.30 **Simone Costa**, Università di Genova

“EVOLUTION OF VERTEBRATE GLYCINE TRANSPORTERS: INSIGHTS FROM AMPHIOXUS”

16.50 **Miriam Caffarini**, Università Politecnica delle Marche

“NEURONAL DIFFERENTIATION OF MESENCHYMAL STEM CELLS DERIVED FROM AMNIOTIC FLUID: A COMPARATIVE STUDY BETWEEN TWO DIFFERENT APPROACHES”

17.10 **Federica Coppa**, Università di Pavia

“PHOSPHORYLATED TAU IN PURKINJE NEURONS. NEUROARCHITECTURAL ALTERATIONS OF CEREBELLAR CORTEX IN PROLIDASE DEFICIENT MICE”

18.30 Ritrovo per visita guidata e cena sociale presso la Certosa di Calci



Mercoledì 10 giugno 2015

Scuola Superiore Sant'Anna, Piazza Martiri della Libertà', 33

Gametogenesis and Reproduction

Chair: *C. Cirotto, S. Marracci*

09.00 **Gabriella Chieffi Baccari**, Seconda Università degli Studi di Napoli, Caserta
"D-ASPARTATE PROMOTES THE PROLIFERATIVE PATHWAYS IN GC-1 SPG CELLS"

09.20 **Luigi Rosati**, Università di Napoli
"THE INVOLVEMENT OF VIP IN STEROID HORMONE SECRETION DURING PODARCIS SICULA SPERMATOGENESIS"

09.40 **Marina Prisco**, Università di Napoli
"TESTICULAR STEROIDOGENESIS IN OBESE RATS"

10.00 **Federica Riva**, Università di Pavia
"HUMAN SPERM CRYOPRESERVATION: COMPARATIVE STUDY OF DIFFERENT PROTOCOLS BY MEANS OF MICROSCOPY, CYTOMETRY AND MOLECULAR APPROACHES"

10.20-10.40 coffee break

10.40 **Valentina Lodde**, Università di Milano
"PROGESTERONE RECEPTOR MEMBRANE COMPONENT 1 (PGRMC1) ACTION DURING BOVINE OOCYTE MEIOSIS: A FUNCTIONAL STUDY"

11.00 **Liana Bosco**, Università di Palermo
"AN INNOVATIVE STRATEGY IN SELECTING OOCYTES WITH HIGH IMPLANTATION POTENTIALITY FOR INTRACYTOPLASMIC SPERM INJECTION PROCEDURE"

11.20- **Laura Terzaghi**, Università di Milano
"ASSESSMENT OF PROGESTERONE RECEPTOR MEMBRANE COMPONENT-1 ROLE IN BOVINE GRANULOSA CELLS MITOSIS"

11.40 **Raimondo Cerciello**, Università di Napoli
"EFFECTS OF POLYSACCHARIDE A PRODUCT BY BACTEROIDES FRAGILIS ON ENDOTHELIAL PROGENITOR CELLS"

12,00 **Prof.ssa Fiorenza De Bernardi et al.**
Chiusura dei lavori GEI e saluti degli Organizzatori