



MERCOLEDÌ 23 SETTEMBRE

Complesso Museale Santa Maria della Scala

15.00-17.00 **SIMPOSIO PRE-CONGRESSO - Palazzo Squarcialupi**

Hypnotizability as a component of physiological variability

Chairs: G. Carli (Università di Siena), C.A. Marzi (Università di Verona)

S01 ***“Does the autonomic system contribute to pain-related endothelial dysfunction?”***

G. Paoletti (Università di Siena)

S02 ***“Going ahead: sensorimotor integration and veering detection”***

M. Menzocchi (Università di Siena)

S03 ***“Visual identification of haptically explored objects”***

E. Castellani (Università di Siena)

S04 ***“Modulation of vestibular reflexes by imagery”***

E. Scattina (Università di Pisa)

17.00-20.00 **APERTURA DEL 60° CONGRESSO SIF - Sala S. Pio**

Saluto di benvenuto

Commemorazione del Prof. Fabio Ruzzier

Fabio Benfenati – Presidente SIF

Lettura inaugurale

Chair: Velio Bocci

“Physiology of life and death: a lesson from the human placenta”

Prof. Isabella Caniggia

(University of Toronto, Toronto - Canada)

20.00 *Cocktail nelle sale del S. Maria della Scala*

GIOVEDÌ 24 SETTEMBRE

Centro Didattico Policlinico Le Scotte

8.30 - 17.00 **Registrazione partecipanti**

9.00 - 10.30 **SIMPOSIO I - Aula Magna**

The adaptive response to hypoxia

Chair: G. Miserochi (Università di Milano-Bicocca)

S05 **“Mitochondrial respiration in hypoxia”**

D. Bishop (Università di Verona)

S06 **“Cardiomyocytes in chronic hypoxia”**

A. Zaza (Università di Milano-Bicocca)

S07 **“Lung adaptation to hypoxia: fluid dynamics and molecular aspects”**

G. Miserochi (Università di Milano-Bicocca)

S08 **“Chronic hypoxia as a model of aging”**

C. Di Giulio (Università di Chieti)

10.30 - 11.00 *Coffee break*

11.00 - 13.00 **COMUNICAZIONI ORALI**

Aula Magna

NEUROBIOLOGY AND NEUROPHYSIOLOGY

Chairs: F. Benfenati, P. Bagnoli

- OC01 **“An old protein in unexpected places: alpha- and beta-globin expression in mesencephalic dopaminergic neurons and glial cells”**
Biagioli M, Pinto M, Cesselli D, Zaninello M, Lazarevic D, Roncaglia P, Simone R, Vlachouli C, Plessy C, Bertin N, Beltrami A, Kobayashi K, Gallo V, Santoro C, Ferrer I, Rivella S, Beltrami Ca, Carninci P, Raviola E, Gustincich S
- OC02 **“Functional characterization of neuronal nicotinic receptors in sympathetic neurons of wild type and dystrophic mdx mice”**
Di Angelantonio S, Piccioni A, Lombardi L, De Stefano ME, Paggi P
- OC03 **“FGF-2 and neurite outgrowth in cultured chick ciliary ganglion neurons: somatic versus neuritic signaling pathways”**
Zamburlin P, Farcito S, Gilardino A, Lovisolo D
- OC04 **“Metabotropic glutamate (mGLU2/3) receptor agonist LY379268 stimulates the production of glial cell line-derived neurotrophic factor (GDNF) in the mouse striatum: in vivo analysis of GDNF Receptor (c-RET) related signal transduction pathways activation”**
Di Liberto V, Frinchi M, Mudò G, Belluardo N
- OC05 **“Effects of CX3CL1-CX3CR1 signaling on the functional properties of microglial cells in hippocampal acute slices from developing mice”**
Ragozzino D, Pagani F, Paolicelli R, Ferreira T, Gross C, Eusebi F, Limatola C
- OC06 **“Pharmacological and synaptic activation of mGluR5 induce spike afterdepolarization and increase the spike discharge of medium spiny neurons in the nucleus**

accumbens via upregulation of persistent Na⁺ currents"

D'Ascenzo M, Podda MV, Fellin T, Azzena GB, Haydon P, Grassi C

OC07 **"Heterogeneity of the infant stage of rat development: inflammatory pain response, depression-related behavior, effects of prenatal stress"**

Butkevich I, Mikhailenko V, Vershinina E, Semionov P, Otellin V, Fiorenzani P, Aloisi AM

OC08 **"Cortical representation of taste in the primary gustatory area of man: an fMRI mapping study"**

Fiori F, Polonara G, Mascioli G, Salvolini U, Manzoni T, Fabri M

Aula 6

APPLIED PHYSIOLOGY

Chairs: S. Sapienza, A. Veicsteinas

OC09 **"Total, alactic and lactic O₂ deficit during supramaximal cycling exercise in humans"**

Adami A, Capelli C

OC10 **"The soy isoflavone genistein restores the metabolic balance of bone formation and resorption in postmenopausal women"**

Adamo EB, Marini R, Squadrito F, Minutoli L, Bitto A, Polito F, D'Anna R, Marini H

OC11 **"Blood lactate levels and Blink Reflex excitability"**

Coco M, Alagona G, Rapisarda G, Perciavalle Va, Costanzo E, Perciavalle V

OC12 **"Hemodynamic effect of acute vasodilatation during postexercise-induced metaboreflex activation"**

Milia R, Lobina A, Tocco F, Melis F, Concu A, Crisafulli A

OC13 **"Cooperation of two fixation chains in stabilising the trunk during horizontal arm movements"**

Esposti R, Beacco F, Baldissera F

OC14 **“Changes in blood oxygen stores affect alveolar oxygen uptake kinetics at the start of exercise”**

Francescato MP, Cettolo V, Di Prampero PE

OC15 **“3,5-diiodo-L-thyronine protects against high fat diet induced insulin resistance and glucose intolerance in rats”**

Moreno M, De Matteis R, Silvestri E, Lionetti L, Mollica M, De Lange P, Lombardi A, Glinni D, Lanni A, Goglia F

OC16 **“Acute passive stretching in a previously-fatigued muscle: electrical and mechanical response during tetanic stimulation”**

Esposito F, Cè E, Rampichini S, Veicsteinas A

13.00 - 15.00 *Lunch*

13.00 - 15.00 **Sessione poster**

P1 **Whole-cell currents from neuronal nicotinic receptors in non small cell lung cancer cells**

AMBROSI P, BECCHETTI A

P2 **Different myocardial and coronary actions of two red wine flavonoids: Quercetin and Myricetin**

ANGELONE T, DI MAJO D, PASQUA T, QUINTIERI AM, FILICE E, VITELLI R, AMODIO N, GIAMMANCO M, CERRA MC

P3 **Increase in matrix metalloproteinase-9 expression and activity in the striatum and substantia nigra of a mouse model of parkinsonism**

