



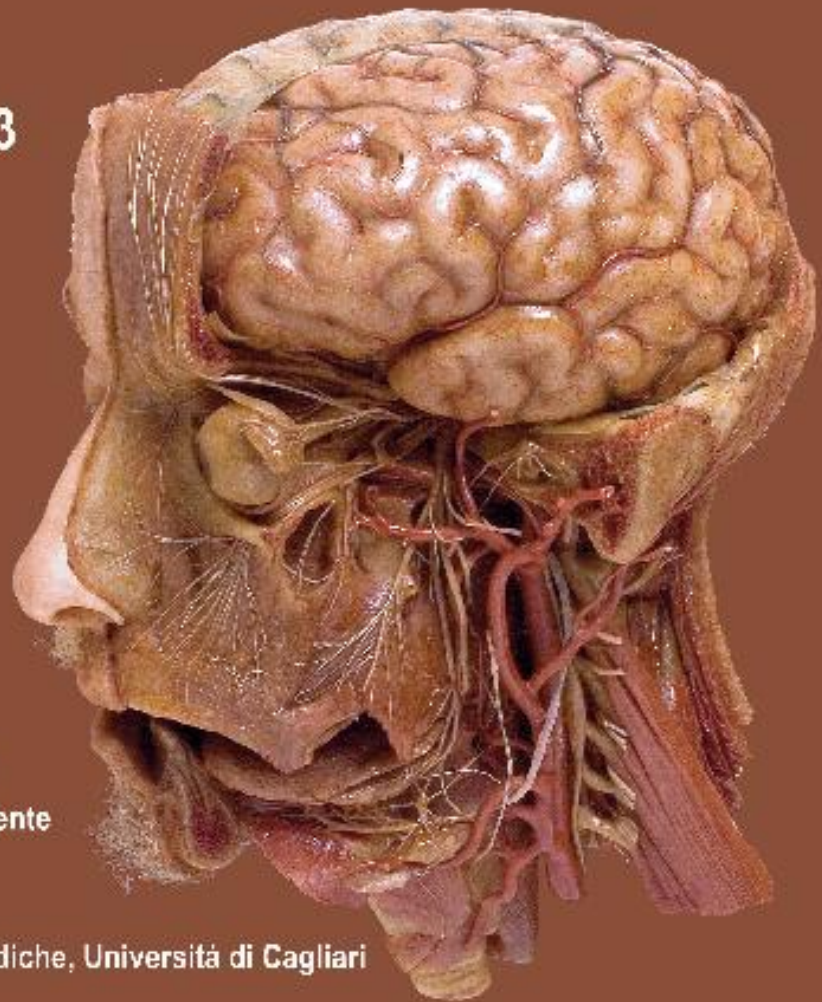
XXIII CONVEGNO NAZIONALE DEL GRUPPO ITALIANO PER LO STUDIO DELLA NEUROMORFOLOGIA (G.I.S.N.)

Cagliari

22-23 novembre 2013



**Aula Magna
Palazzo Belgrano
Via Università, 40**



Comitato organizzatore:

Prof. Marina Del Fiacco, Presidente

Prof. Marina Quartu

Dott. Maria Pina Serra

Dipartimento di Scienze Biomediche, Università di Cagliari

Segreteria organizzativa:

Dott. Daniele Tomassoni

Scuola di Bioscienze e Biotecnologie, Università di Camerino

Con il patrocinio e il supporto di:



PROGRAMMA

Venerdì 22 Novembre 2013

10: 30 – 10:45 APERTURA DEL CONGRESSO

Presidente del G.I.S.N. e Presidente del Convegno, Prof. ssa Marina Del Fiacco
Segretario Generale del G.I.S.N., Prof. Alessandro Vercelli

10:45 – 12:00 SESSIONE I: NEUROPLASTICITÀ E SVILUPPO

Moderatori: Proff D. Zaccheo, R. Pellitteri

- EXPRESSION ANALYSIS OF PLURIPOTENCY-ASSOCIATED GENES IN HUMAN FETAL CORTICAL AND STRIATAL NEURAL STEM CELLS DURING DIFFERENTIATION

