



62° Convegno G.E.I.  
(Gruppo Embriologico Italiano)  
Napoli 20 -23 Giugno 2016

con il Contributo di:

UNIVERSITÀ DEGLI STUDI DI  
NAPOLI FEDERICO II



e il Patrocinio di:



DIPARTIMENTO DI  
BIOLOGIA



COMUNE DI NAPOLI



REGIONE CAMPANIA

62° Convegno GEI  
Programma Ufficiale  
Lunedì 20 giugno 2016

		<i>Apertura dei Lavori</i>	
Lunedì 20 giugno	15,00		Registrazione dei partecipanti
	15,30	16,00	Saluti
	16,00	16,30	Ricordo del prof. Armando Sabbadin
	16,30	16,50	<i>F. Gasparini, Padova</i> The developmental biology of the colonial ascidian <i>Botryllus schlosseri</i> . From Armando Sabbadin's breakthrough studies to new scenarios for still unsolved questions.
	17,00		<i>D. Magnani (MRC Centre for Regenerative Medicine, Univ. of Edinburgh, UK)</i> Generation of oligodendrocytes from human induced pluripotent stem cells: from neurodevelopment to neurodegeneration.
	18,00	19,30	Associazione Musicale Flegrea, Napoli <i>Concerto Corale</i>
	20,30		<i>Pizza di Benvenuto</i> Palazzo Petrucci - Piazza S. Domenico maggiore



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Martedì 21 giugno 2016  
mattino

<i>I. Neuronal development: order and disorder</i> (Chairmen: Simona Casarosa - Bice Avallone)	
ogni giu 21 dir te Ma	9,10 - 9,30 <i>D. Rasino, Genova</i> Expression of lin-28 genes in amphioxus and zebrafish: evidence for an evolutionary conserved role in the brain development.
	9,30 - 9,50 <i>M. Andreazzoli, Pisa</i> Role of the chromatin regulator setd5 during zebrafish brain development.
	9,50 - 10,10 <i>S. Bettini, Bologna</i> Developmental pathway of the calretinin(+)-s100(+) subfraction of crypt cells population in the olfactory organ of <i>Poecilia reticulata</i> from birth to sexual maturity.
	10,10 - 10,30 <i>V. Maselli, Napoli Federico II</i> Pre-birth sense of smell in wild boar ( <i>Sus scrofa</i> ), the ontogeny of olfactory mucosa.
	10,30 - 10,50 <i>M. Tizzano, Napoli Federico II</i> Hoxb1 and Hoxb2 are involved in the determination of the rhombomere 4-derived vestibular system.
	10,50 - 11,10 <b>Coffee Break</b>

<i>I. Neuronal development: order and disorder (cont.)</i> (Chairmen: Fiorenza De Bernardi - Massimiliano Andreazzoli)	
11,10 - 11,30	<i>E. Benedetti, L'Aquila</i> Role for PPAR transcription factors in the energetic metabolic switch occurring during neurogenesis.
11,30 - 11,50	<i>A. Messina, Trento</i> Autosomal recessive retinitis pigmentosa: targeting IMPG2.
11,50 - 12,10	<i>Y. Bozzi, Trento</i> Interneuron defects during postnatal development of somatosensory cortex of engrailed 2 knockout mice, a model of autism.
12,10 - 12,30	<i>S. Casarosa, Trento</i> Impaired neuronal differentiation of en2 -/- neural stem cells.
12,30 - 12,50	<i>S. Monticelli, Pisa</i> Functional characterization of novel genes involved in brain aging and development.
13,00 14,30	<b>Colazione di Lavoro</b>



