
**III Meeting on the
MOLECULAR MECHANISMS OF NEURODEGENERATION**

Aula Magna, Universita' degli Studi di Milano
Via Festa del Perdono 7 - 20122 Milano (Italy)
May 19-21, 2007

FINAL PROGRAM

Saturday, May 19, 2007 (Morning)

09:30 Registration

10:00 Satellite symposium on:
Molecular Mechanisms on Neurodevelopment
Neuronal migration and related diseases
(no registration required for this symposium)

Chairpersons: Roberto Maggi (Italy), John Parnavelas (UK)

Plenary Lecture

10:15-11:00 **John Parnavelas (UK)**

"Neuronal migration: a very complex developmental movement"

Session

11:00-11:30 **Ferdinando Rossi (Italy)**

"Specification and integration of new neurons in the cerebellar network"

11:30-12:00 **Anna Cariboni (Italy)**

"Mechanisms controlling the migration of GnRH neurons: the Kallmann's disease"

12:00-12:30 **Myriam Baes (Belgium)**

"Defect of neuronal migration in a mouse model of Zellweger syndrome"

Closing remarks

Saturday, May 19, 2007 (Afternoon)

Opening Session

14:00 Introduction by the organizers

Angelo Poletti, Elena Cattaneo, Franco Taroni (Italy)

14:10-14:30 **Gianpiero Sironi** (Prorettore alla ricerca, Universita' di Milano)

Stefano Di Donato (Istituto Neurologico "C. Besta" Milano)

Nancy S. Wexler (President, Hereditary Disease Foundation, USA)

Opening lecture

14:30-15:30 **Adriano Aguzzi** (Switzerland)

"The Neuroinvasion of the Prion Protein"

Introduced by Franco Taroni (Italy)

Session I: The formation of aggregates and their role in neurodegeneration

Chairpersons: Massimo Stefani, (Italy), Annalisa Pastore (UK)

- 15:30-16:00 **Fabrizio Chiti** (Italy)
"The sequence and structural determinants of protein aggregation"
- 16:00-16:30 **Erich E. Wanker** (Germany)
"Prevention of amyloidogenesis by converting alpha-synuclein and amyloid-beta polypeptides into nontoxic oligomers or amorphous aggregates"
- 16:30-17:00 **Mathias Jucker** (Germany)
"Exogenous Induction of Cerebral β -Amyloidogenesis Is Governed by Agent and Host"
- 17:00-17:30 **Hilal A. Lashuel** (Switzerland)
"Membrane permeabilization: a common mechanism in protein misfolding diseases"

17:30-18:00 Coffee break

Session II: The Chaperones and the Ubiquitin-Proteasome system
Chairperson: Matthias Bahr (Germany)

- 18:00-18.30 **Michael Hayden** (Canada)
"Novel targets for modifying the pathogenesis of Huntington disease"
- 18:30-19:00 **Olga Corti** (France)
"The effects of mutations in the E3 ubiquitin-protein ligase, Parkin in Parkinson's disease "
- 19:00-19:30 **Robert G. Korneluk** (Canada)
"Inhibitors of Apoptosis (IAPs), Ubiquitination and Proteasome Degradation"

19:30 Welcome Party

Sunday, May 20, 2007 (Morning)

Session III: Mechanisms of cell death
Chairpersons: Diane Merry (USA), John Parnavelas (UK)

- 08:30-09:00 **Robert M. Friedlander** (USA)
"Huntingtin is a Caspase-3 inhibitor"
- 09:00-09:30 **Peter Carmeliet** (Belgium)
"Treatment of motor neuron degeneration by VEGF"
- 09:30-09:45 *Selected Communication*
OC1 - Palazzolo I, Burnett BG, Brenne PL, Fischbeck KH, Howell BW, Pennuto M (USA)
"Androgen receptor phosphorylation at AKT consensus sites impairs ligand binding and blocks toxicity in SBMA cell models"

09:45-10:15 coffee break

Special session on: Calcium signalling in neurodegenerative diseases
Chairman: Ernesto Carafoli (Italy)