D.Massa¹, R.Pillai¹, E. Monni², Z. Kokaia², A.Diana¹

¹Dept. Biomedical Sciences, Section Cytomorphology, Lab. Neurogenesis and Neurogenesis, University of Cagliari, Monserrato, Italy; ²Lund Stem Cell Center, Lab. Stem Cells and Restorative Neurology, University of Lund, Lund, Sweden

- IMMUNOHISTOCHEMICAL STUDY ON THE EFFECTS OF MORPHINE ON ERK PHOSPHORYLATION IN THE NUCLEUS ACCUMBENS

M. Rosas¹, E. Acquas^{1,2,3}

¹Dept. of Life and Environmental Sciences - Pharmaceutical, Pharmacological and Nutraceutical Sciences Section; ²Centre of Excellence on Neurobiology of Addiction and ³National Institute of Neuroscience - INN, University of Cagliari, Cagliari, Italy

- CHANGES ON NEURONAL PLASTICITY IN PHYSIOLOGICAL (POSTPARTUM) AND STRESSED CONDITIONS

M.C. Mostallino¹, P.P. Secci², V.M. Melis², G. Biggio^{1,2}

¹Institute of Neuroscience, National Research Council (CNR), Cagliari; ²Dept. of Life and Environmental Sciences, Section of Neuroscience, University of Cagliari, Cagliari, Italy

- PHENOTIPIC CHARACTERIZATION AND NEURAL PLASTICITY OF OLFACTORY ENSHEATHING CELLS

R. Pellitteri¹, P. Bossolasco², L. Cova², V. Silani^{2,3}, D. Zaccheo⁴

¹Inst. of Neurological Sciences, CNR, Section of Catania, Catania; ²Dept. Neurology and Laboratory of Neuroscience, IRCCS Istituto Auxologico Italiano, Milan, ³Dept. Pathophysiology and Transplantation - "Dino Ferrari" Centre, Università degli Studi di Milano, Milan; ⁴Dept. Experimental Medicine, section of Human Anatomy, University of Genoa, Genoa, Italy

- EVIDENCE OF DIFFERENTIAL EXPRESSION RELATED TO THYROSINE HYDROXILASE GENES IN CHICK (GALLUS GALLUS) BRAIN STEM DURING EMBRYO DEVELOPMENT

A. Barca, A. Fonzino, A. Romano, T. Verri, F. De Nuccio, G. Nicolardi, D.D. Lofrumento

Dept. of Biological and Environmental Sciences and Technologies – Di.S.Te.B.A., University of Salento, Lecce, Italy

12:00 -12:30 I GRUPPI DI RICERCA DEL G.I.S.N.

In memoriam della Prof. Maria Luisa Lucchi

Moderatore: Prof. Gian-Luca Ferri

A TRANSLATIONAL NEUROGASTROENTEROLOGY LAB: FROM CLINICAL TO SCIENCE...AND BACK

Prof. Roberto De Giorgio

Dept. of Medical and Surgical Sciences / Digestive Diseases and Internal Medicine, University of Bologna and St. Orsola-Malpighi Hospital, Bologna, Italy

12:30 -13:15 NEUROMORFOLOGIA E INNOVAZIONE

Moderatore: Prof. Marina Del Fiacco

BRAIN IMAGING: FROM MORPHOLOGY TO FUNCTIONAL CONNECTIVITY:

THE ROLE OF MAGNETIC RESONANCE

L. Barberini¹, M. Frascini², M. Puligheddu¹, F. Marrosu¹

¹Dept. of Public Health, Molecular and Clinical Medicine, University of Cagliari, Cagliari; ²Dept. of Electrical and Electronic Engineering, University of Cagliari, Cagliari, Italy

