1:40 PM Welcome

**Talk Session 1: Neurological Diseases (A-F)**

2:00 PM T00A - Identification of a novel gene for autosomal dominant lateral temporal epilepsy in families without LGI1 mutations

Nobile, Dazzo, Fanciulli, Serioli, Minervini, LICE Genetics Commission Collaborative Group, Chiavegato, Tosatto, Ottman, Michelu

2:20 PM T00B - Imaging Neurotransmitters and Metabolites

Mc Donnell

2:40 PM T00C - AN IN VIVO-GENERATED METABOLITE OF IDEBENONE IS A PROMISING MOLECULE FOR TREATMENT OF LHON

Giorgio, Schiavone, Carini, Da Ros, Prato, Argenton, Petronilli, Bernardi

3:00 PM T00D - Parvalbumin Interneurons activity can promote Focal Seizures in a Mouse Model of Temporal Lobe Epilepsy

Sessolo, Marcon, Losi, Bovetti, Fellin, Carmignoto

3:20 PM T00E - Differences in microRNA expression in Lymphoblasts from suicide completers and non-suicidal subjects with Bipolar Disorder

Niola, Squassina, Lopez, Congiu, Cruceanu, Deiana, Chillotti, Alda, Turecki, Del Zompo
3:40 PM T00F - TUSCANY AGAINST STROKE
Baldereschi, Di Carlo, Piccardi, Inzitari

4:00 PM Coffee Break

**Talk Session 2: Aging and Neurodegeneration (G-K)**

4:20 PM T00G - Transcriptomes at early ages predict longevity and define a crucial role for mitochondrial complex I
Baumgart, Priebe, Groth, Menzel, Pandolfini, Hartmann, Ristow, Englert, Guthke, Platzer, Cellerino

4:40 PM T00H - 3-iodothyronamine rescues β-Amyloid-dependent impairment of long-term potentiation in the entorhinal cortex.
Accorroni, Criscuolo, Sabatini, Donzelli, Saba, Zucchi, Origlia

5:00 PM T00I - MICROGLIA METABOLIZE β-AMYLOID 42 PROTEIN AND PRODUCE A TRUNCATED NEUROTOXIC FRAGMENT
Mazzitelli, Rasile, Phillips, Tamborini, Filipello, Doig, Barran, Wanker, Pozzi, Matteoli

5:20 PM T00J - Prion protein-dependent dysregulation of Ca2+ homeostasis by Alzheimer’s disease-related Ab soluble oligomers
De Mario, Bertoli, Peggion, Sorgato, Massimino

5:40 PM T00K - NCE BETWEEN METALLOPROTEINASES AND TISSUE INHIBITORS OF METALLOPROTEINASES PREDICTS POOR OUTCOME IN ISCHEMIC STROKE PATIENTS TREATED WITH THROMBOLYSIS: RESULTS FROM THE MAGIC STUDY
Piccardi, Di Carlo, Baldereschi, Inzitari

**Plenary Lecture 1:**

6:00-7:00 PM S001 - EVIDENCE OF BRAIN PLASTICITY AND EFFECTS OF EARLY INTERVENTION IN INFANTS WITH NEURODEVELOPMENTAL DISORDERS
Giovanni Cioni

Department of Developmental Neuroscience, IRCCS Stella Maris Foundation and Department of Clinical and Experimental Medicine, University of Pisa

8:00-11:00 PM Social Dinner
Thursday 14th May 2015

**Plenary Lecture 2:**

*9:00-10:00 AM S002 - The signalling endosome axonal retrograde transport pathway: necessity or liability?*

Giampietro Schiavo

*Sobell Department of Motor Neuroscience and Movement Disorders, UCL-Institute of Neurology, University College London, UK*

**Talk Session 3: Plasticity and Development (L-Q)**

*10:00 AM T00L - UNVEILING THE MECHANISM OF ACTION AND SUPERAGONISM OF OXYTOCIN RECEPTORS BIVALENT LIGANDS*

Busnelli, Passoni, Kleinau, Muttenthaler, Stoev, Manning, di Lascio, Braida, Sala, Rovati, Bellini, Chini

