



**National Congress of the  
ITALIAN NEUROSCIENCE SOCIETY**

**October 1-4, 2017**

**Lacco Ameno, Ischia Island - Naples, Italy**

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**POSTER SESSION 1 - OCTOBER 1**

**NEURAL EXCITABILITY, SYNAPSES, AND GLIA: CELLULAR MECHANISMS**

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- 01/01**    **EXPLORING HYBRID NETWORKS MADE BY NEURONS AND PROGENITORS CELLS**  
**Sorbo Teresa**  
Ballerini L.
- 02/01**    **3D TISSUE-SCAFFOLD ENGINEERED BY NANOMATERIALS: MORPHOLOGICAL AND FUNCTIONAL IMPACTS OF GRAPHENE WHEN INTERFACING NEURONAL NETWORKS**  
**Secomandi Nicola**  
Rauti R., Bosi S., Scaini D., Prato M., Vázquez E., Ballerini L.
- 03/01**    **EXTRACELLULAR MATRIX IN THE BRAIN: DAY/NIGHT VARIATIONS?**  
**Azeez Idris Ayodeji**  
Tesoriero C., Scambi I., Mariotti R., Bentivoglio M.
- 04/01**    **THE INNATE IMMUNE MOLECULE PTX3 ENHANCES THE SYNAPTIC CONTENT OF AMPA RECEPTORS VIA EXTRACELLULAR MATRIX REMODELING**  
**Menna Elisabetta**  
Fossati G., Pozzi D., Canzi A., Valentino S., Ghirardini E., Mirabella R., Moretti M., Taraboletti G., Bottazzi B., Gotti G., Garlanda C., Mantovani A., Matteoli M.
- 05/01**    **CHARACTERIZATION OF THE IMMUNOMODULATORY EFFECTS OF DIFFERENTLY PRECONDITIONED MESENCHYMAL STEM CELLS AND THEIR DERIVED EXTRACELLULAR VESICLES IN AN EXPERIMENTAL INFLAMMATORY MODEL**  
**Losurdo Morris**  
Saccomano A., Lonati E., Rizzi L., Molteni L., Elia C., Dander E., Pischiutta F., D'Amico G., Torsello A., Zanier E.R., Matteoli M., Bulbarelli A., Coco S.
- 06/01**    **ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION ENHANCES PRIMARY MOTOR CORTEX PLASTICITY AND FORELIMB SKILLS IN HEALTHY AND STROKED MICE**  
**Barbati Saviana Antonella**  
Cocco S., Longo V., Gironi K., Mainardi M., Podda M.V., Grassi C.



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**07/01 EFFECTS OF CANNABINOIDS IN RAT ORGANOTYPIC HIPPOCAMPAL SLICE CULTURES EXPOSED TO OXYGEN-GLUCOSE DEPRIVATION**

**Landucci Elisa**

Battafarano G., Gerace E., Pellegrini-Giampietro D.,

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**POSTER SESSION 1 - OCTOBER 1  
DISORDERS OF THE NERVOUS SYSTEM**

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**08/01 POLYPHENOLS AND HYDROXYTIROSOL ATTENUATE COGNITIVE DEFICITS AND NEUROPATHOLOGY IN A MOUSE MODEL OF AB DEPOSITION**

**Nardiello Pamela**

Pantano D., Stefani M., Casamenti F.

**09/01 THE UP-REGULATION OF Na<sup>+</sup>/Ca<sup>2+</sup> EXCHANGER NCX3 PREVENTS CALCIUM DISRUPTION IN A TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE**

**Piccialli Ilaria**

Ciccone R., Secondo A., Di Renzo G., Annunziato L., Pannaccione A.

**10/01 MIXTURE ANALYSIS OF AGE AT ONSET IN ALZHEIMER'S DISEASE IN THREE INDEPENDENT SAMPLES: EFFECT OF THE APOE E4 ALLELE EFFECT**

**De Luca Vincenzo**

Maria A. Bicalho M.A., Spalletta G.

**11/01 DESIGN, SYNTHESIS AND PHARMACOLOGICAL CHARACTERIZATION OF A NEW PEPTIDE ABLE TO BLOCK KV3.4 POTASSIUM CHANNELS**

**Ciccone Roselia**

Piccialli I., Grieco P., Merlino F., Di Renzo G., Annunziato L., Pannaccione A.

**12/01 RYANODINE RECEPTOR 2-MEDIATED SYNAPTIC REMODELLING IN COGNITIVE FUNCTIONS**

**Bertan Fabio**

Wischhof L., Bano D., Nicotera P.

**13/01 A 6-STAGE IN VITRO MODEL OF DEVELOPMENT OF MOUSE HIPPOCAMPAL NEURONS TO STUDY BRAIN DISEASES: ROLE OF BDNF AND IF-1 IN MIRTAZAPINE-INDUCED RECOVERY OF NEURONAL ATROPHY IN RETT SYNDROME**



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**Tongiorgi Enrico**

Colliva A., Donegà S., Bittolo T.