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pomeriggio

<i>I. Neuronal development: order and disorder (cont.)</i> (Chairmen: Adamaria Tata - Mario Pestarino)	
Martedì 21 giugno	14,30 - 14,50 <i>R. Pennati, Milano</i> Larval and adult nervous systems in <i>Rhabdopleura meronuda</i> .
	14,50 - 15,10 <i>R. Piovesana, Roma La Sapienza</i> Anti-proliferative and anti-migratory effects mediated by M2 muscarinic receptors in Schwann-like cells induced from adipose mesenchymal stem cells: implications in nerve regeneration.
	15,10 - 15,30 <i>I. Cristofaro, Roma La Sapienza</i> Cross talk between M2 receptor and Notch1/EGFR pathway in glioblastoma cancer stem cells: implication in cell proliferation.
	15,30 - 16,00 <i>M. Piscitelli, ENEA CR Casaccia, Roma</i> Legislation on animal experimentation: mediating between animal rights associations and the scientific community.
	16,00 - 16,20 <i>Coffee Break</i>

<i>II. Gametogenesis and Reproduction</i> (Chairmen: Marina Prisco - Riccardo Talevi)	
Martedì 21 giugno	16,20 - 16,50 <i>R. Gualtieri, Napoli Federico II</i> Female fertility preservation.
	16,50 - 17,10 <i>L. Bosco, Palermo</i> Relationship between DNA fragmentation index and PAKT in cumulus cells: new markers of oocyte competence.
	17,10 - 17,30 <i>M. Santonastaso, Napoli SUN</i> Negative impact on ovarian reserve due to intracellular oxidative stress in human granulosa cells.
	17,30 - 17,50 <i>C. De Canditiis, Napoli Federico II</i> Assessment of vitrification-induced structural damages in matured bovine oocytes by raman microspectroscopy.
	17,50 - 18,10 <i>T. Cerullo (Leica Microsystems Srl)</i> Combining confocal and light sheet fluorescence microscopy: Leica TCS SP8 DLS.
	18,30 <i>Riunione Consiglio Direttivo GEI</i>
<i>Cena libera</i>	



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Mercoledì 22 giugno 2016  
mattino

<i>II. Gametogenesis and Reproduction (cont.)</i> (Chairmen: Gabriella Chieffi - Maria Maisano)	
Mercoledì 22 giugno	9,20 - 9,40 <i>R. del Gaudio, Napoli Federico II</i> Insulin-like 3 (INSL3) expression in <i>Danio rerio</i> : molecular and bioinformatics studies to explore evolution of its function in vertebrates.
	9,40 - 10,00 <i>A. Santillo, Napoli SUN</i> Steroidogenic enzyme and sex hormone receptor gene expressions in the brain of the frog <i>Pelophylax esculentus</i> : seasonal changes and sex dimorphism.
	10,00 - 10,20 <i>M. Verderame, Napoli Federico II</i> New insights on the biosynthetic interference of estrogen-like compounds on <i>Podarcis sicula</i> male.
	10,20 - 10,40 <i>L. Rosati, Napoli Federico II</i> Role of P450 aromatase in <i>Podarcis sicula</i> testis.
	10,40 - 11,00 <i>M. Prisco, Napoli Federico II</i> PACAP/Receptors system in <i>Coturnix coturnix</i> testis.
	11,00 11,30 <b>Coffe break</b>

<i>II. Gametogenesis and Reproduction (cont.)</i> (Chairmen: Anna Maria Cimini - Roberto Gualtieri)	
Mercoledì 22 giugno	11,30 - 11,50 <i>V. Barbato, Napoli Federico II</i> Antioxidants protect sperm against damage and improve their ability to support embryo development.
	11,50 - 12,10 <i>M. Di Lorenzo, Napoli Federico II</i> Effects of dibutylphthalate on human prostate cells.
	12,10 - 12,30 <i>V. Migliaccio, Napoli Federico II</i> High fat diet contributes to testicular toxicity induced by DDE in rats.
	13,00 14,30 <b>Colazione di Lavoro</b>