*10:20 AM T00M - Early depolarizing GABA controls critical period plasticity in the rat visual cortex*

Allegra, Gabriele, Cerri, Naskar, Bony, Zunino, Bozzi, Cancedda, Caleo

*10:40 AM T00N - Decreased allopregnanolone induced by neonatal estradiol increases a4bd GABAA receptors, stress sensitivity and spatial learning in adult female rats*

Porcu, Locci, Santoru, Berretti, Lallai, Giunti, Dazzi, Concas,

*11:00 AM T00O - Novel murine models of creatine transporter deficiency*

Baroncelli, Alessandrм, Tola, Putignano, Migliore, Amendola, Zonfrillo, Gross, Leuzzi, Cioni, Pizzorusso

*11:20 AM T00P - Role of oligophrenin 1 in circuit formation in the olfactory bulb of a mouse model of X-linked intellectual disability*

Redolfi, Galla, Maset, Savoia, Zamparo, Lodovichi

*11:40 AM T00Q - Synapse and dendrite deficits induced by mutations in the X-linked intellectual disability gene Il1rapl1*

Montani, Gritti, Ramos-Brossier, Billuart, Verpelli, Sala

*Lunch*

**Poster Sessions (A-F) 12:00 - 14:20 PM**

*Session A: Epilepsy and migraine*
A001 - MATERNAL IMMUNE ACTIVATION PROVOKES HIGHER SUSCEPTIBILITY TO EPILEPSY IN THE OFFSPRING
Focchi, Rasile, Antonucci, Menna, Corradini, Matteoli

A002 - ALTERED SENSORY PROCESSING AND DENDRITIC REMODELING IN VISUAL CORTICAL NETWORKS IN A MURINE MODEL OF EPILEPSY
Vannini, Restani, Pietrasanta, Panarese, Mazzoni, Rossetto, Middei, Micera, Caleo

A003 - Altered recovery from inhibitory repetitive transcranial magnetic stimulation (rTMS) in subjects with photosensitive epilepsy
Bocci, Caleo, Restani, Barlascio, Rossi, Maffei, Sartucci

A004 - Focal neocortical epilepsy: multichannel recordings in awake, head-fixed mouse
Panarese, Mazzoni, Vannini, Tosato, Cerri, Micera, Caleo, Restani

A005 - Peroxisome Proliferator-Activated Receptor type alpha as new therapeutic target for epilepsy: a translational study
Muntoni, Melis, Pillulla, Aroni, Sagheddu, Puligheddu, Pistic

A006 - Rapid conversion of skin fibroblasts into functional forebrain GABAergic interneurons by direct genetic reprogramming
Colasante, Lignani, Medrihan, Sessa, Caiazzo, Giannelli, Sacchetti, Gainetdinov, Taverna, Benfenati, Broccoli

A007 - MECHANISMS UNDERLYING THE FACILITATION OF EXPERIMENTAL CORTICAL SPREADING DEPRESSION IN A MOUSE MODEL OF FAMILIAL HEMIPLEGIC MIGRAINE TYPE 2
Capuani, Tottene, Pizzo, Melone, Brigina, Casari, Conti, Pietrobon

A008 - Mechanisms of cortical spreading depression and its facilitation by familial hemiplegic migraine mutations in the CaV2.1 channel
Tottene, Pietrobon

A009 - Exploitation of neural stem cells as possible therapeutic strategy for reduced myelination and increased brain inflammation in Polymicrogyria
Ferrara, Fossati, Zalfa, Antonucci, Ponzoni, Sala, Vescovi, Matteoli and Menna

Session B: Plasticity:

B001 - Time, Number and Attention in Very Low Birth Weight children
Anobile, Tinelli, Cicchini, Arrighi, Gori, Aagten-Murphy, Bartoli, Burr, Cioni, Morrone

B002 - Restoration of vision can also improve sound localization: cross-sensory calibration?
Arrighi, Cicchini, Tinelli, Cinelli, Rizzo, Morrone

B003 - Visual BOLD response in late-blind subjects with Argus II retinal prosthesis

Castaldi, Cicchini, Cinelli, Tosetti, Rizzo, Morrone

B004 - Short-term monocular deprivation modulates early visuo-haptic interactions during binocular rivalry

Lo Verde, Lunghi, Morrone

B005 - Short-term monocular deprivation alters GABA in the adult human visual cortex.