- 14/01 EVALUATION OF GLUCOCORTICOIDS EFFECTS ON DENDRITIC SPINE PLASTICITY, NEUROGENESIS AND INFLAMMATION IN 3XTG-AD MICE HIPPOCAMPUS**

**Pedrazzoli Matteo**

Borin M., Antolini M., Marchiotta F., Avesani A., Buffelli M.

- 15/01 mRNA/microRNA IN EXTRACELLULAR VESICLES IN ALS AND AD PATIENTS ARE RECOGNIZED IN DIFFERENT SIGNATURES AND PATHWAYS**

**Sproviero Daisy**

La Salvia S., Arigoni M., Zucca S., Giannini M., Bordoni M., Gagliardi S., Pansarasa O., Costa A., Ceroni M. Calogero R., Cereda C.

- 16/01 RAPID AND SUSTAINED SYNAPTIC EFFECTS OF ACUTE STRESS: A NEW MODEL TO UNDERSTAND PATHOPHYSIOLOGY OF PSYCHIATRIC DISORDERS**

**Popoli Maurizio**

Sala N., Musazzi L., Tornese P.

- 17/01 DIFFERENTIAL EFFECTS OF SUBCHRONIC MK-801 ON BEHAVIOR, AMINO ACIDS AND GLUTAMATE RECEPTOR OF THE NMDA TYPE IN THE PREFRONTAL CORTEX OF ADULT NAPLES HIGH-EXCITABILITY RATS**

**Sadile Adolfo**

Boatto G., Nieddu M., de Souza Silva M. A., Treno C., Gironi Carnevale U. A., Cristina Pagano C., Illiano P., Tino A.

- 18/01 D2R AFFINITY AND DOSE OF TYPICAL AND ATYPICAL ANTIPSYCHOTICS DIFFERENTIALLY MODULATE SPATIAL AND TEMPORAL HOMER1A GENE EXPRESSION AT THE POST-SYNAPTIC DENSITY**

**Avagliano Camilla**

Buonaguro E.F., Iasevoli F., Marmo F., Vellucci L., Tomasetti C., de Bartolomeis A.

- 19/01 TRANSCRANIAL DIRECT CURRENT STIMULATION AS A DIAGNOSTIC TOOL FOR THE IDENTIFICATION OF NEUROPLASTICITY DEFICITS IN THE PRODROMAL PHASE OF ALZHEIMER'S DISEASE IN A MOUSE MODEL**

**Cocco Sara**

Rinaudo M., Barbati S.A, Ripoli C., Podda M.V., Grassi C.



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- 20/01 PHARMACOLOGICAL APPROACHES IN A NEW MOUSE MODEL OF NEURODEVELOPMENTAL DISORDERS**  
**Mastinu Andrea**  
Bonini S.A., Premoli M., Maccarinelli G., Memo M.
- 21/01 EVEROLIMUS RESCUES THE EARLY LEARNING AND MEMORY DEFICITS AND AMELIORATES THE AD-LIKE PATHOLOGY IN THE 3xTG-AD MICE**  
**Calcagnini Silvio**  
Romano A., Gaetani S., Dolcetta D., Cassano T.
- 22/01 THE ANTIDEPRESSANT-LIKE ACTION OF SCOPOLAMINE IN THE TAIL SUSPENSION TEST DEPENDS ON THE MONOAMINERGIC NEUROTRANSMISSION**  
**Palucha-poniewiera Agnieszka**  
Podkowa K., Pilc A.
- 23/01 A NEW PUTATIVE EARLY BIOMARKER FOR A BLOOD-BASED TIMELY DIAGNOSIS OF ALZHEIMER'S DISEASE: DEVELOPMENT OF A PORTABLE POINT-OF-CARE DEVICE FOR THE ANALYSIS OF AN OPEN ISOFORM OF P53**  
**Abate Giulia**  
Tonello S., Vezzoli M., Arce Varas N., Marziano M., Rungratanawanich W., Martínez C., Cuetos F., Fernández-Sánchez M.T., Borghetti M., Serpelloni M., Lopomo N.F., Novelli A., Sardini E., Memo M., Uberti D.
- 35/01 ACTIVATION OF MICROGLIA PROMOTES THE FORMATION OF AMYLOID-B FRAGMENTS THAT AFFECT SYNAPTIC TRANSMISSION AND INDUCE AGGREGATE FORMATION IN THE HEALTHY BRAIN**  
**Michela Matteoli**  
Filipello F, Rasile M, Mazzitelli S, Lauranzano E, Mirabella F, Tamborini M, Pozzi D
- 36/01 THE ROLE OF PLASMA-OXYTOCIN IN PATIENTS WITH OBSESSIVE-COMPULSIVE DISORDER**  
**Federico Mucci**  
Baroni S, Giannaccini G, Marazziti D