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pomeriggio

<i>III: Model systems for morphogenetic studies</i> (Chairmen: Valeria Franceschini - Michela Ori)	
Mercoledì 22 giugno	14,30 - 14,50 <i>M. Miranda, L'Aquila</i> The cell death phenomenon during tuber ectomycorrhiza morphogenesis.
	14,50 - 15,10 <i>L. Manni, Padova</i> When a developmental biology model species changes name: the case of <i>Ciona intestinalis</i> .
	15,10 - 15,30 <i>F. Cima, Padova</i> First description of a histamine receptor of class 2 (HRH2) in a protochordate: expression during blastogenesis and role in regulation of ciliary beat frequency.
	15,30 - 15,50 <i>P. Simoniello, Napoli Parthenope</i> Teratogenic effects of thermal stress on lizard <i>Podarcis sicula</i> embryos.
	15,50 - 16,10 <i>M. Campione, Padova</i> ANKRD1 overexpression in the developing myocardium causes anomalous venous return and morphogenetic defects by impairing cardiac remodeling.
16,10 - 16,30	<b>Coffee Break</b>

<i>III: Model systems for morphogenetic studies</i> (Chairmen: Gabriella Tocco - Lucia Manni)	
Mercoledì 22 giugno	16,30 - 16,50 <i>C. Gargioli, Roma Tor Vergata</i> 3D Bio-printing and muscle derived pericytes for artificial skeletal muscle human-like size.
	16,50 - 17,10 <i>S. Testa, Roma Tor Vergata</i> Towards an artificial tendon tissue.
	17,10 - 17,30 <i>J. Wiedemann, Technische Universität Darmstadt</i> Changes in the morphology and differentiation of human skin after irradiation.
	17,30 <i>Assemblea dei Soci GEI</i>
20,30	<b>Cena Sociale</b> <i>Grand Hotel Parker's, Corso Vittorio Emanuele 135, Napoli</i>



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Giovedì 23 giugno 2016  
mattino

<i>IV. Developmental toxicity of nanoparticles</i> (Chairmen: Anita Colombo - Rosa Carotenuto)	
Giovedì 23 giugno	9,20 - 9,40 <i>M. Maisano, Messina</i> Exposure of sea urchin <i>Arbacia lixula</i> embryos to CuO NPs affects larval morphogenesis, neurotransmission and skeletogenesis.
	9,40 - 10,00 <i>F. Mottola, Napoli SUN</i> In vitro modulation of cadmium genotoxicity by TiO <sub>2</sub> nanoparticles in <i>Dicentrarchus labrax</i> embryonic cells (DLEC).
	10,00 - 10,20 <i>M. Saibene, Milano Bicocca</i> Developmental and cell toxicity of the positively-charged BPEI-coated silver nanoparticles.
	10,20 - 10,40 <i>G. Bernardini, Varese Insubria</i> Cobalt oxide nanoparticles can enter inside the cells by crossing plasma membranes.
	10,40 - 11,00 <b>Coffee Break</b>

<i>V. Developmental toxicity of metals and chemical substances</i> (Chairmen: Mariacarmela Roccheri - Giovanni Bernardini)	
Giovedì 23 giugno	11,00 - 11,20 <i>C. Martino, Palermo</i> Toxicity induced by gadolinium ions on developing sea urchin embryos.
	11,20 - 11,40 <i>A. Colombo, Milano Bicocca</i> A glyphosate micro-emulsion formulation widely used worldwide displays teratogenicity in <i>Xenopus laevis</i> .
	11,40 - 12,00 <i>C.M. Motta, Napoli Federico II</i> Potential toxicity of improperly discarded exhausted photovoltaic cells.
	12,00 - 12,20 <i>A. Monaco, Napoli Federico II</i> Adverse effects of cadmium and aluminum on zebrafish development.
	12,20 - 12,40 <i>A. Capaldo, Napoli Federico II</i> Environmental cocaine concentration effects on <i>Danio rerio</i> development.
	12,40 - 13,00 <i>M.M. Pallotta, Napoli Federico II</i> Neurotoxic effects of chlorpyrifos exposure on neonatal mice.
13,00 <b>Chiusura dei Lavori</b>	