13:30 -14:30 NEUROSCIENZE A COLAZIONE

Moderatori: Proff A.M. Liscia, S. Geuna, V. Sogos, O. Giorgi

Tema 1: SENSIBILITÀ CHIMICA

- PALPAL RECEPTORS OF THE OLIVE FLY *BACTROCERA OLEAE* PLAY A KEY ROLE IN FORAGING BEHAVIOR AND HOST FINDING

A. Liscia¹, P. Sacchetti², M.D. Setzu³, S. Poddighe³, F. De Rose¹, A. Belcari²

¹Dept. of Life and Environmental Sciences, Section of Neurosciences, University of Cagliari, University Campus Monserrato (CA); ² Dept. of Agrifood Production and Environmental Sciences, Section of Plant Protection, University of Florence; ³Dept. of Biomedical Sciences, University of Cagliari, University Campus Monserrato (CA) Italy

- *PAPILIO HOSPITON* LARVAE DISCRIMINATE BITTER AND SWEET STIMULI BY THE “LABELED LINES” CODING MODALITY

G. Sollai, I. Tomassini Barbarossa, C. Masala, P. Solari, R. Crnjar

Dept. of Biomedical Sciences, Section of Physiology, University of Cagliari, Italy

Tema 2: NEUROPATIA PERIFERICA E RIPARAZIONE

- STUDY OF THE CALCITONIN GENE-RELATED PEPTIDE-POSITIVE INTRAEPIDERMAL NERVE FIBERS IN A RAT MODEL OF BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY

M.Boi¹, M.Quartu¹, M.P.Serra¹, L.Poddighe¹, T.Melis¹, C.Picci¹, M.Del Fiacco¹, C.Meregalli², A.Canta², A.Chiorazzi², B.Sala², N.Oggioni², G.Cavaletti², V.Carozzi²

¹Dept. of Biomedical Sciences, University of Cagliari, 09042 Monserrato, Italy; ²Dept. of Surgery and Interdisciplinary Medicine, University of Milan-Bicocca, Monza (MB), Italy

- IMIDAZOLINE RECEPTOR 2 IS AN EFFECTIVE TARGET FOR NEUROPATHIC PAIN IN A MURINE MODEL OF BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY

V.A. Carozzi¹, C. Meregalli¹, A. Canta¹, A. Chiorazzi¹, B. Sala¹, N. Oggioni¹, M. Lanza², M. Quartu³, M.P. Serra³, L. Poddighe³, C. Picci³, M. Boi³, T. Melis³, M. Del Fiacco³, G. Caselli², G. Cavaletti¹

¹ Dept. of Surgery and Interdisciplinary Medicine, University of Milan-Bicocca, Monza (MB); ² Pharmacology and Toxicology Department, Rottapharm Madaus Research Center, Monza (MB); ³ Dept. of Biomedical Sciences, Section of Cytomorphology, University of Cagliari, Monserrato (CA), Italy

- EXPRESSION OF TRPV1 AND CGRP IN SPINAL PRIMARY AFFERENT NEURONS IN A RAT MODEL OF BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY TREATED WITH ANALGESICS

L. Poddighe¹, M. Quartu¹, M.P. Serra¹, M. Boi¹, T. Melis¹, C. Picci¹, M. Del Fiacco¹, C. Meregalli², A. Canta², A. Chiorazzi², B. Sala², N. Oggioni², G. Cavaletti², V. Carozzi²

¹Dept. of Biomedical Sciences, University of Cagliari, 09042 Monserrato, Italy; ²Dept. of Surgery and Interdisciplinary Medicine, University of Milan-Bicocca, Monza, Italy

- PERIPHERAL NERVE REGENERATION: A COMPARATIVE LIGHT – ELECTRON MICROSCOPIC STUDY

S. Geuna¹, R. Giulia¹, S. B. Jager², C.B. Vaegter², S. Raimondo¹, M.G. Robecchi¹

¹Dept. of Clinical and Biological Sciences, University of Turin, Orbassano (TO), Italy; Neuroscience Institute of the “Cavaliere Ottolenghi” Foundation (NICO), University of Turin, Orbassano (TO), Italy; ²The Lundbeck Foundation Research Center MIND, Dept. of Medical Biochemistry, Aarhus University, Denmark

