

Programma 70° Convegno GEI-SIBSC

Martedì 10 Giugno

13:00		Opening welcome desk
15:30-16:00		Wellcome adress
16:00-17:00	Lecture Tosi G.	To target and to protect: nanomedicine in precise delivery to specific targets
17:00-19:45		<i>Cocktail di benvenuto</i>

Mercoledì 11 Giugno

09:00-10:00	Lecture Raia P.	The phylogenetic dimension of human evolution
Aula Magna (T0.1)	MolCell I	Molecular and subcellular cell functions I
Chairs	Manfrini N. - Romano N.	
10:00-10:15	Piccinini G.	DOUBLY UNIPARENTAL INHERITANCE OF MITOCHONDRIA IN BIVALVES AS A MODEL TO INVESTIGATE THE DYNAMICS OF MITOCHONDRIAL SEGREGATION DURING ANIMAL EMBRYO DEVELOPMENT
10:15-10:30	Campello S.	MITOCHONDRIAL DYNAMICS IN T CELL PHYSIOLOGY
10:30-10:45	Amaroli A.	MODULATION OF MITOCHONDRIAL METABOLISM UNDERLIES VISIBLE/NIR LIGHT-INDUCED RESCUE OF GLUTAMATE EFFLUX IN ROTENONE-DAMAGED SYNAPTOSOMES
10:45-11:00	Pensabene D.	BET PROTEINS MODULATE REDOX METABOLISM AND MITOCHONDRIAL HOMEOSTASIS: IMPLICATIONS FOR NIEMANN-PICK TYPE C DISEASE
11:00-11:15	Nazio F.	EXPLOITING CALCOCO2-DRIVEN MITOCHONDRIA-NUCLEUS INTERPLAY TO OVERCOME MEDULLOBLASTOMA THERAPY RESISTANCE
11:15-11:45		<i>Coffee break</i>
Aula Magna (T0.1)	MolCell II	Molecular and subcellular cell functions II
Chairs	Nazio F. - Tongiorgi E.	

11:45-12:00	Karimova M.	IS MORPHOLOGICAL HETEROGENEITY OF EXTRACELLULAR VESICLES FROM TEMOZOLOMIDE-TREATED GLIOBLASTOMA MULTIFORME CELLS DRIVEN BY LIPIDS?
12:00-12:15	Manfrini N.	FAM46C IS REQUIRED FOR PROPER DIFFERENTIATION AND FUNCTIONALITY OF CD4+ ITREG CELLS
12:15-12:30	Tesoriere A.	GUT INFLAMMATION IN TRICHOHEPATOENTERIC SYNDROME: THE ROLE OF TTC37 AND ITS INTERPLAY WITH STAT3.
12:30-12:45	Kacem H.	CXCR1/2 INHIBITION MODULATES INSULIN RESISTANCE IN ADIPOCYTE AND HEPATOCYTE MODELS

12:45-13:45 *Pausa pranzo*

13:45-14:30 *Poster session*

14:30-14:45	Romano N.	EXTRACELLULAR MATRIX AS A PROMISING TOOL TO REGENERATE THE HEART
14:45-15:00	Lombardozzi G.	ORGANOID TECHNOLOGY: A NEW WAY TO MODEL ISCHEMIC STROKE

Aula Magna (T0.1)	EnvCh I	Environmental-driven changes: from cell to organism I
Chairs	Maisano M. - Simoniello P.	

15:00-15:15	Mentino D.	EFFECTS OF DIFFERENT DIETARY PATTERNS ON BONE HEALTH: MOUSE MODELS
15:15-15:30	Fidaleo M.	LESS IS MORE: PHYSIOLOGICAL DOSES OF VITAMIN B12 DRIVE IMPROVED RECOVERY COMPARED TO HIGH DOSE IN A H2O2-STRESSED NEURAL-LIKE SH-SY5Y CELL MODEL
15:30-15:45	Migliaccio V.	EXPOSURE TO HIGH FAT DIET AND DICHLOROBIPHENYLETHYLENE ALTER LIVER PARENCHYMA AND INTRACELLULAR ORGANELLE'S STRUCTURE AND FUNCTION IN MALE WISTAR RAT MODEL.
15:45-16:00	Rosa G.	VALIDATION OF CONDITION INDICES TO ASSESS HEALTH OF FARMED GILT HEAD SEABREAM

16:00-16:30 *Tea break*

Aula Magna (T0.1)	CCB	Comparative cell biology
Chairs	Luparello C. - Dalla Valle L.	