ANNESE V, BARCIA C, DI PENTIMA M, GOMEZ A, PAGGI P, HERRERO MT, DE STEFANO ME

P4 **Dopamine oxidation products as mitochondrial endotoxins, a potential molecular mechanism for**

selective neurodegeneration in Parkinson Disease

ARDUINI I, SORIANO ME, BISAGLIA M, BERNARDI P, BUBACCO L

- P5 **Modifications of vestibular reactivity and postural stability after 21-day period at high altitude**
BAFFA C, DE STEFANO A, CASTRIOTTA A, FILOGRANA PIGNATELLI G, MARIGGIO' MA, NERI G
- P6 **Molecular evolution of Cu,Zn superoxide dismutase in Antarctic icefish: *Pagetopsis macropterus***
BAKIU R, SATTIN G, BOLDRIN F, SANTOVITO G
- P7 **Changes in muscle oxygen extraction (NIRS) during exercise in chronic heart failure patients after a period of resistance training**
BARALDO A, CEVESE A, SCHENA F, TARPERI C
- P8 **Characterization of pluripotent stem cells derived from adult mouse testes**
BARBUTI A, SCAVONE A, MAZZOCCHI N, DEL GIUDICE A, BARUSCOTTI M, DIFRANCESCO D
- P9 **Ventricular activation is impaired in aged rat hearts**
BARUFFI S, ROSSI S, BERTUZZI A, MIRAGOLI M, CORRADI D, MUSSO E, SGOIFO A, MACCHI E
- P10 **Absence of AQP4 in skeletal muscle determines structural and enzymatic changes in fast-twitch fibres**
BASCO D, MASTROTOTARO M, NICCHIA GP, SVELTO M, FRIGERI A
- P11 **Short-term arm immobilization modulates cortical excitability and transcallosal inhibition**
BASSOLINO M, AVANZINO L, POZZO T, BOVE M
- P12 **REM sleep entails arterial hypertension in hypocretin-ataxin3 narcoleptic mice**
BASTIANINI S, BERTEOTTI C, ELGHOZI JL, LENZI P, LO MARTIRE V, FRANZINI C, SILVANI A, MIGNOT E, ZOCCOLI

G

- P13 **Interaction with ICln: a new possible function for 4.1R in cell volume regulation**
BAZZINI C, RODIGHIERO S, GARAVAGLIA ML, ZANONI C, ROSSETTI V, BOTTÀ G, PAULMICHL M, MEYER G
- P14 **Effect of the endocrine disruptor Bisphenol A in *in vitro* models of human placenta**
BECHI N, SORDA G, ROMAGNOLI R, IETTA F, FROSINI M, PAULESU L
- P15 **In frog skin, the increase of sodium absorption caused by pesticides is related to their lipid solubility**
BELLANTUONO V, LIPPE C
- P16 **Expression of selenium glutathione peroxidase in the antarctic teleost *Trematomus eulepidotus* exposed experimental changes in environmental heavy metal concentrations**
BENETOLLO L, SATTIN G, BOLDRIN F, SANTOVITO G
- P17 **Desensitization of GABAA receptors expressed in glial cell membranes of mouse neocortex using the xenopus oocyte microtransplantation expression system is reduced compared to that developing in nerve cells**
BERNAREGGI A, GRILLI M, MARCHI M, LIMATOLA C, RUZZIER F, EUSEBI F
- P18 **Molecular characterization of dopamine-derived quinones reactivity toward NADH and glutathione: implications for mitochondria dysfunction in Parkinson's Disease**
BISAGLIA M, SORIANO ME, ARDUINI I, MAMMI S, BERNARDI P, BUBACCO L
- P19 **Na⁺-glucose cotransporter is expressed by alveolar epithelial type I cells**

BODEGA F, SIRONI C, ARMILLI M, PORTA C,
AGOSTONI E

P20 **Synapsin KnockOut mice: an in vitro model of human epilepsy studied with Multi-Electrode Arrays**

BOIDO D, FARISELLO P, BALDELLI P, BENFENATI F

P21 **The double feature of an endocrine disruptor: the bisphenol A example**

BOLLI A, MARINO M

P22 **Protective role of BDNF in cortical neurons treated with different concentrations of beta-amyloid**

BONADONNA C, ORIGLIA N, ROSELLINI A,
ARANCIO O, YAN SD, DOMENICI L

P23 **Clues to the formation of cores in a mouse model of Malignant Hyperthermia**

BONCOMPAGNI S, ROSSI AE, MICARONI M,
HAMILTON SL, DIRKSEN RT, FRANZINI-
ARMSTRONG C, PROTASI F

P24 **Respiratory role of GABA and glycine receptors within the Bötzing complex of the rabbit**

BONGIANNI F, MUTOLO D, CINELLI E, PANTALEO T

P25 **Structural integrity of corpus callosum influences the interhemispheric transfer of sensorimotor information**

BONZANO L, TACCHINO A, ROCCATAGLIATA L,
BOVE M

P26 **Effect of oxygen pre-breathing on platelet and lymphocytes modulation during scuba diving**

BOSCO G, MANCINELLI R, MORABITO C, PILLA R,
DORIA C, CORONA C, DI TANO G, FANO' G

P27 **Community nutrition: knowledge, attitudes and practices of food service staff in nursing homes and long-term care facilities for the elderly**

BUCCHERI C, LA GUARDIA M, GIAMMANCO S,
MAMMINA C, CASUCCIO A

- P28 **Vertebral body innervation: implications for pain**
BUONOCORE M, ALOISI AM, BARBIERI M, GATTI AM, AMATO G, CECCARELLI I, BONEZZI C
- P29 **Temperature dependence of MgATP and MgADP affinity of fast and slow rat myosin isoforms: an IVMA approach**
CANEPARI M, LONGA E, MAFFEI M, GEEVES MA, BOTTINELLI R
- P30 **Myocardial protection by the endogenous peptide Apelin-13**
CAPPELLO S, RASTALDO R, FOLINO, LOSANO G
- P31 **Anti-inflammatory effects of dehydroxymethylepoxyquinomicin, a novel NF-kB inhibitor, in normal human keratinocytes NCTC 2544 treated with IFN- γ and histamine**
CARDILE V, FRASCA G, CAGGIA S
- P32 **The effect of inorganic phosphate on transient and steady state responses of demembranated fibres from skeletal muscle**
CAREMANI M, MELLI L, DOLFI M, LOMBARDI V, LINARI M
- P33 **New findings on the role of Neuropilin ligands in the development of GnRH-neurons and olfactory nerves**
CARIBONI A, DAVIDSON K, RAKIC S, NOSEDA R, MAGGI R, PARNAVELAS J, RUHRBERG C
- P34 **Effect of exercise on human skin elasticity and on redox oxigen species production**
CARINO AR, MIANO A, MIGNINI F, BARTOLOMEI G, NICOLETTA V, MARTINO G
- P35 **Effects of hypoxia induced by sodium dithionite on cortical neuron electrical properties**
CARUNCHIO I, PIERI M, POCATERRA D, CAIOLI S, CURCIO L, ZONA C
- P36 **Epigenetic effects of a PCB exposure during early**

development in the rat

CASATI L, SENDRA R, COLCIAGO A, HUERTAS RUZ D, CELOTTI F, ESTELLER M, NEGRI-CESI P

P37

Functional role of a highly conserved sequence motif in the insect amino acid transporter KAAT1