Tema 3: NEUROINFIAMMAZIONE E NEUROPROTEZIONE

- EFFECTS OF *WITHANIA SOMNIFERA* EXTRACT ON PAIN BEHAVIOUR AND SPINAL CORD C-FOS EXPRESSION AFTER FORMALIN-INDUCED NOCICEPTION IN MICE

M.A. Casu¹, A. Orrù¹, G. Casu¹, S. Tambaro², G. Marchese¹, S. Rui^{*1}

¹CNR, Institute of Translational Pharmacology, UOS of Cagliari, Scientific and Technological Park of Sardinia ‘POLARIS’, Loc. Piscinamanna, Pula, Cagliari; ²Neuroscienze Pharmaness Scientific and Technological Park of Sardinia ‘POLARIS’, Loc. Piscinamanna, Pula, Cagliari, Italy

- DOWN-REGULATION OF INFLAMMATORY MARKERS BY CONJUGATED LINOLEIC ACID (CLA) ISOMERS IN HUMAN CULTURED ASTROCYTES

R. Pillai, F. Saba, A. Sirigu, L. Cordeddu, G. Carta, E. Murru, S. Banni, V. Sogos

Dept. of Biomedical Sciences, Section of Cytomorphology, University of Cagliari, Italy

-PROTECTIVE EFFECT OF CHOLINE ALPHOSCERATE ON INFLAMMATORY MARKERS IN CEREBROVASCULAR MORPHOLOGY OF SPONTANEOUSLY HYPERTENSIVE RATS

S.K. Tayebati¹, D. Tomassoni², I.E. Nwankwo¹, F. Amenta¹

¹*School of Medicinal Sciences and Health Products and* ²*School of Biosciences and Biotechnology, University of Camerino, Camerino, Italy*

- ALLOGRAFT TRANSPLANTATION OF GANGLIONIC EMINENCE EMBRYONIC STEM CELLS IN A RAT MODEL OF HUNTINGTON'S DISEASE

M. Tropicano, M. Boido, A. Vercelli

Neuroscience Institute Cavalieri Ottolenghi (NICO), Dept. of Neuroscience, University of Turin, Regione Gonzole 10, 10043 Orbassano (Italy)

Tema 4: NEUROPLASTICITÀ

- CONDITIONED MEDIUM OF OLFACTORY ENSHEATHING OR NEUROBLASTOMA B104 CELLS PROMOTES DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS FROM ADIPOSE TISSUE TOWARD A NEURAL PHENOTYPE

R. Pellitteri¹, D. Lo Furno², A. Graziano², R. Giuffrida², C. Venera²

¹*Institute of Neurological Sciences, National Research Council, Section of Catania;* ²*Dept of Bio-medical Sciences, Section Physiology, University of Catania, Italy*

- CYTO-ARCHITECTURE OF PRE-LIMBIC CORTEX IN AN ANIMAL MODEL OF SCHIZOPHRENIA

G. Casu^{1,2}, M. A. Casu¹, S. Marcello^{1,2}, A. Pilleri^{1,2}, G. Manca^{1,2}, E. Musu³, G. Marchese¹

¹*Institute of Translational Pharmacology, UOS of Cagliari, National Research Council;* ²*Neuroscienze-Pharmaness Scarl;* ³*Telemicroscopy Lab, Sardegna Ricerche/CRS4 - Scientific and Technological Park of Sardinia 'POLARIS', Loc. Piscinamanna, Pula, Cagliari, Italy*

- DIFFERENTIAL EFFECTS OF ACUTE COCAINE ON ERK PHOSPHORYLATION IN THE LIMBIC SYSTEM OF PSYCHOGENETICALLY SELECTED ROMAN HIGH- AND LOW-AVOIDANCE RATS

M.A.Piludu¹, M. Rosas^{1,2,3}, M. Sabariego¹, V. Giugliano^{1,2,3}, O. Giorgi^a, E. Acquas^{1,2,3}

¹*Dept. of Life and Environmental Sciences, University of Cagliari;* ²*Centre of Excellence for the Neurobiology of Addiction, University of Cagliari;* ³*CNR Institute of Neuroscience, Cagliari, Italy*