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**POSTER SESSION 1 - OCTOBER 1  
COGNITION AND BEHAVIOR**

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- 24/01 BEHAVIORAL AND BIOCHEMICAL BENEFITS INDUCED BY OMEGA-3 POLYUNSATURATED FATTY ACID (N-3 PUFA) SUPPLEMENTATION IN CHOLINERGICALLY DEPLETED AGED MICE**  
**Cutuli Debora**  
De Bartolo P., Sacchetti S., Landolfo E., Laricchiuta D., A Nobili A., D'Amelio M., Foti F., Farioli-Vecchioli S., Petrosini L.
- 25/01 INTRAVENOUS SELF-ADMINISTRATION OF THE SYNTHETIC CANNABINOID JWH-018 IN ADOLESCENT MICE**  
**Margiani Giulia**  
Castelli M.P., Pintori N., Fadda P., De Luca M.A.
- 26/01 THE CRITICAL ROLE OF ESSENTIAL MICRONUTRIENTS IN BRAIN AND BEHAVIOUR DEVELOPMENT: EVIDENCE FROM IN VIVO STUDIES ON DIETARY SELENIUM DEFICIENCY**  
**Calamandrei Gemma**  
Tartaglione AM, Scalfari A, Attorri L, Ricceri L, Cubadda F, Aureli F, Di Biase A, Masella R, D'Archivio M, Marchetti N., Gerosa L., Viviani B, Ajimone-Cat MA, De Simone R, Minghetti L
- 27/01 ALL THAT FIRES IS NOT MIRROR: NEW INSIGHTS INTO THE DORSAL PREMOTOR CORTEX**  
**Ferrucci Lorenzo**  
Cirillo R., Marcos E., Ferraina S., Genovesio A.
- 28/01 MAPPING NEW ASSOCIATIONS INCREASE THE CROSS-CORRELATED ACTIVITY AND THE VARIABILITY OF PREFRONTAL NEURONS**  
**Nougaret Simon**  
Ferrucci L., Marcos E., Genovesio A.
- 29/01 AUTOCORRELATION STRUCTURE IN THE MACAQUE DORSOLATERAL PREFRONTAL CORTEX PREDICTS RESPONSE-CODING STRENGTH IN A VISUALLY CUED STRATEGY TASK**  
**Fascianelli Valeria**  
Tsujimoto S., Marcos E., Genovesio A.



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- 30/01 SYNTHESIS AND IDENTIFICATION OF NOVEL COMPOUNDS INCREASING SPATIAL LEARNING AND MEMORY PERFORMANCES BY MODULATING NCX1, NCX2 AND NCX3 ACTIVITY**  
**Natale Silvia**  
Molinaro P., Anzilotti S., Secondo A., Pannaccione A., Serani A., Di Renzo G., Annunziato L.
- 31/01 PESSIMISTIC JUDGMENT BIAS AS A COGNITIVE BIOMARKER IN ANIMAL MODELS OF PSYCHIATRIC DISORDERS**  
**Rygula Rafal**  
Golebiowska J., Drozd R., Rychlik M., Rafa D., Cieslak P. E., Rodriguez Parkitna J., Curzytek K., Kubera M.
- 32/01 PRENATAL EXPOSURE TO VALPROIC ACID PARTIALLY RECAPITULATES AUTISTIC-LIKE FEATURES IN THE FEMALE RAT OFFSPRING: ROLE OF THE ENDOCANNABINOID SYSTEM**  
**Schiavi Sara**  
Servadio M., Melancia F., Trezza V.
- 33/01 DNA DOUBLE STRAND BREAKS AND IMPAIRED REPAIR UNDERLIE CORE AND ASSOCIATED AUTISTIC-LIKE SYMPTOMS IN RATS PRENATALLY EXPOSED TO VALPROIC ACID**  
**Melancia Francesca**  
Servadio M., Manduca A., Schiavi S., Ascenzi P., Di Masi A., Trezza V.



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**POSTER SESSION 2 - OCTOBER 2**

**NEURAL EXCITABILITY, SYNAPSES, AND GLIA: CELLULAR MECHANISMS**

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- 01/02 Na<sup>+</sup>/Ca<sup>2+</sup> EXCHANGER 1 LOCATED ON THE INNER MEMBRANE OF THE NUCLEAR ENVELOPE CONTROLS NUCLEAR Ca<sup>2+</sup> HOMEOSTASIS AND NUCLEAR AKT PHOSPHORYLATION IN NEURONS**  
**Tedeschi Valentina**  
Petrozziello T., Esposito A., Boscia F., Molinaro P., Pannaccione A., Ciccone R., Guida N., Di Renzo G.F., Secondo A., Annunziato L.
- 02/02 INTRACELLULAR TRAFFICKING OF CARBONIC ANHYDRASE IX IN NEUROBLASTOMA CELLS**  
**Succoio Mariangela**  
Sasso E., Vitale M., Marciano C., De Simone G, Garbi C., Zambrano N.
- 03/02 EXPRESSION OF MEMBRANE PROGESTERONE RECEPTORS (MPRS) IN SCHWANN CELLS AND THEIR POTENTIAL ROLE IN CELL MIGRATION AND MYELIN PROTEINS EXPRESSION**  
**Castelnovo Luca Franco**  
Thomas P., Magnaghi V.
- 04/02 THE SYNAPTIC ROLE OF HUMAN T CELLS IN MULTIPLE SCLEROSIS**  
**Rizzo Francesca Romana**  
Musella A., Gentile A., Fresegna D., De Vito F., Bullitta S., Mandolesi G., Centonze D.
- 05/02 MUSCARINIC RECEPTOR ACTIVATION MODULATES PROLIFERATION AND NEUROTROPHIC FACTORS PRODUCTION IN RAT SCHWANN-LIKE CELLS: IMPLICATIONS IN NERVE REGENERATION**  
**Piovesana Roberta**  
Faroni A., Soligo M., Matera A., Manni L., Magnaghi V., Reid A.J., Tata A.M.
- 06/02 GLIAL PLASTICITY: DIURNAL CHANGES OF MICROGLIA IN BASAL CONDITIONS**  
**Tesoriero Chiara**  
Azeez I.A., Laperchia C., Corghi F., Jaupaj L., Finardi A, Furlan R., Grassi-Zucconi G., Bentivoglio M.
- 07/02 SYNAPTIC ROLE FOR VACUOLAR ATPASE V1A SUBUNIT**  
**Esposito Alessandro**