CASTAGNA M, MARI S, SANTACROCE M, SACCHI VF

P38

Heart rate variability is modulated by neurons within the rostro ventromedial medulla

CERRI M, TUPONE D, AMICI R, DENTICO D, LAUDADIO S, LUPPI M, MARTELLI D, MASTROTTO M, PEREZ E, ZAMBONI G

P39

Beta-methasone effects on trophoblast connexin expression

CERVELLATI F, LUNGI L, PAVAN B, FERRETTI ME, VESCE F, BIONDI C

P40

Acute cardiovascular adaptations to isotonic exercise in chronic heart failure patients and in healthy age matched subjects

CEVESE A, BARALDO A, TARPERRI C

P41

Inhibition by antidepressants of the GABA transport by rGAT1 (SLC6A) WT and the K448E mutant

CHERUBINO F, GIOVANNARDI S, RENNA MD, BOSSI E

P42

Distractor influence on movement trajectory

CHIEFFI S, RICCI M, LAMARRA M, MESSINA G, VIGGIANO A, MONDA M

P43

Effects of hyperosmolar stimulation on IL-8 release in different bronchial epithelial cell lines

CHIMENTI L, SANTAGATA R, BELLIA V, BONSIGNORE MR, MORICI G

P44

Bronchial epithelial thickness is increased in small airways of MDX mice at rest and after training

CHIMENTI L, SANTAGATA R, MACALUSO F,
BENIGNO A, LICCIARDI A, BONSIGNORE MR,
MORICI G

- P45 **Enhanced excitatory and unaltered inhibitory synaptic transmission at the pyramidal cell to fast-spiking interneuron connection in the barrel cortex of knockin mice carrying a familial hemiplegic migraine mutation in the P/Q-type Ca²⁺ channel (CaV2.1) gene**
CONTI RP, VAN DEN MAAGDENBERG AMJM, PIETROBON D
- P46 **Neurosphere assay as an in vitro model test to address the role of axonal adhesive glycoproteins in neural development**
CORSI P, BIZZOCA A, GENNARINI G
- P47 **Effects of serotonin on AMPA receptor-mediated synaptic transmission in rat and mouse hippocampus: different roles of 5-HT_{1A} and 5-HT₇ receptors during development**
COSTA L, TROVATO C, MUSUMECI S, CATANIA MV, CIRANNA L
- P48 **Synaptosomal gene expression: modulation by training**
CRISPINO M, EYMAN M, CEFALIELLO C, FERRARA E, PERRONE CAPANO C, GIUDITTA A
- P49 **Neglect syndrome for aversive and pleasant stimuli in a macaque monkey with PEEF lesion**
CROAZZO G, LANZILOTTO M, BON L, PERCIAVALLE V, TERLIZZI V, LUCCHETTI C
- P50 **Hypnotizability and NOS3 polymorphisms**
CURCIO M, PRESCIUTTINI S, CHILLEMIR, SCATENA F, CARLI G, GHELARDUCCI B, SANTARCANGELO EL
- P51 **Complex dynamics in the granular layer network of the cerebellum: experimental results and computational**

reconstructions

D'ANGELO E, SOLINAS S, MAPELLI J, PRESTORI F,
LOMBARDO P, CESANA E, GANDOLFI D, CONGI L

P52 **EMG activity reveals a characteristic pattern in a mouse
model of mild spinal (type III) muscular atrophy**

D'ARCANGELO G, MURDOCCA M, GROSSI D,
SANGIUOLO F, TANCREDI V

P53 **Calsequestrin-1: a new candidate gene for malignant
hyperthermia (MH) and exertional /environmental heat
stroke (EHS)**

DAINESE M, QUARTA M, PAOLINI C, CANATO M,
REGGIANI C, PROTASI F

P54 **Role of AMPK in the organ-specific responses to 3,5-
diiodo-L-thyronine in high-fat diet-fed rats**

DE LANGE P, SENESE R, CIOFFI F, LOMBARDI A,
VALLI V, MORENO M, SILVESTRI E, DE MATTEIS R,
GOGLIA F, LANNI A

P55 **Aromatase blockage in prepubertal male rats by
anastrozole: effects on social play**

DELLA SETA D, PANELLI R, FUSANI L, BEANI L,
FARABOLLINI F, DESSÌ-FULGHERI F

P56 **Histone deacetylase inhibitors (HDACi) ameliorate
cardiac electrical competence in mdx mouse model of
Duchenne muscular dystrophy (DMD)**

DELUCCHI F, COLUSSI C, BERNI R, ROSATI J,
STRAINO S, SPALLOTTA F, BOCCHI L, SAVI M,
MACCHI E, STILLI D, QUAINI F, CAPOGROSSI MC,
GAETANO C, MUSSO E

P57 **Masseter muscle responses to air and bone conducted
sound in man**

DERIU F, ORTU E, GIACONI E, TOLU E, ROTHWELL
JC, DAY B, WELGAMPOLA M

- P58 **A PDZ protein target sequence and a clathrin-dependent endocytosis signal concur in regulating the surface expression of the glutamate transporter EAAC1 in epithelial cells**
DI CAIRANO E, FANTIN G, D'AMICO A, SORAGNA A, PANZERI N, SACCHI VF, PEREGO C
- P59 **Maturation-dependent pattern of voltage-gated Na⁺ currents in embryonic-derived NS cells**
DI FEBO F, TOSELLI M, BIELLA G, CONTI L, CATTANEO E
- P60 **Modulating activity of the quercetin on the superoxide dismutase**
DI MAJO D, GIAMMANCO S, MICELI F, LA GUARDIA M, GIAMMANCO M
- P61 **Circadian rhythms in the eye of dark reared rats**
DI MARCO F, DI MARCO S, MACCARONE R, BISTI S
- P62 **Vitamin E reduces cold-induced oxidative stress in rat skeletal muscle decreasing mitochondrial H₂O₂ release and tissue susceptibility to oxidants**
DI STEFANO L, DI MEO S, AGNISOLA C, VENDITTI P
- P63 **Vitamin A deficiency: differences between male and female rats on locomotor activity, motor coordination and striatal acetylcholine concentration**
FADDA F, COLLU M, CARTA M, FADDA A, STANCAMPIANO R
- P64 **Correlation of personality to arterial pressure changes in a complex cognitive task**
FEDERICI A, AFFATATI V, CATALANO C, DE CARO MF, PENNELLI M, DI GENNARO B, PAPAGNI A, CAMPOBASSO F, TODARELLO O
- P65 **Impact of atrial E-C coupling mechanisms on inotropic response**
FERRANTINI C, TESI C, POGGESI C
- P66 **Technical learning affects physiological response of**