- STRUCTURAL SYNAPTIC REARRANGEMENTS IN ACCUMBAL SHELL SPINY NEURONS DURING ETHANOL WITHDRAWAL

F. Piras¹, G. Mulas¹, M. Diana², S. Spiga¹

¹*Dept. of Life and Environmental Sciences, University of Cagliari, Cagliari;* ²*"G.Minardi" Laboratory of Cognitive Neuroscience, University of Sassari, Sassari, Italy*

14:30 – 15:30 SESSIONE II: STUDI SPERIMENTALI SULLA MALATTIA DI PARKINSON

Moderatori: Proff M. Bentivoglio, S.K. Tayebati

- DROSOPHILA MODEL FOR PARKINSON'S DISEASE: FUNCTION, ANATOMY AND SCREENING WITH PHYTOTERAPICS FROM SARDINIAN AND INDIAN FLORA (WITHANIA SOMNIFERA AND MUCUNA PRURIENS)

S. Poddighe¹, F. De Rose², M.D. Setzu¹, P. Solla³, R. Marotta⁴, R. Ruffilli⁴, E. Acquas², S. Kasture⁵, F. Marrosu³, A. Liscia²

¹*Dept. of Biomedical Sciences, University of Cagliari, Cagliari;* ²*Dept. of Life and Environmental Sciences, University of Cagliari, Cagliari;* ³*Dept. of Public Health, Clinical and Molecular Medicine, University of Cagliari, Cagliari;* ⁴*Nanobiotech Facility, Italian Institute of Technology, Genova, Italy;* ⁵*Sanjivani College of Pharmaceutical Education & Research, Ahmednagar, Kopargaon, India*

- SELECTIVE CHANGES IN DENDRITIC SPINES OF STRIATAL MEDIUM SPINY NEURONS IN A CHRONIC MOUSE MODEL OF PARKINSON'S DISEASE

C. Mura¹, G. Mulas¹, A. Piga¹, R. Podda¹, A. R. Carta², D. Lecca², S. Spiga¹

¹*Dept. of Life and Environmental Sciences, University of Cagliari, Cagliari;* ²*Dept. of Biomedical Sciences, University of Cagliari, Cagliari; Italy*

- EFFECT OF THE SEROTONIN PRECURSOR, 5-HYDROXYTRYPTOPHAN, ON L-DOPA-INDUCED DYSKINESIA IN PARKINSONIAN RATS

E. Tronci, C. Lisci, R. Stancampiano, F. Camino, P. Devoto, M. Collu, M. Carta

Dept. of Biomedical Sciences, University of Cagliari, Cagliari, Italy

- INVESTIGATION OF THE ANTIDYSKINETIC EFFECT OF MEMANTINE IN THE RAT PARKINSON'S DISEASE MODEL

C. Fidalgo, E. Tronci, C. Lisci, M. Collu, R. Stancampiano, M. Carta

Dept. of Biomedical Sciences, Cagliari University, Cagliari, Italy

15:30 – 16:15 LETTURA MAGISTRALE

Moderatore: Prof. M. Del Fiacco

THE NEUROCHEMISTRY OF TOUCH RECEPTORS

Prof. Gary Lewin

*Molecular Physiology of Somatic Sensation Group, Max Delbrück Center for Molecular
Medicine, Berlin, Germany*

16:30 - 17:15 Coffee Break

16:30 - 17:15 SESSIONE III: SISTEMI SENSITIVI

Moderatori: Proff I. Tomassini-Barbarossa, R. Crnjar

- MORPHO-FUNCTIONAL CHARACTERIZATION OF TASTE NEURONS IN LABELLAR APPARATUS IN THE MEDFLY *Ceratitis capitata* (Wied.)