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Fadda M., Marte A., Belmonte E., Conti V., Mei D., Onofri F., Guerrini R., Benfenati F., Fassio A.

**08/02 BDNF UPREGULATES SYNAPTIC EXPRESSION OF GLUN2B-CONTAINING NMDAR BY A TRANSLATION-DEPENDENT MECHANISM IN CULTURED HIPPOCAMPAL NEURON**

**De Luca Pasqualino**

Afonso P., Mele M., Pinheiro P., Duarte C. B.

**09/02 PROGRESSION AND PERSISTENCE OF NEUROTOXICITY INDUCED BY MDMA IN DOPAMINERGIC REGIONS OF THE MOUSE BRAIN AND ASSOCIATION WITH NORADRENERGIC, GABAERGIC, AND SEROTONERGIC DAMAGE**

**Costa Giulia**

Morelli M., Simola N.

**10/02 SELECTIVE MODULATOR OF ARYL HYDROCARBON RECEPTOR PROTECTS NEURONS AGAINST CEREBRAL ISCHEMIA: A ROLE OF APOPTOSIS- AND AUTOPHAGY- MEDIATED CELL DEATH**

**Rzemieniec Joanna**

Wnuk A., Litwa E., Lasoń W., Kajta M.

**11/02 STRIATAL ASTROCYTIC PROCESSES AND GLUTAMATE RELEASE: EFFECTS OF HOMOCYSTEINE AND A2A-D2 RECEPTOR-RECEPTOR INTERACTION**

**Venturini Arianna**

Cervetto C., Guidolin D., Maura G., Passalacqua M., Tacchetti C., Cortelli P., Genedani S., Agnati L. F., Marcoli M.





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DISORDERS OF THE NERVOUS SYSTEM**

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- 12/02 HALVING MGLUR5 RECEPTORS IMPROVES SURVIVAL, CLINICAL SCORES AND BIOLOGICAL FEATURES IN SOD1G93A MICE**  
**Provenzano Francesca**  
Milanese M., Bonifacino T., Cattaneo L., Gallia E., Puliti A., Melone M., Bossi S., Musante I., Usai C., Conti F., Bonanno G.
- 13/02 SOD1 AND APOSOD1, WHICH LACKS DISMUTASE ACTIVITY, NEUROPROTECT MOTOR NEURONS AGAINST L-BMAA THROUGH THE Ca<sup>2+</sup>-DEPENDENT AKT/ERK1/2 PROSURVIVAL PATHWAY ACTIVATION**  
**Petrozziello Tiziana**  
Tedeschi V., Esposito A., Sisalli M. J., Scorziello A., Di Renzo G., Secondo A., Annunziato L.
- 14/02 NCX1 AND NCX3 AS POTENTIAL PLAYERS IN MITOCHONDRIAL-PROMOTED NEUROINFLAMMATION IN A53T TRANSGENIC MOUSE MODEL OF PARKINSON'S DISEASE**  
**Sirabella Rossana**  
Sisalli M. J., Omura K., Costa G., Ianniello G., Morelli M., Di Renzo G., Annunziato L., Scorziello A.
- 15/02 PARAQUAT-INDUCED MITOCHONDRIAL DYSFUNCTION IS EXACERBATED BY PARKIN-INDEPENDENT MITOPHAGY DEFECT IN ASTROCYTES: ROLE OF NRH-QUINONE OXIDOREDUCTASE 2 (NQO2)**  
**Martino Concetta**  
Lascalea A., Mollace V., Ziviani E., Elzbieta J.
- 16/02 RGS4 INHIBITION ATTENUATES NEUROLEPTIC-INDUCED AKINESIA THROUGH STRIATAL MGLUR5**  
**Pisanò Clarissa Anna**  
Brugnoli A., Novello S., Neubig RR, Morari M.
- 17/02 BLOOD-DERIVED EXOSOMES AS POTENTIAL BIOMARKERS FOR PARKINSON'S DISEASE**  
**Cerri Silvia**  
Ghezzi C., Sampieri M., Siani F., Giuliano C., Dornini G., Zangaglia R., Minafra B., Avenali M., Blandini F.
- 18/02 INVESTIGATING LYSOSOMAL IMPAIRMENT IN FIBROBLASTS FROM PARKINSON'S DISEASE PATIENTS CARRYING GBA1 MUTATIONS**



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**Siani Francesca**

Ghezzi C., Saiani J., Giuliano C., Zangaglia R., Cerri S., Blandini F.