- Nordic Walking at different slopes and speed.**
FIGARD-FABRE H, LEONARDI A, SCHENA F
- P67 **Evolution of the phenols and unsaponifiable fractions, in extra virgin olive oil, during the ripening phase**
FINOTTI E, GIAMMANCO S, LA NEVE L, LA GUARDIA M, GIAMMANCO M, DI MAJO D
- P68 **Protective effects of intravitreally released saffron in light stressed P23H rat retinas**
FIORANI L, COLECCHI L, DI MARCO F, DI MARCO S, MACCARONE R, BISTI S
- P69 **The impact of pain and opioids on the endocrine system in male rats**
FIORENZANI P, CECCARELLI I, DANIELLI B, CAPRIO A, MADDALENA M, ALOISI AM
- P70 **Organotin effects on membrane fluidity in bivalve molluscs of aquaculture interest. A fluorescence study**
FIORINI R, TUCCI E, ZOLESE G, PAGLIARANI A, VENTRELLA V, RAGNI L
- P71 **Training of skilled motor actions and movement related brain macropotentials**
FONTANI G, MIGLIORINI S, DE MARTINO E, NEKTARIOS S, LODI L, CORRADESCHI F
- P72 **Analysis of connexin (Cx36 and Cx45) expression in the carotid body, adrenal medulla and enteric neurons of both mouse and rat**
FRINCHI M, DI LIBERTO V, D'ANTONI F, OLIVIERI M, BELLUARDO N, MUDDO' G
- P73 **Influence of Testosterone on glutamate synaptic transmission and neuron excitability in the rat medial vestibular nuclei**
FRONDAROLI A, DI MAURO M, GRASSI S, PETTOROSSO V-E
- P74 **Kinetics of the increase in stiffness following stretches**

superposed on the isometric contraction of single muscle fibres

FUSI L, RECONDITI M, BRUNELLO E, ELANGO VAN R, LOMBARDI V, PIAZZESI G

P75 **Muscle involvement in familial amyotrophic lateral sclerosis**

GALBIATI M, ZITO A, ONESTO E, MARIOTTI R, BENTIVOGLIO M, BENDOTTI C, POLETTI A

P76 **Contribution of endogenous nitrenergic and peptidergic influences to the altered gastric contractile responses in strips from dystrophic (mdx) mice**

GARELLA R, BACCARI MC

P77 **Aquaglyceroporin AQP9 has patho-physiological relevance in non-alcoholic fatty liver disease (NAFLD)**

GENA P, LIQUORI GE, FANELLI E, PORTINCASA P, FERRI D, SVELTO M, CALAMITA G

P78 **Activation of insulin secretory granules exocytosis induces changes in local extracellular $[Ca^{2+}]$ in INS-1E pseudoislet**

GERBINO A, MAIELLARO I, CARMONE C, RANIERI M, DEBELLIS L, CAROPPO R, COLELLA M

P79 **In vivo effect of anthocianin extract oral administration on rat serum antioxidant activity**

GIORDANO ME, LIONETTO MG, CALISI A, ERROI E, SCHETTINO T

P80 **Proliferative non genomic effects of thyroid hormones are mediated by PI3kinase/Akt activation and ROS production**

GNOCCHI D, INCERPI S, BRUSCALUPI G, SPAGNUOLO S, LEONI S

P81 **Changes in contractile properties induced by posttetanic potentiation of two different human leg muscles**

- P82 **GOBBO M, GAFFURINI P, LUSSIGNOLI D, ORIZIO C**
PAT protein expression in adult rat hepatocytes: effects of in vitro exposure to fatty acids
GRASSELLI E, VOCI A, PESCE C, CANESI L, FUGASSA E, GALLO G, VERGANI L
- P83 **Expression of cell fate determinants and plastic changes after neurotoxic lesion of adult mice spinal cord by Cholera Toxin-B Saporin**
GULINO R, PERCIAVALLE V, GULISANO M
- P84 **Hormone and cytokine interaction in human trophoblast cells**
IETTA F, BECHI N, BHATTACHARJEE J, SPAGNOLETTI A, PAULESU L
- P85 **Catestatin modulates cardiac performance of the isolated and perfused working eel heart**
IMBROGNO S, GAROFALO F, MAHATA SK, TOTA B
- P86 **Nongenomic effects of thyroid hormones: An update**
INCERPI S, DE VITO P, LEONI S, SCAPIN S, SPAGNUOLO S, LULY P
- P87 **Flavonols: relationship between pH and antioxidant activity**
LA NEVE L, DI MAJO D, GIAMMANCO S, LA GUARDIA M, GIAMMANCO M
- P88 **Small intestinal aquaporins and solute transporters are decreased in coeliac disease**
LAFORENZA U, MICELI E, SCAFFINO MF, FONTANA JM, VENTURA U, GASTALDI G, CORAZZA GR
- P89 **Pial arteriolar networks in obese zucker rats**
LAPI D, VAGNANI S, COLANTUONI A
- P90 **Hippocampal neurons obtained from A1R^{-/-} mice are not protected against Glu-induced excitotoxicity by CX3CL1**
LAURO C, CIPRIANI R, CATALANO M, TRETTEL F,

CHECE G, VAN ROIJEN N, EUSEBI F, FREDHOLM B,
LIMATOLA C

P91 **Effect of high fat diet rich in fish oil or in lard on obesity, insulin resistance and hepatic steatosis development in rats: role of hepatic mitochondrial energy efficiency**

LIONETTI L, MOLLICA MP, CAVALIERE G, GIFUNI G, GAITA M, DE FILIPPO C, DONIZZETTI I, PUTTI R, BARLETTA A

P92 **Early long-term L-T3 replacement rescues mitochondria and prevents ischemic cardiac remodeling in rats**

LIONETTI V, FORINI F, PUCCI A, NICOLINI G, ARDEHALI H, RECCHIA F, IERVASI G

P93 **Role of myosin II in the response to hypertonic stress: a study in a native intestinal epithelium**

LIONETTO MG, GIORDANO ME, SCETTINO T

15.00 - 16.30 **SIMPOSIO II - Aula Magna**

Cellular and molecular mechanism underlying synaptic plasticity and memory

Chair: A. Palmeri (Università di Catania)