16:30-16:45	Semeraro D.	HISTOLOGICAL AND HISTOCHEMICAL BIOMARKERS IN PIPEFISH SYNGNATHUS ABASTER FROM DIFFERENT AREAS OF THE IONIAN SEA
16:45-17:00	Ferri A.	HEMOCYTE PROLIFERATION IN POMACEA CANALICULATA TISSUES: INSIGHTS FROM HEMOLYMPH COLLECTION AND TENTACLE REGENERATION
17:00-17:15	Tacconi S.	EMERGING ROLE OF EXTRACELLULAR LIPID DROPLETS IN CELL-TO-CELL COMMUNICATION
17:15-17:30	Pagiatakis C.	EXPLORING EPIGENETIC REGULATION IN THE AGING PROCESS: INSIGHTS AND IMPLICATIONS
17:30-17:45	Sacchi S.	IMMUNE-NEUROENDOCRINE CROSSTALK IN POMACEA CANALICULATA: INSIGHTS FROM THE EXPRESSION OF ALLOGRAFT INFLAMMATORY FACTOR-1 (PC-AIF1)
Aula convegni (T1.1) Chairs	EvolBiol Colasanti M. - Milani L.	New approaches in vertebrate evolutionary biology
10:00-10.15	Damonte E.	GEOMETRIC MORPHOMETRIC ANALYSIS OF MULLIDAE SCALE OUTLINES: A STUDY OF INDIVIDUAL AND SPECIES-SPECIFIC SHAPE VARIABILITY
10:15-10:30	Sansalone G.	THE COOL SHAPE: HOW MODERN HUMANS PACKED 90 BILLION NEURONS IN THEIR BRAIN
10:30-10:45	Spani F.	PRELIMINARY ANALYSIS OF BACULUM DEVELOPMENT IN THE HATINH LANGUR (TRACHYPITHECUS HATINHENSIS)
10:45-11:00	Iannello M.	AVIAN LIFESPAN NETWORK REVEALS SHARED MECHANISMS AND NEW KEY PLAYERS IN ANIMAL LONGEVITY
11:00-11:15	Martini M.	CROSS-TAXONOMIC INSIGHTS INTO LIFESPAN EVOLUTION: UNCOVERING GENETIC DETERMINANTS IN MAMMALS AND BIRDS
11:15-11:45		<i>Coffee break</i>
Aula convegni (T1.1) Chairs	DevRep I Vettori A. - Sacchi S.	Development and reproduction I
11:45-12:00	Crapanzano E. L.	ROLE OF REELIN AND CAJAL-RETZIUS CELLS IN DEVELOPMENT OF THE CEREBRAL CORTEX
12:00-12:15	Bozzo M.	AXIAL ELONGATION FROM TAIL BUD CELLS IN AMPHIOXUS EMBRYOS
12:15-12:30	Piersanti A.	NANOPARTICLE-BASED CARRIERS TESTED IN EMBRYO MODELS