**19/02 MITOPHAGY DYSFUNCTION IN PBMCS OF SPORADIC ALS PATIENTS**

**Bordoni Matteo**

Pansarasa O., Fantini V., Crippa V., Gagliardi S., Garau J., Diamanti L., Ceroni M., Cereda C.

**20/02 MOTOR NEURON DEGENERATION AND DISEASE PROGRESSION IN AMYOTROPHIC LATERAL SCLEROSIS ARE ACCELERATED BY THE DISRUPTION OF THE ASTROCYTIC TNFR1-GDNF AXIS**

**Guidotti Giulia**

Brambilla L., Martorana F., Iyer Anand M., Aronica E., Valori C. F., Rossi D.

**21/02 DIFFERENCE BETWEEN MICROVESICLES AND EXOSOMES FROM PLASMA OF ALS PATIENTS**

**Cereda Cristina**

Sproviero D., La Salvia S., Colombo F., Giannini M., Lauranzano E., Diamanti L., Pansarasa O., Malaspina A., Ceroni M., Matteoli M.

**22/02 FRESH SKELETAL MUSCLE FIBRES AS INTERNAL FILLER OF CHITOSAN TUBES FOR PRIMARY AND DELAYED NERVE REPAIR**

**Fornasari Benedetta Elena**

Ronchi G., Raimondo S., Crosio A., Budau C. A., Tos P., Perroteau I., Battiston B., Geuna S., Gambarotta G.

**23/02 HIPPOCAMPAL NEURONS OF DYSTROPHIC MDX MICE HAVE REDUCED SENSITIVITY TO ACUTE CORTICOSTERONE IN VIVO TREATMENT, COMPARED TO WILD TYPE**

**Cosmi Francesca**

Fragapane P., Mariani Y., Armeli F., De Stefano M.E.

**24/02 ALPHA-SYNUCLEIN TARGETS GLUN2A NMDA RECEPTOR SUBUNIT CAUSING DYSFUNCTION OF STRIATAL SYNAPTIC NETWORK**

**Durante Valentina**

de Iure A., Tantucci M., Quiroga-Varela A., Chiasserini D., Mellone M., Mazzocchetti P., Mechelli A., Di Filippo M., El-Agnaf O.M., Picconi B., Ghiglieri V., Gardoni F., Tozzi A., Calabresi P.

**25/02 HALOPERIDOL MODULATES CORTICO-SUBCORTICAL GLUTAMATERGIC NETWORKS: AN IMMEDIATE EARLY GENE BASED STUDY OF BRAIN FUNCTIONAL CONNECTIVITY**

**Buonaguro Elisabetta Filomena**

Latte G., Iasevoli F., Avagliano C., Vellucci L., de Bartolomeis A.



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- 26/02 STRIATAL CHOLINERGIC MARKERS IN DYT1 DYSTONIA**  
**Tassone Annalisa**  
Vanni V., Meringolo M., Ponterio G., Sciamanna G., Bonsi P., Pisani A.
- 27/02 NOVEL CEREBROSPINAL FLUID BIOMARKERS OF MULTIPLE SCLEROSIS**  
**Duarte Carlos**  
Lourenço A. S., Baldeiras I., Grãos M., Manadas B., Pais A. C., Batista S., Sousa L.
- 28/02 ENHANCEMENT OF MOR-DEPENDENT OPIOID TRANSMISSION IN A MODEL OF DYT1 DYSTONIA**  
**Meringolo Maria**  
Ponterio G., Tassone A., Sciamanna G., Vanni V., Bonsi P., Pisani A.
- 29/02 MIR-125A-3P NEGATIVELY REGULATES OLIGODENDROCYTE PRECURSOR CELLS MATURATION AND IS ALTERED IN DEMYELINATING CONDITIONS.**  
**Marangon Davide**  
Boda E., Giorgi C., Coppolino G. T., Parolisi R., Finardi A., Furlan R., Buffo A., Abbracchio M. P., Lecca D.
- 30/02 ABNORMAL STRIATAL PLASTICITY IN A DYT11/SGCE MYOCLONUS DYSTONIA MOUSE IS REVERSED BY ADENOSINE A2A RECEPTOR INHIBITION**  
**Imbriani Paola**  
Maltese M., Martella G., Schuermans J., Billion K., Sciamanna G., Farook F., Ponterio G., Tassone A., Santoro M., Bonsi P., Goodchild R. E., Pisani A.
- 31/02 THE SELECTIVE STIMULATION OF ADENOSINE A2B RECEPTORS INHIBITS OLIGODENDROCYTE MATURATION BY MODULATING SPHINGOSINE KINASE/SPHINGOSINE 1-PHOSPHATE AXIS**  
**Dettori Ilaria**  
Coppi E., Fusco I., Torelli C., Cencetti F., Gaviano L., Simiani A., Catarzi D., Pedata F., Pugliese A. M.
- 32/02 FYN KINASE CONTROLS AMYLOID PRECURSOR PROTEIN TYROSINE PHOSPHORYLATION AND TRAFFICKING IN NEURAL STEM CELLS OF ALZHEIMER'S DISEASE PATIENTS**  
**Iannuzzi Filomena**  
Allen Z., Poulsen E.T., Ehrnhöfer D., Shu Y., Enghild J.J., Matrone C.