S09 **"Role of amyloid-beta peptide in synaptic plasticity and memory"**

D. Puzzo (Università di Catania)

S10 **"Short-term activity-dependent synaptic plasticity: Role of synapsin phosphorylation"**

P. G. Montarolo (Università di Torino)

S11 **"Role of local protein synthesis in the persistence of memory"**

M. C. Miniaci (Università di Napoli)

S12 **"Distributed synaptic plasticity in in-vitro cortical networks"**

16.30 - 17.00 *Coffee break*

17.00 - 18.30 **SIMPOSIO III - Aula Magna**

Dynamics of multi-protein complexes in cellular physiology and disease

Chair: V. Casavola (Università di Bari)

S13 **“Genetic studies of proteins implicated in synaptic vesicle endocytosis”**

S. Giovedì (Università di Genova)

S14 **“NHERF1 overexpression-dependent increase of cytoskeleton organization is fundamental in the rescue of F508del-CFTR in CF human airway cells”**

V. Casavola (Università di Bari)

S15 **“Membrane rafts regulate both apical sorting and endocytosis of aquaporin 2 in renal cells”**

G. Procino (Università di Bari)

S16 **“Properties of human Ca²⁺-sensing receptor (CaSR): the functional study of CaSR polymorphic variants as a tool to understand the diseases linked to Ca²⁺ dysfunctions”**

D. Cervia (Università della Tuscia)

VENERDI 25 SETTEMBRE

Centro Didattico Policlinico Le Scotte

8.30 - 13.00 **Registrazione partecipanti**

9.00 - 10.30 **SIMPOSIO IV - Aula Magna**

Skeletal muscle plasticity: cellular and molecular aspects

Chair: C. Reggiani (Università di Padova)

- S17 **“Activity-dependent and -independent circadian rhythms in mammalian skeletal muscles”**
S. Schiaffino (Università di Padova)
- S18 **“Transcriptional regulation in muscle plasticity: the myosin gene family as a regulatory model”**
K. M. Baldwin (Università della California)
- S19 **“Molecular and cellular adaptation in muscle plasticity”**
R. Bottinelli (Università di Pavia)
- S20 **“Relevance of redox balance to muscle plasticity”**
S. Fulle (Università di Chieti-Pescara)

10.30 - 11.00 *Coffee break*

11.00 – 13.00 **COMUNICAZIONI ORALI**

Aula Magna

MUSCLE PHYSIOLOGY

Chairs: C. Poggesi, A.M. Aloisi

- OC17 **“Mechanics and myosin cross-bridge kinetics of human ureteral smooth muscle”**
Vargiu R, De Lisa A, Perinu A, Capra A, Usai E, Tintrup F, Fraschini M, Mancinelli R
- OC18 **“Structural changes in muscle during relaxation”**
Brunello E, Fusi L, Reconditi M, Linari M, Bianco P, Panine P, Narayanan T, Piazzesi G, Lombardi V, Irving M
- OC19 **“Effect of removal and reconstitution of troponin and tropomyosin on Ca²⁺-activated tension generation in isolated myofibrils”**
Scellini B, Piroddi N, Poggesi C, Tesi C
- OC20 **“Lack of calsequestrin1 causes impaired maturation and a progressive myopathy in skeletal fibers”**

Paolini C, Quarta M, Nori A, Dainese M, Canato M, Tomasi M, Volpe P, Reggiani C, Protasi F

- OC21 **“Repair of chronic myocardial infarction (MI) induced by mobilization of cardiac progenitor cells (CPCs) via local delivery of hepatocyte growth factor (HGF) and insulin-like growth factor-1 (IGF-1) is not proarrhythmic”**

Bocchi L, Savi M, Berni R, Delucchi F, Frati C, Graiani G, Lagrasta C, Stillitano F, Agnetti A, Baruffi S, Rossi S, Squarcia U, Cerbai E, Macchi E, Stilli D, Quaini F, Musso E

- OC22 **“Marker expression, morphology and mobility of dental pulp mesenchymal stem cells (DP-MSCs) few hours after injection into a beating heart”**

Folino A, Sprio A, Di Scipio F, Salamone P, Penna C, Pagliaro P, Geuna S, Berta GN, Rastaldo R

- OC23 **“Localization, isolation and characterization of pacemaker cells derived from engineered murine embryonic stem cells”**

Capiluppo D, Crespi A, Scavone A, Mazzocchi N, Tocchetti B, Coco S, Barbuti A, Di Francesco D

- OC24 **“Calcium Sensing Receptor signaling in cardiac fibroblasts and myocytes from neonatal rats”**

Ranieri M, Gerbino A, Maiellaro I, Debellis L, Caroppo R, Colella M

Aula 6

CELL PHYSIOLOGY

Chairs: F. Goglia, A. Naldini

- OC25 **“Regulation of estrogen receptor alpha turnover by 17beta-estradiol-evoked membrane-initiated signaling”**

Acconcia F, Marino M

- OC26 **“HSP70 protein and gene expressions in a human**

trophoblast-derived cell line under different stress conditions”

Fabbri E, Franzellitti S, Biondi C, Valbonesi P

OC27 **“Seladin-1/DHCR24 gene overexpression decreased migration of immature immortalized neurons”**

Organisti C, Samara A, Cariboni A, Galbiati R, Maggi R

OC28 **“Microglial reactive oxygen species (ros) in response to beta-amyloid (A β) involves chloride intracellular channel (CLIC1)”**

Averaimo S, Mapelli L, Abeti R, Duchen MR, Mazzanti M

OC29 **“The calcium influx via TCC modulated by Ang II regulates endothelial cell migration”**

Mazzulla S, Bruno R, Tavolaro P, Martini A

OC30 **“Role of ER β on the migratory behaviour of prostate cancer cells”**

Montagnani Marelli M, Moretti MR, Mai S, Limonta P, Motta M

OC31 **“DNA unwinding under force clamp and its dependence on temperature”**

Bianco P, Bongini L, Dolfi M, Lombardi V

OC32 **“Age-dependent effect of Hydrogen peroxide (H₂O₂) on skeletal muscle cells and neuromuscular transmission”**