C. Masala¹, F. Loy², P. Solari¹, G. Sollai¹, P. Muroi¹, R. Crnjar¹

¹Dept. of Biomedical Sciences, Section of Physiology, University of Cagliari, Monserrato (CA); ²Dept. of Biomedical Sciences, Section of Cytomorphology, University of Cagliari, Monserrato (CA), Italy

- MORPHO-FUNCTIONAL ANALYSIS OF INDIVIDUAL DIFFERENCES OF PROP BITTER TASTE PERCEPTION

M. Melis¹, P. Muroi¹, T. Cabras², I. Messina², R. Crnjar¹, I. Tomassini Barbarossa¹

¹Dept. of Biomedical Sciences, University of Cagliari, Cagliari; ²Dept. of Life and Environmental Sciences, University of Cagliari, Cagliari, Italy

- LOCUS K: A NOVEL TERRITORY OF THE HUMAN DORSAL COLUMN NUCLEI

M.P. Serra, M. Quartu, M. Boi, L. Poddighe, C. Picci, T. Melis, M. Del Fiacco

Dept. of Biomedical Sciences, Section of Cytomorphology, University of Cagliari, 09042 Monserrato, Italy

17:15 - 18:45 SESSIONE IV: NEUROPATHOLOGIA – TESSUTO UMANO E MODELLI ANIMALI

Moderatori: Proff G. Ambrosi, R. De Giorgio

- NEUROPATHOLOGICAL ANALYSIS AND CLINICAL CORRELATES OF CHRONIC CONSTIPATION IN PATIENTS WITH PARKINSON'S DISEASE

F. Giancola^{1,2}, C. Sorteni¹, F. Torresan², M. Guarino³, G. Barbara², C. Cremon², E. Boschetti², R. Latorre², R. Chiocchetti¹, C. Vallorani¹, P. Clavenzani¹, P. Cortelli⁴, V. Stanghellini², C. Sternini⁵, R. De Giorgio²

¹Dept. of Veterinary Medical Science, University of Bologna, Bologna; ²Dept. of Medical and Surgical Sciences / Digestive Diseases and Internal Medicine, University of Bologna and St.Orsola-Malpighi Hospital, Bologna; ³Neurology Unit, Dept. of Internal Medicine, Aging and Nephrology, Sant'Orsola-Malpighi Hospital, Bologna; ⁴Dept. of Biomedical and Neuromotor Sciences, University of Bologna, Bologna, Italy; ⁵CURE/Digestive Diseases Research Center, Division of Digestive Diseases, Dept. of Medicine and Neurobiology, David Geffen School of Medicine, University of California at Los Angeles, Los Angeles, California, USA

- STRESS GRANULE ASSEMBLY IN CULTURED FIBROBLAST FROM TDP-43 MUTANT ALS PATIENTS

P. Coni¹, C. Brancia¹, A. Floris², I. Bellini², S. Orrù², V. Sogos¹

¹Dept. of Biomedical Sciences, University of Cagliari, 09042; ²Medical Genetics, Dept. of Medical Sciences, University of Cagliari, Italy

- BRAIN AND CERVICAL LYMPH NODE DENDRITIC CELLS DURING CENTRAL NERVOUS SYSTEM INFECTION

C. Laperchia¹, G. Grassi-Zucconi¹, A. Andrioli¹, N. Van Reet², F. Florenzano³, P. Büscher², M. Buffelli¹, M. Bentivoglio¹

¹Dept. of Neurological and Movement Sciences, University of Verona, Verona, Italy; ²Institute of Tropical Medicine, Antwerp, Belgium; ³European Brain Research Institute (EBRI), Rome, Italy

- ROLE OF NG2 ON STRUCTURAL MODULATION OF BBB-ENDOTHELIAL TIGHT JUNCTIONS DURING DEVELOPMENT AND IN A MURINE MODEL OF EAE

M. Errede¹, G. Ferrara², M. Rizzi¹, F. Girolamo¹, L. Roncali¹, D. Virgintino¹

¹Dept. of Basic Medical Sciences, Neurosciences and Sensory Organs, University of Bari School of Medicine, Bari; ²Dept. of Neurosciences Ophthalmology, Genetics, Rehabilitation and Child Health, University of Genoa, Genoa, Italy