- 10:15-10:30 **Ernesto Carafoli** (Italy)
Overview
- 10:30-11:00 **Jose Naranjo** (Spain)
"Calcium-regulated gene expression during neurodegeneration"

- 11:00-11:30 **Ilya Bezprozvanny** (USA)
"Presenilins as ER calcium leak channels: implications for AD"
- 11:30-12:00 **Pierluigi Nicotera** (UK)
"Cellular and mitochondrial calcium signals to the neuronal death"
- 12:00-12:15 *Selected Communication*
- OC2 - Dell'Agnello C, Leo S, Agostino A, Szabadkai G, Tiveron C, Zulian A, Prelle A, Roubertoux P, Rizzuto R, Zeviani M (Italy)
"Increased longevity and refractoriness to Ca²⁺-dependent neurodegeneration in Surf1 knockout mice"

Session IV: The Autophagosome-Lysosome pathway
Chairperson: Stefano Di Donato (Italy)

- 12:15-12:45 **Leonidas Stefanis** (Greece)
"Relationship of alpha-synuclein to protein degradation pathways"
- 12:45-13:15 **David C. Rubinsztein** (UK)
"Induction of Autophagy as a therapeutical approach to Huntington disease"

13:15-14:15 Lunch

Sunday, May 20, 2007 (Afternoon)

14:15-16:00 Poster Session I (P1-P60)

Session V: Subcellular targets of neurotoxicity
Chairpersons: James F. Gusella (USA), Caterina Bendotti (Italy)

- 16:00-16:30 **Michael Coleman** (UK)
"Genetic regulation of axon degeneration"
- 16:30-17:00 **Scott. T Brady** (USA)
"Fast axonal transport and pathogenesis in polyglutamine-expansion diseases"
- 17:00-17:30 **Giorgio Battaglia** (Italy)
"The axonal-SMN (a-SMN) protein and motor neuron degeneration in spinal muscular atrophy"
- 17:30-18:00 **Marcy MacDonald** (USA)
"Mitochondrial energy metabolism in Huntington Disease"

Plenary Lecture

- 18:00-19:00 **Andrea Ballabio** (Italy)
"Neurodegeneration in lysosomal storage diseases"
Introduced by Angelo Poletti (Italy)

Monday, May 21, 2007 (morning)

08:30-10. 45 *Selected Free Communications*
Chairpersons: Franco Taroni (Italy), Angelo Poletti (Italy)

- OC3 - Masino L, Bulone D, San Biagio PL, Thomas DJ, Pastore A (UK)
"The interplay between polyQ and protein context delays aggregation through the formation of a protofibrils reservoir"
- OC4 - Carra S, Seguin S, Vinet J, Lambert H, Sik A, Landry J (Canada)

- "HSPB8 and BAG3: a new chaperone complex stimulating misfolded proteins degradation by macroautophagy"
- OC5 - Crippa V, Simonini F, Carra S, Rusmini P, Sau D, Poletti A (Italy)
 "Effect of the small heat shock protein HSPB8 overexpression in cellular models of motoneuronal diseases"
- OC6 - Schäfer MKE, Schmalbruch H, Buhler E, Lopez C, Martin N, Guénet JL, Haase G (France)
 "Progressive motor neuronopathy: a critical role of the tubulin chaperone TBCE in axonal tubulin routing"
- OC7 - Okazawa H, Qi M-L (Japan)
 "Proteome analysis of soluble nuclear proteins unravels a novel cell-protective role of HMGB1/2 to suppress genotoxic stress in the polyglutamine disease pathology"
- OC8 - Janer A, Martin E, Muriel M-P1, Latouche M, Fujigasaki H, Ruberg M, Brice A, Trottier Y, Sittler A (France)
 "PML clastosomes prevent nuclear accumulation of mutant ataxin-7 and other polyglutamine proteins"
- OC9 - De Luca G, Russo MT, Degan P, Tiveron C, Zijno A, Mattei E, Nakabeppu Y, Crescenzi M, Pèzzola A, Popoli P, Bignami M (Italy)
 "Reduced Huntington's disease-like striatal neurodegeneration in mice expressing a human 8-oxodGTPase"
- OC10 - Bosco A, Canterini S, De Matteis V, Grillo D, Mangia F, Fiorenza MT (Italy)
 "Neurodegeneration in inherited ataxias: functional interactions of the product of the THG-1PIT gene in cerebellum granule and Purkinje cells of the mouse"
- OC11 - Tesco G, Ho Koh Y, Kang E, Cameron A, Das S, Sena-Esteves M, Hiltunen M, Yang S-H, Zhong Z, Shen Y, Simpkins J, Tanzi RE (USA)
 "Depletion of GGA3 stabilizes BACE and enhances beta-secretase activity"