Lorenzon P, Giniatullin R, Luin E, Shakirzyanova A, Sciancalepore M

13.00 - 15.00 *Lunch*

13.00 - 15.00 **Sessione poster**

P94 **Influence of 3,5-diiodo-L-thyronine on skeletal muscle lipid metabolism**

LOMBARDI A, BUSIELLO RA, NAPOLITANO L,
MORENO M, DE LANGE P, SENESE R, CIOFFI F,
LANNI A, GOGLIA F

- P95 **Glutamic acid decarboxylase (GAD) isoform of 67 kDa regulates the synthesis of GABA in Schwann cells**
MAGNAGHI V, BONANNO G, PARDUCZ A,
PROCACCI P, FUMAGALLI F, MOTTA M
- P96 **The effect of hypoxia on NT2N cells**
MAIORCA S, ALDINUCCI C, DE ROSA P, PALMI M,
STICOZZI C, PESSINA GP
- P97 **Effects of all-trans-retinoic acid (RA) and Augmenter of Liver Regeneration (ALR) on human SH-SY5Y neuroblastoma cell survival and differentiation.**
MALLAMACI R, CAMPANA G, POLIMENO L,
VITIELLO F, BUTTIGLIONE M
- P98 **Biomolecular responses of trigeminal primary neurons to cortico-trigeminal path degeneration**
MANCA P, MULLIRI G, DE RIU N, STANZANI S, CARIA
MA, MAMELIO, DE RIU PL
- P99 **The peripheral blood lymphocytes: a model to monitor physiological adaptation to high altitude**
MARIGGIO' MA, FALONE S, GUARNIERI S,
MIRABILIO A, MORABITO C, PILLA R, AMICARELLI
F
- P100 **Genistein aglycone and cardiovascular system in postmenopausal women: a follow-up study**
MARINI H, ADAMO EB, MARINI R, ATTERITANO M,
MINUTOLI L, BITTO A, POLITO F, D'ANNA R,
SQUADRITO F
- P101 **Role of K⁺ and Cl⁻ conductive pathways and K-Cl cotransport (KCC) in Regulatory Volume Decrease (RVD) of acontial nematocytes from *Aiptasia mutabilis* (Cnidaria, Anthozoa)**
MARINO A, MORABITO R, LA SPADA G
- P102 **The voltage calcium channels are involved in the CNP levels's modulation by Angiotensin II in the Human**

Umbilical Vein Endothelial Cells

- P103 **MARTINI A, MARTINO G, NIGRO A, BRUNO R**
Cardiac stress responsivity in mice lacking 5-HT_{1A} receptors
MASTORCI F, CARNEVALI L, AUDERO E, GROSS C, SGOIFO A
- P104 **Catestatin contributes to the Frank-Starling response in the working frog heart**
MAZZA R, GATTUSO A, MAHATA SK, TOTA B
- P105 **Changes in periodicities of actin and myosin filaments at different levels of force**
MELLI L, CAREMANI M, DOLFI M, MARTIN-FERNANDEZ M, NARAYANAN T, RECONDITI M
- P106 **Effect of blood glucose variation on performance during the execution of attention tests**
MIGLIORINI S, ANDRE P, DE MARTINO E, NEKTARIOS S, FONTANI G, CORRADESCHI F
- P107 **Prenatal effect of buspirone on indices of inflammatory pain and depression in prenatally stressed infant rats of different ages**
MIKHAILENKO V, BUTKEVICH I, VERSHININA E, SEMIONOV P, FIORENZANI P, ALOISI AM
- P108 **Cognitive effect of stop signals presence on preparation and execution of reaching movements in Parkinson's patients**
MIRABELLA G, MODUGNO, IACONELLI S, SPADACENTA N, LENA F, ROMANELLI P, MANFREDI M, CANTORI G
- P109 **Vitamin D enhances nitric oxide production in endothelial cells**
MOLINARI C, UBERTI F, GROSSINI E, VACCA G, INVERNIZZI M, CARDA S, CISARI C
- P110 **Effects of verapamil on the human endplate**

acetylcholine receptor

MORICONI C, ENGEL AG, EUSEBI F, GRASSI F

P111 **Impact of general anaesthesia on lung matrix function in spontaneously breathing rats**

MORIONDO A, MARCOZZI C, BIANCHIN F, NEGRINI D

P112 **Effects of glucagon-like peptide 1 on intestinal mechanical activity in mouse**

MULE' F, AMATO A, ROTONDO A, SERIO R

P113 **Influences of neurokinin receptor activation on respiratory rhythm generation in the lamprey**

MUTOLO D, BONGIANNI F, CINELLI E, PANTALEO T

P114 **Hypercholesterolemia and body fat distribution in elderly**

NASTI G, CAPUANO L, MARESCA ID, VICEDOMINI L, FARINA C, PARENTE A, COLANTUONI A

P115 **Evaluation of oxidative stress in pregnant rat**

NICOLETTA V, CARINO AR, MAZZULLA S

P116 **Pharmacological properties of voltage-dependent sodium currents in entorhinal cortex layer-II neurons: a re-evaluation**

NIGRO MJ, CASTELLI L, MAGISTRETTI J

P117 **Morphological and chemical/physical changes in Caco-2 cell line by treatment with α -tocopherol and an oxidative compound**

NOBILI F, GARAGUSO I, MARTINOLI L, AUDISIO M

P118 **Development of beta amyloid synaptic dysfunction in entorhinal cortex: the role of RAGE**

ORIGLIA N, ARANCIO O, YAN SD, DOMENICI L

P119 **Role of K⁺ channels in the expression of dependence by A1 receptor -stimulation in guinea pig ileum (GPI)**

PALMERY M, MHILLAJ E, MARTINOLI L, ROMANELLI L

- P120 **Excitatory amino acid receptors in the mediation of tracheobronchial cough induced by citric acid inhalation in the rabbit**
PANTALEO T, BONGIANNI F, CINELLI E, MUTOLO D
- P121 **Growth inhibition and proapoptotic activity induction by the retinoid IIF and valproic acid on HT-29 colon cancer cell line**
PAPI A, AMMAR K, ROSSI B, ROCCHI P, FERRERI AM, ORLANDI M
- P122 **Glycyrrhizin and glycyrrhetic acid directly modulate cardiac performance in rat beating hearts**
PARISELLA ML, ANGELONE T, CERRA MC, PELLEGRINO D
- P123 **Expression of vomeronasal receptors in mouse olfactory epithelium**
PASCARELLA G, LAZAREVIC D, BERTIN N, PLESSY C, SIMONE R, KRMAC H, VLACHOULI C, GARIBOLDI M, DE CECCO L, PIEROTTI M, ZUCHELLI S, CARNINCI P, HAYASHIZAKI Y, GUSTINCICH S
- P124 **Physiology and physio-pathology of urgency-frequency syndrome: the effect of the hyperbaric oxygen treatment (HBO)**
PASSAVANTI G, BRAUZZI M, TANASI P, FIORENZANI P, ALOISI AM
- P125 **Cardioprotection by Postconditioning (PostC) in Normotensive and Hypertensive Rat Hearts: role of angiotensin-converting enzyme (ACE)**
PENNA C, TULLIO F, FOLINO A, MORO F, PAGLIARO P
- P126 **Involvement of catalase (CAT), superoxide dismutase (SOD), reactive oxygen species (ROS), reactive nitrogen species (RNS) and protein nitrosylation in postconditioning (PostC) cardioprotection**

PENNA C, TULLIO F, PERRELLI M-G, MORO F,
PARISELLA ML, MERLINO AL, PAGLIARO P

P127 **High affinity glutamate transporters are expressed in Schwann cells and regulated by allopregnanolone**