12:30-12:45	Bragato C.	TRANSGENIC ZEBRAFISH EMBRYOS FOR IN VIVO EVALUATION OF NANOCARRIER-DELIVERED PACLITAXEL
12:45-13:45		<i>Pausa pranzo</i>
13:45-14:30		<i>Poster session</i>
Aula convegni (T1.1)	DevRep II	Development and reproduction II
Chairs	Zuccotti M. - Cancemi P.	
14:30-14:45	Lombò M.	COMPARATIVE ANALYSIS OF CANNABINOID RECEPTOR 1 LOCALIZATION IN SPERMATOOZOA: FROM INVERTEBRATES TO MAMMALS
14:45-15:00	Chemello G.	HISTOLOGICAL CHARACTERIZATION OF OVARIAN DEVELOPMENT IN BLUE CRAB (CALLINECTES SAPIDUS) DURING SPAWNING SEASON IN THE NORTH-CENTRAL ADRIATIC SEA
15:00-15:15	Terrin F.	DISSECTING THE ROLE OF 11-KETOTESTOSTERONE AND CORTISOL IN MALE REPRODUCTION: INSIGHTS FROM HSD11B2 AND CYP11C1 ZEBRAFISH MUTANT LINES
15:15-15:30	Chianese T.	THE INTAKE OF MILK FROM DIFFERENT ANIMALS IMPACTS THE SPERMATOGENESIS PROCESS IN RATS
15:30-15:45	Venditti M.	CRACKED TRACKS: UNRAVELING MICROTUBULE DYNAMICS IN TESTICULAR AND SPERM IMPAIRMENT IN A RAT MODEL OF TYPE 1 DIABETES
15:45-16:00	Lai R.	PHOTOBIO-MODULATION WITH VISIBLE/NIR LIGHT IMPROVES ASTHENOZOOSPERMIC SPERM METABOLISM VIA MITOCHONDRIA-NOS INTERPLAY OR MILD-THERMAL-MEDIATED EFFECTS
16:00-16:30		<i>Tea break</i>
Aula convegni (T1.1)	DevRep III	Development and reproduction III
Chairs	Candiani S. - Moreno S.	
16:30-16:45	Scaruffi P.	THE POWER OF NEAR-INFRARED PHOTOBIO-MODULATION THERAPY ON RESCUE IN VITRO MATURATION OF HUMAN OOCYTES
16:45-17:00	Brazzale G.	HUMAN CUMULUS CELLS RELEASE EXTRACELLULAR VESICLES CONTAINING MIRNAS WITH A ROLE IN THE ACQUISITION OF OOCYTE DEVELOPMENTAL COMPETENCE

17:00-17:15	Camerano C.	SMYD3 CONTROLS MEIOTIC PROGRESSION AND OOCYTE COMPETENCE THROUGH SOMATIC–GERMINAL INTERPLAY IN THE OVINE FOLLICLE
17:15-17:30	Cancemi P.	FROM WASTE TO WONDER: IN VITRO EFFECT OF FOLLICULAR FLUID IN ENHANCING ENDOMETRIAL RECEPTIVITY
17:30-17:45	Fantinato A.	AN ARTIFICIAL INTELLIGENCE TOOL FOR PREDICTING BLASTULATION BASED ON THE OBSERVATION OF CYTOPLASMIC MOVEMENTS IN EARLY HUMAN EMBRYOS
17:45-18:45	<i>Collegio PO</i>	

Giovedì 12 Giugno

09:00-10:00	Lecture Gerdol M.	The role of molecular innovations and extreme inter-individual genetic diversity in driving adaptation in model organisms
Aula Magna (T0.1) Chairs	MCTR I Gornati R. - Cappello T.	Molecular, cellular and tissue responses to xenobiotics and micro/nanomaterials I
10:00-10:15	Marchetti S.	A LUNG CO-CULTURE MODEL TO EXPLORE THE INFLAMMATORY EFFECTS DETERMINED BY COMBINED EXPOSURE TO PM2.5, SARS-COV-2 AND NANO-ANTIVIRAL AGENTS
10:15-10:30	Bengalli R.	IN VITRO NEW APPROACH METHODOLOGIES (NAMS) FOR THE HAZARD ASSESSMENT OF NANOMATERIALS
10:30-10:45	Menegola E.	DEVELOPMENTAL TOXICITY OF CUSO4 ALONE AND IN MIXTURE WITH ZNSO4, ON XENOPUS LAEVIS EMBRYOS (R-FETAX): PRELIMINARY RESULTS.
10:45-11:00	La Pietra A.	INTERACTION BETWEEN MICROPLASTICS AND BISPHENOL A DURING EARLY STAGES OF ZEBRAFISH DEVELOPMENT
11:00-11:15	Scalisi E. M.	TIO2 NANOPARTICLES DEREULATE SHBG GENE EXPRESSION PATTERN IN ADULT MALE OF DANIO RERIO
11:15-11:45	<i>Coffee break</i>	
Aula Magna (T0.1) Chairs	MCTR II Scillitani G. - Persichini T.	Molecular, cellular and tissue responses to xenobiotics and micro/nanomaterials II
11:45-12:00	Galati M.	RARE-EARTH ELEMENTS (REE): A POTENTIAL HAZARD TO NON-TARGET ORGANISMS?