- ISOFORMS OF NG2/CSPG4 PROTEOGLYCAN ARE EXPRESSED IN HUMAN FETAL BRAIN AND GLIOBLASTOMA

D. Virgintino¹, F. Girolamo¹, M. Rizzi¹, A. Dallatomasina², M. Errede¹, T. Wälchli³, K. Frei³, R. Perris³, L. Roncali¹

¹Dept. of Basic Medical Sciences, Neurosciences and Sensory Organs, University of Bari School of Medicine, Bari; ²COMT – Centre for Molecular and Translational Oncology & Dept. of Biosciences, University of Parma, Parma, Italy; ³Dept. of Neurosurgery, University Hospital Zurich, CH-8091 Zurich, Switzerland

- THE ISOTROPIC FRACTIONATOR AS A TOOL FOR QUANTITATIVE ANALYSIS IN CNS DISEASE

I.E. Repetto¹, R. Monti¹, R. Lent², C.H. Andrade-Moraes², A. Vercelli¹

¹Neuroscience Institute Cavalieri Ottolenghi (NICO), University of Turin, Turin, Italy; ²Institute of Biomedical Sciences, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

**18:45 - 19:00 APERITIVO FILOSOFICO
HAPPY HOUR WITH THE STRULDBRUGGS**

Prof. Marina Bentivoglio

Dept. of Neurological and Movement Sciences, University of Verona, Verona, Italy

19:15 - 20:00 ASSEMBLEA DEI SOCI DEL G.I.S.N.

20:30 CENA SOCIALE

Sabato 23 Novembre 2013

8:30 – 10:00 SESSIONE V: NEURODEGENERAZIONE, NEUROPROTEZIONE, NEUROMODULAZIONE

Moderatori: Proff. D. Virgintino, A. Vercelli

- EXPRESSION OF AUGMENTER OF LIVER REGENERATION (ALR) IN THE CEREBELLAR CORTEX OF ADULT RATS UNDER NORMAL AND EXPERIMENTAL CONDITIONS

L. Lorusso, P. Flace, G. Ciccimarra, G. Laiso, A. Rizzi, R. Cagiano, G. Ambrosi, V. Benagiano

Dept. of Basic Medical Sciences, Neurosciences and Sensory Organs, University of Bari 'Aldo Moro', Bari, Italy

- DNA METHYLATION OF BDNF GENE INDUCED BY ETHANOL

G. Floris, P. Follesa

Dept. of Life and Environmental Sciences, University of Cagliari, 09042 Monserrato, Italy

- INFLUENCE OF EXTERNAL FACTOR AND AGE ON NEUROINFLAMMATION AND NEURODEGENERATION INDUCED BY 3,4 METHYLENEDIOXYMETHAMPHETAMINE (MDMA)

L. Frau¹, P.F. Porceddu¹, M. Morelli^{1,2,3}

¹Dept. of Biomedical Sciences, University of Cagliari, Cagliari; ²CNR Institute of Neuroscience, Cagliari, Italy; ³Centre of Excellence for Neurobiology of Dependence, Cagliari, Italy

- MANIPULATING THE AGRIN/NEUROTROPYIN SYSTEM IMPROVES MUSCLE TROPHISM IN SMA

M. Boido¹, E. De Amicis¹, S. Hettwer², R. Fariello², A. Vercelli¹

¹Neuroscience Institute Cavalieri Ottolenghi, Università di Torino, TO; ²Neurotune AG Wagistrasse 27° CH-8952 Schlieren (ZH)

- DIETARY ESSENTIAL OIL COMPONENTS IN THE PREVENTION OF ISCHEMIA/REPERFUSION-INDUCED TISSUE DAMAGE IN THE RAT CEREBRAL CORTEX

T. Melis, M.P. Serra, M. Boi, L. Poddighe, C. Picci, M. Del Fiacco, G. Carta, E. Murrù, S. Lisai, A.R. Sirigu, M. Collu, S. Banni, M. Quartu

Dept. of Biomedical Sciences, University of Cagliari, 09042 Monserrato, Italy

-VGF PEPTIDES AND PERIPHERAL ACTIVATION OF ENERGY EXPENDITURE

F. D'Amato, C. Cocco, B. Noli, R. Pilleri, G.L. Ferri

Dept. of Biomedical Science, Cagliari University, 09043 Monserrato, Italy

10:00 -10:45 LETTURA MAGISTRALE

Moderatore: Prof. M. Quartu

NEUROPROTECTION IN NEUROTRAUMA: NOT LOST IN TRANSLATION?