Lunghi, Emir, Morrone, Bridge

B006 - AAV-mediated expression of Neuropilin1-Fc, a secreted receptor that inactivates Semaphorin3A, enhances ocular dominance plasticity in the adult rat visual cortex

Lupori, Boggio, Ehler, Moloney, Mecollari, Fawcett, Verhaagen, Pizzorusso

B007 - MiR-132 deletion prevents maturation of binocular matching of orientation preference in mouse visual cortex

Mazziotti, Tognini, Chelini, Tola, Napoli, Silingardi, Arthur, Baroncelli, Pizzorusso

B008 - Experience-dependent DNA methylation regulates plasticity in the developing visual cortex.

Napoli*, Tognini*, Tola, Silingardi, Della Ragione, D'Esposito, Pizzorusso

B009 - SOMATOSTATIN AND PARVALBUMIN EXPRESSING INTERNEURONS SIGNALING TO ASTROCYTES

Mariotti, Losi, Sessolo, Marcon, Bovetti, Fellin, Carmignoto

B010 - TSPAN5 regulates synapse formation and AMPA receptors recycling.

Moretto, Zapata, Chamma, Hosy, Thoumine, Choquet, Passafaro

B011 - Chronic nicotine exposure and withdrawal affects glutamatergic but not nicotinic receptor expression in the mesocorticolimbic pathway in a region-specific manner

Pistillo, Fasoli, Moretti, Clementi, Zoli*, Marks, Gotti*

B012 - A toolbox for the single molecule imaging of neurotrophins and their receptors in living neuronal cells

Marchetti*, De Nadai*, Bonsignore, Di Rienzo, Calvello, Signore, Viegi, Beltram, Luin, Cattaneo

B013 - Pluripotent Stem Cells as a model of in vitro neurogenesis

Pandolfini, Bertacchi, Terrigno, Cremisi

B014 - DRINKING IN THE DARK: STRONGER URGE FOR ALCOHOL LATE AT NIGHT

Maccioni, Lorrai, Contini, Colombo

B015 - The reward-aversion circuit in cannabinoid WITHDRAWAL
Aroni, Sagheddu, Pistis, Muntoni

B016 - GLIAL MICROVESICLES IN GLIA-TO-NEURON INTERACTION

Riganti, Prada, Gabrielli, Antonucci, Menna, Matteoli, Verderio

Session C: Metabolism and Circadian Rhythms

C001 - Glucose uptake saturation explains Glucose kinetics profiles measured by different tests
Bizzotto, Natali, Gastaldelli, Muscelli, Brehm, Roden, Ferrannini, Mari

C002 - INVESTIGATIONS FOR THE NON-INVASIVE MEASUREMENT OF BLOOD GLUCOSE: IN VITRO EXPERIMENTS IN DIFFERENT SOLUTIONS AT DIFFERENT GLUCOSE CONCENTRATIONS
Sbrignadello, Pacini, Tura

C003 - INDICES OF GLYCEMIC CONTROL AND VARIABILITY FROM SELF-MONITORING OF GLUCOSE IN INSULIN TREATED TYPE 2 DIABETIC PATIENTS WITH AND WITHOUT ADD-ON OF VILDAGLIPTIN
Tura, Farngren, Schweizer, Foley, Pacini, Ahrn

C004 - T WAVE AND QRS COMPLEX ALTERNANS DURING STRESS ECG TESTING IN PATIENTS WITH DIABETE MELLITUS
Bortolan, Christov, Simova