12:00-12:15	Bertini F.	FUNCTIONAL RESPONSES OF <i>Mytilus galloprovincialis</i> (Lamarck, 1919) AFTER SIMULATION OF DIESEL-OIL SPILL EXPOSURE
12:15-12:30	De Marco G.	HISTOLOGICAL AND CELLULAR RESPONSES OF TWO AQUATIC SPECIES EXPOSED TO GADOLINIUM
12:30-12:45	Giommi C.	UNVEALING THE BPA-INDUCED EPITHELIAL BARRIER DISFUNCTION AND PROBIOTIC-DRIVEN EPITHELIAL RESTORATION IN HUMAN GUT ORGANIDS

12:45-13:45 *Pausa pranzo*

13:45-14:30 *Poster session*

Aula Magna (T0.1)	MCTR III	Molecular, cellular and tissue responses to xenobiotics and micro/nanomaterials III
Chairs	Menegola E. - Carnevali O.	

14:30-14:45	Mileo A.	BISPHENOL A AND PROSTATE DISFUNCTION: A HIDDEN HAZARD TO HUMAN HEALTH
14:45-15:00	Falvo S.	GADOLINIUM IMPAIRS MALE STEROIDOGENESIS: IN VIVO AND IN VITRO EVIDENCE
15:00-15:15	Riccio L.	“HISTOLOGICAL, MOLECULAR AND CHEMICAL EVALUATIONS OF DOG TESTICLES FROM HIGHLY POLLUTED AREAS IN CAMPANIA REGION”
15:15-15:30	Romano R.	COMPARATIVE CYTOTOXIC EFFECTS OF MICRO AND NANOPLASTICS ON THE REPRODUCTIVE PROCESS OF MYTILUS GALLOPROVINCIALIS
15:30-15:45	Grillo G.	D-ASPARTATE COUNTERACTS THE TESTICULAR DAMAGE INDUCED BY POLYSTYRENE MICROPLASTICS
15:45-16:00	Barone L.	HEALTH RISKS OF POLYSTYRENE MICRO- AND NANOPLASTICS: AN IN VITRO STUDY ON HUMAN MESENCHYMAL STEM CELLS

16:00-16:30 *Tea break*

Aula convegni (T1.1)	Neuro I	Neurodevelopment, neurobiology and neurology I
Chairs	Carotenuto R. - Peretto P.	

10:00-10.15	Cacialli P.	INHIBITION OF FOS1LA ATTENUATES ASTROGLIOSIS AND NEURONAL CELL DEATH IN THE EMBRYONIC BRAIN OF A NEW TAY-SACHS DISEASE ZEBRAFISH MODEL
10:15-10:30	Colardo M.	MODULATION OF BROMODOMAIN AND EXTRA-TERMINAL DOMAIN (BET) PROTEINS DRIVES NEURONAL DIFFERENTIATION: INVOLVEMENT OF CHOLESTEROL METABOLISM AND AUTOPHAGY