Prof. Adina Michael-Titus

Centre for Neuroscience and Trauma, Blizard Institute, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, 4 Newark Street, Whitechapel, London E1 2AT, United Kingdom

10:45 - 11:00 Coffee Break

11:00 – 12:00 SESSIONE VI: LESIONE, PREVENZIONE E RIPARAZIONE DEL TESSUTO NERVOSO

Moderatori: Proff S. Geuna, F. Amenta

- EFFECTS OF SYSTEMIC DELIVERY OF TWO DIFFERENT DRUGS, METHYLPREDNISOLONE SODIUM SUCCINATE (MPSS) AND ROLIPRAM, AFTER ACUTE SPINAL CORD CONTUSION

S. Raimondo¹, G. Ronchi¹, S. Geuna¹, L. M. Costa², J.E. Pereira², E. Nikulina³, M.T. Filbin³, A.S.P. Varejão²

¹Neuroscience Institute of the Cavalieri Ottolenghi Foundation and Department of Clinical and Biological Sciences, University of Turin, Turin, Italy, ²Department of Veterinary Sciences, University of Trás-os-Montes e Alto Douro, CECA, CITAB, Vila Real, Portugal; ³Biology Department, Hunter College, New York, New York 10065, USA

- THIOCTIC ACID ENANTIOMERS PREVENT OXIDATIVE STRESS ON SPINAL CORD LESIONS CONSEQUENT TO PERIPHERAL NERVE INJURY

D. Tomassoni¹, L. Di Cesare Mannelli², N.E. Innocent³, C. Ghelardini², S.K. Tayebati³, F. Amenta³

¹School of Bioscience and Biotechnology, University of Camerino, Camerino; ²Dept. of Clinical and Preclinical Pharmacology, University of Florence; Florence; ³School of Medicinal and Health Products Sciences, University of Camerino, Camerino, Italy

- IN VITRO STUDIES ON BIOMATERIALS: PERSPECTIVE OF THEIR EMPLOYMENT IN PROMOTING PERIPHERAL NERVE REGENERATION

F. Fregnan^{1,2}, S. Raimondo^{1,2}, E. Ciglieri^{1,2}; D. Pascal¹; I. Perroteau¹; G. Gambarotta¹; S. Geuna^{1,2}

¹Dept. of Clinical and Biological Science, University of Turin, Orbassano (TO); ²Neuroscience Institute of the "Cavalieri Ottolenghi" Foundation (NICO), University of Turin, Orbassano (TO), Italy

- TUBULIZATION TECHNIQUES FOR PERIPHERAL NERVES REPAIR

G. Ronchi¹, S. Raimondo¹, S. Bompasso¹, I. Ridolfi¹, P. Tos², M.G. Giacobini-Robecchi¹, B. Battiston², S. Geuna¹

¹Dept. of Clinical and Biological Sciences, University of Torino, San Luigi Gonzaga Hospital, Orbassano, Torino; ²Reconstructive Microsurgery Division, C.T.O. Hospital, Torino, Italy

12:30 - 13:30 STORIA DELLA NEUROMORFOLOGIA

VISITA GUIDATA AL "Museo delle Cere Anatomiche Clemente Susini"

ART AND ANATOMY IN THE WAXES OF SUSINI-BOI AT THE UNIVERSITY OF CAGLIARI

Prof. Alessandro Riva

Museum of Anatomical Waxes and Dept. of Biomedical Sciences, University of Cagliari, Italy

13:30

CHIUSURA DEL CONVEGNO

Proff Marina Del Fiacco, Alessandro Vercelli