C005 - Monoamine oxidases contribute to mitochondrial ROS formation and cardiac dysfunction in diabetic hearts
Kaludercic, Deshwal, Forkink, Hu, Buonincontri, Murphy, Krieg, Di Lisa

C006 - INCREDIN EFFECT IN TYPE 2 DIABETES IS RELATED TO THE SENSITIVITY TO INCRETINS AND THE DEFECTIVE MODULATION OF THE INCRETIN RESPONSE
Tura, Bagger, Ferrannini, Holst, Knop, Vilsboll, Mari

C007 - INVESTIGATING INSULIN SECRETION LINKING IN VITRO AND IN VIVO STUDIES BY MATHEMATICAL MODELING
Grespan, Giorgino, Mari

C008 - A markov model of sleep architecture to investigate covariate effects and bouts of sleep states
Bizzotto, Zamuner

Session D: Neurodegeneration and Aging 1

D001 - Empowering the microglia function to limit alpha-synuclein spreading in an animal model of Parkinson’s disease
Antico, Peviani, Cecere, Biffi, Broccoli

D002 - MODELLING ALPHA-SYNUCLEIN AGGREGATION IN A CELL SYSTEM
Colla, Liverani, Rota, Cattaneo

D003 - INITIAL COMPARISON OF THE MORPHOLOGICAL CHANGES IN MICROGLIA IN EAE AND THE 6-OHDA PARKINSON MODEL
Di Renzo, Zambusi, Provini, Morara

D004 - Transcription Factor EB is a crucial transducer of the biomedical action of pterostilbene and resveratrol
La Spina, Azzolini, Mattarei, di Benedetto, a Paradisi, Zoratti, Biasotto

D005 - BOOSTING PTEROSTILBENE’S EFFECTS: A PRODRUG APPROACH
Azzolini, Mattarei, La Spina, Zoratti, Paradisi, Biasotto

D006 - MicroRNA mir-29 modulates iron metabolism tolerance during aging.
Ripa, Arcucci, Dolfi, Terrigno, Baumgart, Pandolfini, Mutualipassi, Cellerino

D007 - CIRCADIAN RHYTHMS DISRUPTION INDUCES AGING-LIKE CHANGES IN ADULT NEURONAL STEM CELLS (nSCS) OF NOTHOBRANCHIUS FURZERI
Terzibasi, Tozzini, Dolfi, Cellerino

D008 - Study of the effects of environmental enrichment on declarative memory system consolidation in aged mice
Pinto, Cintoli, Cenni, Berardi

D009 - Altering the balance between NGF and proNGF triggers unexpected (paradoxical) responses in Astrocytes
Carucci, Testa, Rizzi, Fasulo, Galli-Resta, Capsoni, Cattaneo

D010 - New tool to deliver BDNF into the brain: Effects in a murine model of Alzheimer’s disease
Criscuolo, Capsoni, Cattaneo, Domenici

D011 - Towards a Computational Characterization of Amyloid Growth Pathways
Giorgino, De Fabritiis

D012 - Influence of extracellular vesicles released from distinct brain cells on Aβ toxicity and assembly
Joshi, Bergami, Dalla Libera, Benussi, Falker, Giussani, Legname, Ghidoni, Furlan, Matteoli, Verderio

D013 - Entorhinal cortex dysfunction is an early sign of neurodegeneration in the hAPP-j20 Alzheimer’s disease mouse model.
Pagliara, Criscuolo, Middei, ShiDu Yan, Origlia

D014 - Conformational changes of tau quantified by a new intramolecular FRET biosensor
Quercioli, Siano, Viegi, Cattaneo, Di Primio

Session E: Cancer

E001 - Mitochondrial basis of high stress tolerance in a human glioblastoma cell line
Colombaioni

E002 - ACTIVATION OF RHO GTPASES PREVENTS TUMOR GROWTH AND PRESERVES NEURONAL FUNCTIONS IN A MOUSE MODEL OF GLIOMA
Vannini, Olimpico, Costa, Caleo