PEREGO C, BALLABIO M, DI CAIRANO ES,
MAGNAGHI V

P128 **Sphingosine 1-phosphate (S1P) signaling is involved in skeletal muscle regeneration**

PERON S, GERMINARIO E, BETTO R, DANIELI-
BETTO D

P129 **Voltage-dependent calcium currents are increased in cortical neurons of an Amyotrophic Lateral Sclerosis mouse model**

PIERI M, CURCIO L, CARUNCHIO I, CAIOLI S, CANU
N, ZONA C

P130 **Detecting early signs of muscle fatigue in low-load repetitive movements**

PIERRO M, ROATTA S

P131 **Physiological effects of GTP on M1-cortical collecting duct cell line**

PIETRANGELO T, MANCINELLI R, LA ROVERE R,
WILDMANN S, FULLE S

P132 **The acoustic-masseteric reflex (AMR) and the vestibulo-masseteric reflex (VMR): a new tool to explore brainstem (BS) function in man**

PILURZI G, GIACONI E, ORTU E, DERIU S, RUIU E,
MAGNANO I, COSSU P, ACHENE A, SALIS A, CONTI
M, PES G, TOLU E, DERIU F

P133 **Identification of the anti-aquaporin-4 NMO-IgG epitope**

PISANI F, NICCHIA GP, MASTROTOTARO M, ROSSI
A, TORTORELLA C, RUGGIERI M, TROJANO M,
FRIGERI A, SVELTO M

- P134 **Cyclic AMP inhibits inwardly rectifying potassium currents causing depolarization of medium spiny neurons in the nucleus accumbens through a PKA-independent pathway**
PODDA MV, RICCARDI E, D'ASCENZO M, AZZENA GB, GRASSI C
- P135 **Alfa-7 nicotinic receptors enhance glutamatergic transmission and plasticity in the cerebellum**
PRESTORI F, GOSELINK RJM, LOMBARDO P, BERTRAND D, D'ANGELO E
- P136 **Gender-related cardiac autonomic modulation in young elite athletes**
PRINCI T, FINDERLE Z, PARCO S, ZUPET P
- P137 **Effects of acute hypoxia on cardiac autonomic nervous system in males and females**
PRINCI T, KLEMENC M, GOLJA P, ACCARDO A
- P138 **Haptoglobin impairs the anti-atherosclerotic function of Apolipoprotein E**
PUGLIESE CR, CIGLIANO L, SPAGNUOLO MS, MARESCA B, SALVATORE A, LUBRANO LAVADERA M, PIGNALOSA S, RISI F, SANTORO E, D'ALESSIO A, PICARDI E, ABRESCIA P
- P139 **Thymoquinone induces apoptosis in human glioblastoma cell lines**
QUASSINTI L, LUPIDI G, GALI-MUHTASIB H, KHALIFE KH, MACCARI E, BRAMUCCI M
- P140 **Circulating salicylic acid and metabolic and inflammatory responses after fruit ingestion**
RINELLI S, SPADAFRANCA A, ALICANDRO G, FIORILLO G, BERTOLI S, BATTEZZATI A
- P141 **Evidences of cannabinoids-induced modulation of paroxysmal events in an experimental model of partial epilepsy in the rat**

- RIZZO V, SARDO P, CARLETTI F, LONOBILE G,
FRISCIA S, LA GRUTTA V, FERRARO G
- P142 **Disentangling sympatho-neural and sympatho-hormonal components from stress-evoked vascular responses in conscious rabbits**
- ROATTA S, MOHAMMED M, PASSATORE M
- P143 **The leaky scanning mechanism: regulation of the Aquaporin-4 gene expression**
- ROSSI A, PISANI F, NICCHIA GP, SVELTO M, FRIGERI A
- P144 **Is arrhythmia vulnerability related to conduction system in aged rat hearts?**
- ROSSI S, BARUFFI S, BERTUZZI A, CORRADI D, MANGHI M, MASTORCI F, MUSSO E, SGOIFO A, SÜZMEÇELİK E, MACCHI E
- P145 **Respiratory system and lung hysteresis measurements in the rat**
- RUBINI A, BORTOLETTO E, FASANO F, TOSATTO V
- P146 **Measurements of respiratory mechanics in rat by the end-inflation occlusion method**
- RUBINI A, CASTELLI G, BOSCARO E, FAVERO E, VETTORE E
- P147 **Serum uric acid concentration and metabolic parameters in Naples aging people**
- RUSSO M, NASTI G, CASTELLANO L, PETAGNA L, COLANTUONI A
- P148 **Antioxidant role of haptoglobin in cerebrospinal fluid**
- SALVATORE A, CIGLIANO L, CARLUCCI A, PUGLIESE CR, SPAGNUOLO MS, MARESCA B, PIGNALOSA S, RISI F, ABRESCIA P
- P149 **Electrophysiological properties of the sea bass *Dicentrarchus labrax* oligopeptide transporter PEPT1**
- SANGALETTI R, BOSSI E, PERES A
- P150 **Interaction between CFTR and the cytoskeletal protein**

adducin in Na⁺-sensitive hypertension

SASSONE F, GARAVAGLIA ML, MONDINI A,
BAZZINI C, VEZZOLI V, CAPASSO GB, PAULMICHL
M, MEYER G

- P151 **Sequencing the carbonic anhydrase cDNAs from the Antarctic teleosts *Trematomus eulepidotus* and *T. lepidorhinus***

SATTIN G, SANTOVITO G, MARINO S, BELTRAMINI
M

- P152 **Effect of Cannabidiol, a non-psychotropic component of *Cannabis sativa*, on inflammation-induced intestinal hypermotility in mice**

SCALISI C, CAPASSO R, BORRELLI F, IZZO AA,
FILECCIA R

- P153 **CXCL12-induced glioblastoma cell migration requires intermediate-conductance calcium-activated K channel activity**

SCIACCALUGA M, FIORETTI B, CATACUZZENO L,
CASTIGLI E, CATALANO M, RAGOZZINO D,
FRANCIOLINI F, LIMATOLA C

- P154 **Cytotoxic effects of polyphenols from wastewater of extra virgin olive oil on human HL60 and K562 cell lines**

SEPPORTA MV, LETO G, FLANDINA C,
TUMMINELLO FM, LA GUARDIA M, GIAMMANCO
M, DI MAJO D, TOLOMEO M, CRESCIMANNO M

- P155 **Effects of saffron treatment in environmental and genetically stressed retinas**

SILVA R, MACCARONE R, DI MARCO S, ROMEO S,
NATOLI R, VALTER K, STONE J, BISTI S

- P156 **Mathematical modelling provides proof of principle that phasic cardiovascular events in sleep result from integration of the arterial baroreflex and central**

autonomic commands

SILVANI A, MAGOSSO E, LENZI P, URSINO M

P157 **The water taste transduction mechanism in the blowfly couples aquaglyceroporins and stretch-sensitive channels**