10:30-10:45	Tata A. M.	SNAP25 CLEAVAGE BY BOTULINUM NEUROTOXIN-A REPROGRAMS SCHWANN CELLS INTO A PRO-REGENERATIVE PHENOTYPE
10:45-11:00	Remondino F.	UNCOVERING NOVEL DEVELOPMENTAL ROLES FOR TCF4 IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEM TO ELUCIDATE UNDERSTUDIED ASPECTS OF PITT-HOPKINS SYNDROME
11:00-11:15	Biscotti M. A.	EMBRYOGENESIS IN XENOPUS LAEVIS: TRANSPOSABLE ELEMENT IMPACT ACROSS TWO SUBGENOMES
11:15-11:45		<i>Coffee break</i>
Aula convegni (T1.1) Chairs	Neuro II De Falco M. - Ori M.	Neurodevelopment, neurobiology and neurology II
11:45-12:00	De Jaco A.	POTENTIAL STRATEGIES FOR RESCUING CELLULAR AND BEHAVIORAL ENDOPHENOTYPES ASSOCIATED WITH THE AUTISM-LINKED R451C MUTATION IN NEUROLIGIN3
12:00-12:15	Serafini F.	THE GUT-BRAIN AXIS AS A THERAPEUTIC TARGET IN NEUROLIGIN3 R451C KNOCK-IN MOUSE MODEL OF AUTISM: ROLE OF LACTIPLANTIBACILLUS (LPB.) PLANTARUM
12:15-12:30	Carata E.	INTERORGAN CROSSTALK IN AMYOTROPHIC LATERAL SCLEROSIS: HOW mSOD1 NSC-34 MOTOR NEURON-LIKE CELLS' MICROENVIRONMENT MODULATES IMMUNE RESPONSE, MUSCLE DIFFERENTIATION, AND INTESTINAL INFLAMMATION
12:30-12:45	Geraci F.	DISCOVERY OF POTENTIAL BIOMARKERS IN MULTIPLE SCLEROSIS VIA CEREBROSPINAL FLUID PROTEOMIC PROFILING.
12:45-13:45		<i>Pausa pranzo</i>
13:45-14:30		<i>Poster session</i>
Aula convegni (T1.1) Chairs	Neuro III Tata A.M. - Geraci F.	Neurodevelopment, neurobiology and neurology III
14:30-14:45	Lallo A.	THYROID RESPONSE TO PERIPHERAL ENDOCRINE FACTORS: NEUROPEPTIDE Y INTERSECTS THYROID FUNCTION VIA HYPOTHALAMIC-PITUITARY-THYROID AXIS IN THE REPTILE PODARCIS SICULUS

14:45-15:00	Anselmi C.	A TUNICATE MODEL OF BRAIN TURNOVER: STEMNESS AND DISEASE-LINKED GENES IN BOTRYLLUS SCHLOSSERI
15:00-15:15	Zucca S.	MULTISENSORY INTEGRATION OF SOCIAL CUES IN THE VENTROMEDIAL PREFRONTAL CORTEX
15:15-15:30	Nazzi S.	MICROGLIA AND FLUOXETINE: NEW MECHANISMS OF PLASTICITY AND REORGANIZATION OF SEROTONERGIC SYSTEM.
15:30-15:45	Franchi N.	SYNAPSE OR SURVIVE? COMPLEMENT REGULATORS IN THE GASTROPOD GANGLION TRANSCRIPTOME REVEAL CONSERVED MECHANISMS OF NEURAL PRUNING.
15:45-16:00	Fogliano C	INVESTIGATING THE MORPHOLOGY AND ULTRASTRUCTURE OF IMPG2-RELATED RETINAL DEGENERATION USING ZEBRAFISH KNOCK-OUT MODEL
16:00-16:30		<i>Tea break</i>
Aula convegni (T1.1) Chairs	EnvCh II Canapa A. - Franchi N.	Environmental-driven changes: from cell to organism II
16:30-16:45	Toni M.	NEUROTOXIC EFFECTS OF THERMAL VARIATION ON THE NERVOUS SYSTEM AND EYE OF ADULT ZEBRAFISH
16:45-17:00	Tittarelli E.	THERMAL STRESS TRIGGERS TRANSPOSABLE ELEMENTS EXPRESSION IN THE ANTARCTIC FISH TREMATOMUS BERNACCHII
17:00-17:15	Blumer G.	EFFECTS OF NOISE EXPOSURE ON A SESSILE INVERTEBRATE, THE ASCIDIAN CLAVELINA LEPADIFORMIS
17:15-17:30	Manni L.	HEARING UNDERWATER: THE IMPACT OF NOISE ON THE MECHANORECEPTION OF THE COLONIAL ASCIDIAN BOTRYLLUS SCHOSSEI
17:30-17:45	Serafini E.	THE IMPACT OF MARINE NOISE POLLUTION ON CEPHALOCHORDATES
17:45-18:45		<i>Riunione soci</i>
20:00-22:45		<i>Cena sociale</i>

Venerdì 13 Giugno

10:00-12:30 *Gita sociale*