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**POSTER SESSION 2 - OCTOBER 2  
INTEGRATIVE SYSTEMS: NEUROENDOCRINOLOGY, NEUROIMMUNOLOGY, AND  
HOMEOSTASIS**

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- 33/02 DIFFERENTIAL EFFECTS OF PLACEBO OXYGEN ON FATIGUE AND PAIN IN HYPOXIC CONDITIONS AT HIGH ALTITUDE**  
**Barbiani Diletta**  
Benedetti F.
- 34/02 THE SEXUALLY DIMORPHIC OBESOGENIC EFFECT OF EARLY POSTNATAL GENISTEIN ADMINISTRATION ON CD1 MICE**  
**Marraudio Marilena**  
Ponti G., Farinetti A., Macchi E., Accornero P., Gotti S., Collado P., Keller M., Panzica GC.
- 35/02 THE CILIARY NEUROTROPHIC FACTOR AS A NOVEL, GLIAL-DERIVED FACTOR REGULATING ENERGY BALANCE IN MICE**  
**Giordano Antonio**  
Severi I., Perugini J., Senzacqua M., Cinti S.
- 36/02 EFFECTS OF SUBDIAPHRAGMATIC DEAFFERENTATION ON OLEOYLETHANOLAMIDE-INDUCED FOS EXPRESSION IN BRAIN AREAS INVOLVED IN THE CONTROL OF FEEDING BEHAVIOR**  
**Koczwara Justyna Barbara**  
Romano A., Gallelli C. A., Karimian Azari E., Langhans W., Gaetani S.
- 37/02 EFFECTS OF OLEOYLETHANOLAMIDE ON MESOLIMBIC DOPAMINERGIC TRANSMISSION IN AN ANIMAL MODEL OF BINGE EATING**  
**Gallelli Cristina Anna**  
Romano A., Koczwara J. B., Micioni Di Bonaventura M. V., Giusepponi M. E., Cassano T., Cifani C., Gaetani S.



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**POSTER SESSION 3 - OCTOBER 3  
DEVELOPMENT**

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**01/03 MECHANISMS OF NEUROTOXICITY OF UNCONIUGATED BILIRUBIN (UCB) IN THE GENESIS OF KERNICTERUS**

**Gerace Elisabetta**

Pratesi S., Ilari A., Bani D., Lana D., Giovannini M. G., Pellegrini-Giampietro D., Mannaioni G., Dani C.

**02/03 TBC1D24 LOSS OF EXPRESSION IMPAIRS AXONAL OUTGROWTH AND MEMBRANE TRAFFICKING AT THE GROWTH CONE: IMPLICATION IN TBC1D24 NEUROLOGICAL PHENOTYPE**

**Aprile Davide**

Fruscione F., Fadda M., Ferrante D., Baldassari S., Baldelli P., Benfenati F., Zara F., Fassio A.

**03/03 NEW ROLE OF ATM IN HIPPOCAMPAL NEURONS DURING DEVELOPMENT**

**Pizzamiglio Lara**

Focchi E., Murru L., Tamborini M., Passafaro M., Menna E., Matteoli M., Antonucci F.

**04/03 OVEREXPRESSION OF HUMAN FUS/TLS AFFECTS NEURAL STEM PROGENITOR CELLS PROLIFERATION AND NEURONAL DIFFERENTIATION**

**Stronati Eleonora**

Toselli C., Cacci E., Poiana G., Biagioni S.

**05/03 ANALYSIS OF ULTRASONIC COMMUNICATION IN A MOUSE MODEL OF NEURODEVELOPMENTAL DISORDERS**

**Premoli Marika**

Bonini S. A., Mastinu A., Maccarinelli G., Memo M.

**06/03 FUNCTIONAL REORGANIZATION OF ACCESSORY OLFACTORY BULB NEUROGENESIS AT PUBERTY**

**Trova Sara**

Oboti L., Schellino R., Marraudino M., Peretto P.

**07/03 FUNCTIONAL CHARACTERIZATION OF A NOVEL KCNJ2 MUTATION IDENTIFIED IN AN AUTISTIC PROBAND**

**Villa Chiara**

Rivolta I., Binda A., Chisci E., Bugarin C., Gaipa G., Beghi M., Cornaggia C. M., Giovannoni R., Combi R.



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**08/03 HETEROTOPIC TRANSPLANTATIONS REVEAL HOW THE ENVIRONMENT  
DIRECTS INTERNEURON DIVERSITY AND MATURATION**

**Quattrocolo Giulia**

Fishell G., Petros T. J.