E003 - NICOTINIC ACETYLCHOLINE RECEPTORS AS POTENTIAL THERAPEUTIC TARGETS IN GLIOMA AND GLIOBLASTOMA CELLS
Fasoli, Mucchietto, Benfante, Maroli, Tamburini, Matteoli, Clementi, Gotti

E004 - Impact of human D398N single nucleotide polymorphism on ERK1/2 activation mediated by a3b4a5 nicotinic acetylcholine receptors
Crespi, Borgese, Gotti*, Colombo*

E005 - Role of nicotinic receptors in cell proliferation and tumour progression in non-small cell lung cancer
Mucchietto, Fasoli, Benfante, Maroli, Cattaneo, Pistillo, Moretti, Clementi, Gotti

Session F: Neurological Disorders

F001 - Neuroanatomical and functional plasticity following motor cortex stroke in mice
Alia, Spalletti, Lai, Panarese, Micera, Caleo

F002 - A combination of robotic training and pharmacological inhibition of the contralesional hemisphere promotes functional recovery following focal motor stroke in mice
Spalletti, Alia, Lai, Panarese, Ghionzoli, Micera, Caleo

F003 - METHODS OF IMPLEMENTATION OF EVIDENCE-BASED STROKE CARE IN EUROPE: THE EIS COLLABORATION
Di Carlo, Baldereschi, Piccardi, Heuschmann, Wolfe, Inzitari

F004 - DISRUPTION OF DOPAMINE NEURON SPONTANEOUS ACTIVITY IN AN INFECTION-BASED RAT MODEL OF SCHIZOPHRENIA
De Felice, Aroni, Muntoni, Frau, Pardu, Devoto, Pistis

F005 - THE CHRNA7 AND ITS DUPLICATE ISOFORM, CHRFAM7A, GENE REGULATION AND EXPRESSION IN NEURONAL AND IMMUNE CELL MODEL

Maroli, Fornasari, Benfante,

**Plenary Lecture 3:**

2:20–3:20 PM S003 - Translational NeuroEngineering: achievements and future perspectives

Silvestro Micera

*Neural Engineering Area, The BioRobotics Institute, Scuola Superiore Sant'Anna, Pisa, Italy*

*Bertarelli Foundation Chair in Translational NeuroEngineering, Center for Neuroprosthetics, Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland*

**Young Researcher Activities**

3:20 PM Y001 - Marco Sansò - The Future in Research

4:20 PM Coffee Break

4:40 -7:00 PM Y002 - Speed Date

7:00 - 7:30 PM Y003 - Begenisic - Body and Mind

8:00 – 10:00 PM Y004 - Sports & Yoga
Friday 15th May 2015

**Plenary Lecture 4:**

9:00–10:00 AM S004 - Taking pain out of NGF: turning the evil into good
Antonino Cattaneo
*Scuola Normale Superiore, BioSNS*

**Talk Session 4: Glioma (R-T)**

10:00 AM T00R - Whole transcriptome analysis in glioblastoma patients: molecular mechanisms related to recurrence free survival (RFS)
Mazzanti

10:20 AM T00S - Effects of Cytotoxic necrotizing factor 1 on a mouse model of glioma: molecular mechanisms and electrophysiological studies
Olimpico, Vannini, Panighini, Caleo, Costa

10:40 AM T00T - Radiations allow CTX-nanovector targeting of infiltrating glioblastoma cells
Tamborini, Locatelli, Rodighiero, Comes Franchini, Passoni, Matteoli

**Talk Session 5: Transcription Factors and Epigenetics (U-Z)**

11:00 AM T00U - The N-terminal domain aggregation and alanine expansion associated with Congenital Central Hypoventilation Syndrome impairs dimerization and homeodomain functions of PHOX2B
Belperio, Di Lascio, Benfante, Fornasari

11:20 AM T00V - Deciphering the epigenetic code of anxiety: role of LSD1 in stress response
Rusconi, Grillo, Ponzoni, Bassani, Toffolo, Paganini, Sala, Battaglioli