SOLARI P, MASALA C, SOLLAI G, CRNJAR R, LISCIA A

P158 **The pathological prion protein elicits ionic conductances in lipid bilayer modulated by calcium ions**

SORRENTINO S, TOSATTO A, SCHININA' ME, MARAS B, CARDONE F, POCCHIARI M, MAZZANTI M

P159 **Relation between abdominal visceral fat and adipokines levels: effect of Mediterranean diet-induced weight loss in obese women**

SPADAFRANCA A, MAGNI P, DOZIO E, RUSCICA M, RAVASENGHI S, RINELLI S, BATTEZZATI A, BERTOLI S

P160 **Muscarinic modulation of the balance between inhibition and excitation in the perirhinal cortex of the GAD67 mouse**

SPAIARDI P, TOSELLI M, TANAGAWA Y, BIELLA G

P161 **Muscular effects of orexin A on the mouse duodenum: mechanical and electrophysiological studies**

SQUECCO R, GARELLA R, LUCIANI G, FRANCINI F, BACCARI MC

P162 **Electrophysiological characterization of neuronal and smooth muscle differentiation of human stem cell from adipose tissue**

SQUECCO R, LUCIANI G, BAGLIONI S, LUCONI M, SERIO M, FRANCINI F

P163 **Skeletal muscle improvements in CHF patients after 16**

- week resistance training**
TARPERI C, BARALDO A, SCHENA F, CEVESE A
- P164 **Metabolic changes in chronic heart failure after resistance and aerobic training**
TARPERI C, SCHENA F, ZANOLLA L, BARALDO A, CEVESE A
- P165 **The effects of DNA methylation during muscle differentiation in mouse myoblasts**
TERRUZZI I, SENESI P, MONTESANO A, BENEDINI S, LUZI L
- P166 **Insulin-mimetic action of conglutin- γ in mouse myoblasts**
TERRUZZI I, SENESI P, MONTESANO A, MAGNI C, SCARAFONI A, LUZI L, DURANTI M
- P167 **Significant relationship between carbon dioxide excess and blood lactate concentration after field test for indoor football**
TOCCO F, COMINU M, ANGIUS L, MELIS F, CONCU A, CRISAFULLI A
- P168 **The natural polyphenolic compound Rottlerin overestimates the MTT test because of its mitochondrial uncoupling effect**
TORRICELLI C, MAIOLI E, PACINI A, FORTINO V, CARLUCCI F, VALACCHI G, PECORELLI A, MUSCETTOLA M
- P169 **Determinants of laser-evoked EEG responses: effect of predictable and unpredictable changes in stimulus location**
TORTA DME, LIANG M, MOURAUX A, IANNETTI GD
- P170 **Aged female rats: a study on the regulation of 3-hydroxy 3-methylglutaryl Coenzyme A reductase**
TRAPANI L, VIOLO F, PALLOTTINI V
- P171 **Neurons within the rostro ventromedial medulla**

control cutaneous vasomotion

TUPONE D, CERRI M, AMICI R, DENTICO D,
LAUDADIO S, LUPPI M, MARTELLI D, MASTROTTO
M, PEREZ E, ZAMBONI G

P172

**Prion protein involvement in cell copper transport
through the endocytic pathway**

URSO E, RIZZELLO A, ACIERNO R, DANIELI A, MAFFIA M

P173

**Frontal attentional responses to food size are abnormal
in obese subjects: an electroencephalographic study**

VALENZANO A, BABILONI C, DEL PERCIO C,
MARZANO N, DE ROSAS M, PETITO AM, BELLOMO
A, ROSSI G, LECCE B, MUNDI C, LIZIO R, EUSEBI F,
CIBELLI G

P174

**Modulation of Interpositus neurons by limb velocity
during rat's passive movement**

VALLE MS, CASABONA A, BOSCO G, GARIFOLI A,
PERCIAVALLE V, COCO M, PERCIAVALLE V

P175

**High altitude exercise: correlation between serum
antioxidant defense system and anthropometrics
profile**

VERRATTI V, BUCCIARELLI T, DORIA C, MIRABILIO
A, AMICARELLI F, FALONE S

P176

**Physiological effects of hypoxia on quality of nocturnal
erections**

VERRATTI V, PAOLI A, CACCHIO M, DI GIULIO C

P177

**Macrophage inflammatory protein-3 α promotes
proliferation and migration of breast cells in primary
culture**

VETRUGNO C, CALABRISO N, STORELLI C, MANCA
C, MARSIGLIANTE S, MUSCELLA A

P178

**Cortical spreading depression induces the expression
of p-AMPK in neurons**

VIGGIANO E, VIGGIANO AL, MONDA M, VIGGIANO

- AN, DE LUCA B
P179 **The effect of glycosaminoglycans (GAGs) on amyloid cytotoxicity**
VILASI S, SARCINA R, IRACE G, SIRANGELO I
- P180 **Non alcoholic fatty liver and insulin resistance in obese Naples people: a preliminary study**
VIOLA A, NASTI G, GARGIULO G, MARESCA I, FARINA C, PARENTE A, COLANTUONI A
- P181 **Temporal expectancy and not refractoriness explains the repetition suppression of laser-evoked potentials (LEPs)**
WANG AL, MOURAUX A, LIANG M, IANNETTI GD
- P182 **Dynamic analysis of SA nodal cells action potential sequences and their autonomic modulation by means of a newly developed software**
ZANIBONI M, CACCIANI F, LUX RL
- P183 **Defective dopaminergic control of contractility in colon from hypoxanthine-guanine phosphoribosyltransferase deficient (HPRT⁻) knockout mice**
ZIZZO MG, FRINCHI M, DI LIBERTO V, MUDO' G, CONDORELLI DF, JINNAH HA, MULE' F, BELLUARDO N, SERIO R
- P184 **Adenosine is a modulator of the contractility of the duodenal longitudinal muscle in mice**
ZIZZO MG, LENTINI L, MULÈ F, SERIO R
- P185 **The low-frequency fluctuations of blood pressure are not buffered by those of heart period during sleep: a pilot study with fixed-rate atrial pacing in rats**
ZOCOLI G, BASTIANINI S, BERTEOTTI C, FRANZINI C, LENZI P, LO MARTIRE V, SILVANI A

15.00 - 16.00 **Lettura plenaria - Aula Magna**

Chair: Fabio Benfenati

“Body and mind of a humanoid robot: where technology meets physiology”

Prof. Giulio Sandini

(Università di Genova)

16.00 - 16.30 **Coffee break**

16.30 - 18.30 **ASSEMBLEA SIF**

20.30 **Cena Sociale**