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**POSTER SESSION 3 - OCTOBER 3**

**NEURAL EXCITABILITY, SYNAPSES, AND GLIA: CELLULAR MECHANISMS**

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**09/03 RELEASE-REGULATING GLP-1 RECEPTORS ARE PRESENT ON CORTICAL AND HIPPOCAMPAL GLUTAMATERGIC AND GABAERGIC NERVE TERMINALS**

**Balbi Matilde**

Rebosio C., Passalacqua M., Ricciarelli R., Fedele E.

**10/03 GABAERGIC CONTROL OF CA2 OUTPUT BY SOMATOSTATIN-POSITIVE INTERNEURONS**

**Griguoli Marilena**

**11/03 IDENTIFICATION AND CHARACTERIZATION OF THE PROMOTER AND REGULATORY ELEMENTS ON THE CEREBRAL SODIUM/CALCIUM EXCHANGER ISOFORM 2 (NCX2) GENE IN RAT PHEOCHROMOCYTOMA CELLS**

**Serani Angelo**

Molinaro P., Guida N., Natale S., Formisano L., Di Renzo G., Annunziato L.

**12/03 ROLE OF THE Na<sup>+</sup>/Ca<sup>2+</sup> EXCHANGER ON MITOCHONDRIAL TOXICITY IN AN EXPERIMENTAL MODEL OF PARKINSON'S DISEASE**

**Bastioli Guendalina**

Tantucci M., Castaldo P., Amoroso S., Calabresi P., Tozzi A.

**13/03 SYNAPTIC INTERACTOME MINING REVEALS P140CAP AS A NEW HUB FOR PSD PROTEINS INVOLVED IN PSYCHIATRIC AND NEUROLOGICAL DISORDERS**

**Alfieri Annalisa**

Sorokina O., Adrait A., Angelini C., Russo I., Morellato A., Matteoli M., Menna E., Boeri Erba E., McLean C., Armstrong J. D., Ala U., Buxbaum J. D., Brusco A., Couté Y., De Rubeis S., Turco E., Defilippi P.

**14/03 P140CAP CONTROLS SYNAPTIC PLASTICITY THROUGH ITS INTERACTION WITH NMDA RECEPTOR**

**Angelini Costanza**

Alfieri A., Morellato A., Pavinato L., Cravero T., Turco E., Defilippi P.





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**15/03 APACHE: A NOVEL AP2-INTERACTING PROTEIN INVOLVED IN SYNAPTIC VESICLE TRAFFICKING AND NEURONAL DEVELOPMENT**

**Piccini Alessandra**

Castroflorio E., Valente P., Guarnieri F. C., Aprile D., Bramini M., Giansante G., Cesca F., Bachi A., Cattaneo A., Wren J. D., Fassio A., Valtorta F., Benfenati F., Giovedì S.

**16/03 GLT-1 LOCALIZATION AT GABAERGIC CORTICAL SYNAPSES UNVEILS SUBSETS OF INHIBITORY SYNAPSES CO-EXPRESSING GLUTAMATE TRANSPORTERS AND HETERO-RECEPTORS**

**Pugliese Arianna**

Melone M., Conti F.

**17/03 IDENTIFICATION OF TRANSCRIPTION FACTORS ACTIVATING Na<sup>+</sup>/Ca<sup>2+</sup> EXCHANGER ISOFORM 3 GENE IN BRAIN**

**Mascolo Luigi**

Formisano L., Guida N., Laudati G., Serani A., Molinaro P., Di Renzo G., Annunziato L.



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DISORDERS OF THE NERVOUS SYSTEM**

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- 18/03 THE GLIADIN PEPTIDE 31-43 AGGRAVATES KAINATE NEUROTOXICITY IN EPILEPSY MODELS**  
**Gerace Elisabetta**  
Resta F., Landucci E., Renzi D., Masi A., Calabrò A., Pellegrini-Giampietro D. E., Mannaioni G.
- 19/03 EPIGENETIC DOWN-REGULATION OF NCX3 GENE BY DREAM/HDAC4/HDAC5 COMPLEX IN BRAIN ISCHEMIA**  
**Guida Natascia**  
Formisano L., Laudati G., Mascolo L., Cuomo O., Cantile M., Boscia F., Pignataro G., Di Renzo G., Annunziato L.
- 20/03 ACUTE AND LONG-TERM Na<sup>+</sup>/Ca<sup>2+</sup> EXCHANGER ACTIVATION REDUCES LONG LASTING BRAIN INJURY AND RESTORES NEUROBEHAVIORAL FUNCTIONS IN MICE SUBJECTED TO NEONATAL HYPOXIA-ISCHEMIA**  
**Brancaccio Paola**  
Cerullo P., Anzilotti S., Vinciguerra A., Cuomo O., Fiorino F., Severino B., Di Vaio P., Di Renzo G., Annunziato L., Pignataro G.
- 21/03 INVOLVEMENT OF NCX IN GLUTAMATE-INDUCED NEUROPROTECTION IN AN IN VITRO MODEL OF ISCHEMIA/REPERFUSION INJURY**  
**Piccirillo Silvia**  
Castaldo P., Macri M. L., Bastioli G., Maiolino M., Magi S., Lariccia V., Amoroso S.
- 22/03 DISTINCT FUNCTIONAL ALTERATIONS PROMPTED BY EE-CAUSING MUTATIONS AFFECTING THE SAME RESIDUE IN KV7.2 OR KV7.3 CHANNELS**  
**Mosca Ilaria**  
Soldovieri M.V., Ambrosino P., Freri E., Castellotti B., Gellera C., DiFrancesco J.C., Tagliatella M.
- 23/03 MOUSE MODEL OF POLYMICROGYRIA: PHARMACOLOGICAL AND CELLULAR THERAPEUTIC APPROACHES**  
**Ferrara Silvia**  
Fossati G., Zalfa C., Antonucci F., Ponzoni L., Sala M., Vescovi A. L., Matteoli M., Menna E.
- 24/03 STARGAZIN REGULATES THE BIOCHEMICAL AND FUNCTIONAL PROPERTIES OF KV7.2 VOLTAGE-GATED POTASSIUM CHANNELS**  
**Manocchio Laura**