11:40 AM T00W - Deciphering the function of the chromatin factor Setd5 causing autism spectrum disorders
Broccoli, Sessa, Andreazzoli, Zippo

*Lunch*

*Poster Sessions (G-J)*
Session G: Neurodegeneration and aging 2

G001 - Designing a clinical trial for Cone–Rod Dystrophies: A retrospective study of inter-eye differences in the natural course of the disease
Galli-Resta, Falsini, Piccardi, Ziccardi, Fadda, Minnella, Marangoni, Placidi, Resta

G002 - CRISPR-Cas9 mediated genome editing applied to in-vivo gene correction of the retina
Giannelli, Broccoli

G003 - Environmental Enrichment reduces photoreceptor degeneration and retinal inflammation in a mouse model of Retinitis Pigmentosa
Guadagni, Novelli, la Ferla, Aretini, Mazzanti, Strettoi

G004 - Pattern of retinal morphological and functional decay in Tvrn4 rhodopsin mutant mice
Novelli, Guadagni, Piano, Gargini, Strettoi

G005 - NEW CELLULAR MODELS TO INVESTIGATE THE ROLE OF MUTANT VAPB IN THE PATHOGENESIS OF ALS
Genevini, Papiani, Navone, Borgese

G006 - LOCAL PERTURBATIONS OF Ca2+ HOMEOSTASIS AS POSSIBLE EARLY MECHANISMS OF fALS PATHOGENESIS
Norante, Massimino, Lorenzon, Lopreiato, Sorgato, Bertoli

G007 - Identification of Molecular Mechanisms Underlying Oligodendrocyte Differentiation
Meraviglia, Ulivi, Valenza, Fratangeli, Lecca, Abbracchio, Rosa

G008 - DEGENERATING NEURONS RELEASE ALARMINS TO PROMOTE PERISYNAPTIC SCHWANN CELLS ACTIVATION
Negro, Duregotti, Scorzeto, Zornetta, Montecucco, Rigoni

G009 - IMPACT OF ER MORPHOLOGICAL ALTERATIONS ON CELLULAR CA2+ HOMEOSTASIS IN HEREDITARY AXONOPATHIES
Pendin, Pozzan

G010 - IMAGING OF PERIPHERAL SCHWANN CELLS ENGULFING AXON TERMINAL DEBRIS DURING DEGENERATION INDUCED BY ANIMAL PRESYNAPTIC NEUROTOXINS
Scorzeto, Duregotti, Negro, Zornetta, Rigoni, Montecucco

G011 - BRAIN ANGIOARCHITECTURE AND INTUSSUSCRIPTIVE MICROVASCULAR GROWTH IN A MURINE MODEL OF KRABBE DISEASE
Righi, Giacomini, Ackermann, Belleri, Coltrini, Nico, Ribatti, Konerding, Presta
Session H: Neurodevelopmental Disorders

H001 - PCDH19 regulates GABAAR surface expression
Bassani, Gerosa, Passafaro

H002 - Identification of neuronal alterations underlying SHANK3 mutations and their rescue by pharmacological therapies in animal models and patients' derived iPS cells
Vicidomini, Schmeisser, Lim, Ponzoni, Culotta, Scalmani, Mantegazza, Sala, Genazz

H003 - The proteolytic cleavage and nuclear function of the EFMR protein protocadherin-19
Gerosa, Rusconi, Battaglioli, Passafaro, Bassani

H004 - REGION SPECIFIC UP-REGULATION OF OXYTOCIN RECEPTORS IN THE OPIOID Oprm1-/- MOUSE MODEL OF AUTISM
Gigliucci, Leonzino, Busnelli, Luchetti, Palladino, D’Amato, Chini

H005 - DISREGULATION OF KCC2 EXPRESSION IN HIPPOCAMPAL NEURONS FROM THE OXTR-/- MOUSE MODEL OF AUTISM
Leonzino, Busnelli, Antonucci, Verderio, Chini

H006 - Dendritic Spine Instability in a Mouse Model of CDKL5 Disorder
Della Sala*, Putignano*, Chelini, Melani, Calcagno, Ratto, Amendola, Gross, Giustetto, Pizzorusso

H007 - A novel interaction involving SHRM4 and GABABRs shapes inhibitory neurotransmission in the brain
Longatti*, Zapata*, Moretto, Hannan, Murru, Mazza, Benedetti, Ponzoni, Braid, Sala, Francolini, Hildebrand, Sala, Bettler, Bassani, Smart, Passaf

H008 - Analysis of neuronal alterations associated to TM4SF2 mutations in KO mice
Murru, Folci, Vezzoli, Moretto, Bassani, Bianchi, D’Adamo, Francolini, Passafaro
H009 - Hippocampal dysregulation of FMRP-mGluR5 signaling pathway in Engrailed-2 knockout mice, a model of autism spectrum disorders
Provenzano, Sgadт, Genovesi, Zunino, Casarosa, Bozzi

H010 - Early environmental therapy rescues brain development in a mouse model of Down Syndrome
Sansevero, Begenisic, Baroncelli, Cioni, Sale

H011 - Children with autism spectrum disorder show reduced adaptation to number
Turi, Burr, Igliozzi, Aagten-Murphy, Muratori, Pellicano

H012 - THREE-DIMENSIONAL STUDY of dendritic spines USING SBFSEM ON NEW ANIMAL MODEL OF INTELLECTUAL DISABILITY: THE TM4SF2 KO MOUSE
Vezzoli, Folci, Murru, Bassani, Passafaro, Falqui, Francolini

H013 - OPHN1 regulates the migration of newly generated cells in the olfactory system.
Maset, Galla, Lodovichi

H014 - LONG-LASTING RESTORATIVE EFFECTS OF EARLY SPECIFIC TRAINING ON MOTOR RECOVERY IN A NOVEL MODEL OF FOCAL CORTICAL STROKE IN DEVELOPING RATS
Gennaro, Mattiello, Gherardini, Cioni, Berardi, Pizzorusso

H015 - Functional and behavioural characterization of a perinatal stroke model in rat
Mattiello, Gennaro, Pizzorusso, Cioni, Berardi

H016 - Inflammation and synaptogenesis: the role of IL-6 in developing neurons
Pozzi, Fossati, Mirabella, Desiato, Menna, Matteoli

H017 - INCREASED GABAERGIC TONE IN ATM DEFICIENT NEURONS
Pizzamiglio, Focchi, Murru, Tamborini, Passafaro, Menna, Matteoli, Antonucci

Session I: Sensory Systems and Cognition

I001 - Use of the novel toxin M2E11R to study the role of α6- nAChRs in visual function.
Barlascio, Cerri, Domenici, Moretti, Gotti, Origlia

I002 - Rhythmic modulation of human visual sensitivity depends on luminance
Benedetto, Burr, Spinelli, Morrone

I003 - Cortical control of the Pupillary Light Response
Binda, Benedetto
I004 - Efficient and Adaptive Coding in Vision
Cicchini, Anobile, Burr

I005 - A SPECIALISED AREA FOR ANALYSIS OF RAPID MOTION IN THE PERIPHERY
Mikellidou, Frijia, Montanaro, Greco, Burr, Morrone

I006 - ASSESSMENT OF AUDITORY AND VISUAL SENSITIVITY BY MEAN OF TARGET TRACKING
Grillini, Arrighi, Cicchini, Burr

I007 - Mechanism of activation and function of the odorant receptor expressed at the axon terminus –
growth cone of olfactory sensory
Zamparo, Franchi, Francia, Lodovichi

I008 - A GENERALIZED SENSE OF NUMBER
Togoli, Arrighi, Burr

Session J: Muscle and Mitochondria

J001 - Time-dependent modulation of mitochondria Ca2+ uptake kinetic
Basso, Rigotto, Pizzo, Pozzan

J002 - cAMP signalling in mitochondria
Di Benedetto, Pisano, Pozzan

J003 - IDENTIFICATION, CHARACTERIZATION AND LOCALIZATION OF Danio rerio CALSEQUESTRINS
Furlan, Mosole, Milanetto, Argenton, Volpe, Nori