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Soldovieri M.V., Ambrosino P., Mosca I., Caldeira G., Rodrigues M., Carvalho A.L., Tagliatela M.

**25/03 STUDY OF AN EXCITATION/INHIBITION IMBALANCE IN MAGEL2-KO MOUSE LINKED TO AN EARLY DEFICIT IN OXYTOCIN SYSTEM**

**Bertoni Alessandra**

Schaller F., Tyzio R., Diabira D., Chazal G., Matarazzo V., Gaiarsa J. L., Chini B., Muscatelli F.

**26/03 EXOCYTOSIS REGULATES THE TRAFFICKING OF GABA AND GLYCINE HETEROTRANSPORTERS IN SPINAL CORD GLUTAMATERGIC SYNAPSES: A MECHANISM FOR THE EXCESSIVE HETEROTRANSPORTER-INDUCED GLUTAMATE RELEASE IN AMYOTROPHIC LATERAL SCLEROSIS**

**Milanese Marco**

Bonifacino T., Fedele E., Rebosio C., Usai C., Bonanno G.

**27/03 ROLE OF THE TRANSIENT RECEPTOR POTENTIAL ANKYRIN TYPE-1 (TRPA1) CHANNEL IN MIGRAINE PAIN: EVALUATION IN AN ANIMAL MODEL**

**Demartini Chiara**

Greco R., Zanaboni A. M., Tonsi G., Richichi B., Francesconi O., Nativi C., Tassorelli C.

**28/03 NEURONS DERIVED FROM MURINE ESCS: A POSSIBLE STRATEGY FOR STROKE RECOVERY**

**Busti Irene**

Alia C., Terrigno M., Cremisi F., Caleo M.

**29/03 CROSSTALK BETWEEN THE UBIQUITIN-PROTEASOME SYSTEM AND CALPAINS IN NEURONAL DEATH INDUCED BY BRAIN ISCHEMIA**

**Frisari Simone**

Salazar I. L., Caldeira M. V., Li K. W., Duarte C. B.

**30/03 PROTEOLYSIS OF MITOCHONDRIAL NCX3 BY THE E3-LIGASE SIAH2 REGULATES MITOCHONDRIAL DYNAMICS IN CORTICAL NEURONS DURING ANOXIA**

**Sisalli Maria Jose**

Savoia C., Annunziato L., Scorziello A.

**31/03 FUNCTIONAL COMPARISON AMONG THREE VARIANTS AFFECTING THE SAME CRITICAL RESIDUE IN THE KV7.2 POTASSIUM CHANNEL GENE IDENTIFIED IN PATIENTS WITH EPILEPSY AND/OR SEVERE DEVELOPMENTAL IMPAIRMENT**

**Miceli Francesco**

Lauritano A., Cimino M., Onore M. E., Nappi P., Weckhuysen S., Cooper E. C., Tagliatela M.



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SENSORY AND MOTOR SYSTEMS**

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- 32/03 POTENTIAL ANTI-MIGRAINE MECHANISMS OF URB937: STUDY IN AN ANIMAL MODEL**  
**Greco Rosaria**  
Demartini C., Zanaboni A., Bandiera T., Reggiani A., Piomelli D., Tassorelli C.
- 33/03 CORTICAL ACTIVITY DURING A MOTOR TASK IN BEHAVING MICE**  
**Giordano Nadia**  
Alia C., Cattaneo A., Caleo M.
- 34/03 NEURAL CODING OF OBJECT SHAPE IN MACAQUE MONKEYS**  
**Caprara Irene**  
Premereur E., Romero M.C., Janssen P.
- 35/03 DIVERSITY AND CONNECTIVITY OF SOMATOSTATIN INTERNEURONS IN LAYER 5 OF THE MOUSE BARREL CORTEX**  
**Nigro Maximiliano**  
Hashikawa Y., Rudy B.