J004 - New insights into the regulation of the mitochondrial calcium uniporter
Patron, Granatiero, Checchetto, Szabot, De Stefani, Rizzuto

J005 - EGA LARGELY PREVENTS BoNT/A AND BoNT/B INDUCED NEUROPARALYSIS
Azarnia Tehran, Zanetti, Leka, Caccin, Lista, Binz, Shone, Rossetto, Montecucco, Paradisi, Mattarei, Pirazzini

J006 - TOXIN-INDUCED DEGENERATION OF DISFUNCTIONAL NERVE TERMINALS: CAN THE BAD TURN INTO
THE GOOD?
Duregotti, Zanetti, Pirazzini, Scorzeto, Rigoni, Rossetto, Montecucco

J007 - BOTULINUM NEUROTOXINS: FROM MECHANISM OF ACTION TO THE DISCOVERY OF PAN-INHIBITORS
Pirazzini, Azarnia Tehran, Zanetti, Leka, Caccin, Lista, Binz, Shone, Rossetto, Paradisi, Mattarei, Montecucco
J008 - Neurochemical characterization of BoNT/A-intoxicated central synapses following retrograde transport from the muscle
Restani, Colosimo, Bacarella, Rossetto, Caleo

J009 - BOTULINUM NEUROTOXINS B, F, G, D AND TETANUS NEUROTOXIN ENTRY INTO NERVE TERMINAL
Zanetti, Pirazzini, Azarnia Tehran, Binz, Rossetto, Montecucco

J010 - CHARACTERIZATION OF A NEW SCORPION METALLOPROTEASE
Zornetta, Scorzeto, Caccin, Tonello, Megighian, Rossetto, Montecucco

J011 - Foxg1 localizes to mitochondria and coordinates cell differentiation and bioenergetics.
Pancrazi, Colombaioni, Della Sala, Testa, Olimpico, Di Benedetto, Reyes, Zeviani, Pozzan*, Costa*

J012 - HYDROGEN PEROXIDE IS PRODUCED IN NEURONS FOLLOWING COMPLEMENT-DEPENDENT DAMAGE IN A MODEL OF AUTOIMMUNE NEUROPATHY
Rodella, Yuki, Yanaka, Duregotti, Scorzeto, Negro, Rigoni, Montecucco

J013 - The bioengineered heart: biological and mechanical comparisons of different methods of total organ decellularization
Menabo’, Iop, Dal Sasso, Agrillo, Bagno, Di Lisa, Gerosa

Talk Session 6: Muscle and Mitocondria (X-AB)

2:20 PM T00X - GENERATION AND CHARACTERIZATION OF A NEW MITOCHONDRIA TARGETED CHANNELRHODOPSIN
Greotti, Tkatch, Sekler, Pozzan

2:40 PM T00Y - REDUCED MITOCHONDRIAL Ca2+ TRANSIENTS STIMULATE ORGANELLE TURNOVER THROUGH AUTOPHAGY IN COMPLEX I DEFICIENT FIBROBLASTS CARRYING THE NDS 13514A>G MUTATION
Pallafacchina, Granatiero, Giorgio, Cali, Patron, Brini, Bernardi, Tiranti, Zeviani, De Stefani, Rizzuto

3:00 PM T00Z - ANIMAL PRESYNAPTIC NEUROTOXINS PROVIDE A RELEVANT MODEL OF MOTOR AXON TERMINAL DEGENERATION FOLLOWED BY REGENERATION
Rigoni, Duregotti, Negro, Scorzeto, Zornetta, Dickinson, Chang, Montecucco

3:20 PM T00AA - Mitochondrial impairment in Limb Girdle Muscular Dystrophy 2D: involvement of biogenesis process
De Palma, Pambianco, Morisi, Clementi

3:40 PM T00B - Mitochondrial therapy of a zebrafish model of collagen VI muscular dystrophy with cyclophilin inhibitors
Schiavone