10:45-11:15 Coffee Break

11:15-13:00 Poster Session II (P61-P120)

13:00-14:00 Lunch

Monday, May 21, 2007 (afternoon)

Session VI: Markers of Neurodegeneration and Therapeutical Perspectives II
Chairperson: Olaf Riess (Germany), Elena Cattaneo (Italy)

- 14:00-14:30 **Elena Rugarli** (Italy)
 "The role of the mitochondrial m-AAA protease in neurodegeneration"
- 14:30-15:00 **Martin Kerschensteiner** (Germany)
 "In vivo imaging of axonal damage"
- 15:00-15:30 **Gianvito Martino** (Italy)
 "The therapeutic potential of neural stem cells"
- 15:30-16:00 **Luciano Conti** (Italy)
 "Neuronal stem cells differentiation to the ideal phenotype"

16:00 Closing Remarks

Poster Session I (P1-P60)

Sunday, May 20, 2007
14:15-16:00

P1 - THE P150 SUBUNIT OF DYNACTIN (DCTN1) GENE IN AMYOTROPHIC LATERAL SCLEROSIS

Münch C Sperfeld AD Meyer T Ludolph AC

P2 - EXPRESSION OF FMO1, FMO2, FMO3, FMO4 AND FMO5 GENES IN TRANSGENIC MICE MODELS OF ALS

Ogliari P, Corato M, Cova E, Cereda C, Bendotti C, and Ceroni M

P3 - IDENTIFICATION OF GENES THAT REGULATE THE PROCESSING OF THE BETA-AMYLOID PRECURSOR PROTEIN AND ARE CANDIDATES FOR ASSOCIATION WITH LATE-ONSET ALZHEIMER,S DISEASE BY A GENOME-WIDE siRNA SCREEN

John Majercak*, David Stone, Krista Getty, Amy Espeseth, Adam Simon, Shane Marine, Erica Stec, Marc Ferrer, Steven Bartz, Adam Gates, Carrie Wolffe, Paul Shughrue, Julja Burchard, Ken Koblan, Berta Strulovici, Daria Hazuda, Alan Sachs, Mark Shearman, Guy Seabrook, Jim Ray

P4 - PRELIMINARY RESULTS OF THE STUDY ON HAPLOTYPE LINKED TO FMR1 GENE IN POLISH ATAXIA PATIENTS AND IN CONTROLS.

Marta Rajkiewicz*, Anna Sulek-Piatkowska, Walentyna Szirkowiec, Wioletta Krysa, Elzbieta Fidzianska, E Zdzienicka

P5 - ANALYSIS OF THE MUTATIONS SPECTRUM IN EARLY-ONSET PARKINSON DISEASE PATIENTS. THE USE OF MLPA TECHNIQUE IN DETECTION OF REARRANGEMENTS IN THE PARKINSON GENES.

D Hoffman-Zacharska*, M Nawara, D Koziorowski, J Slawek A Friedman

P6 - ASSOCIATION OF FUNCTIONAL MXA PROMOTER POLYMORPHISMS AND THE RISK OF ALZHEIMER,S DISEASE IN CHINESE

Tang NLS, Ma SL, Huang W, Lam LCW Chiu HFK

P7 - HUNTINGTIN AGGREGATE FORMATION PRECEDES NEURODEGENERATION IN VITRO AND IN VIVO AS DETERMINED BY AGAROSE GEL ELECTROPHORESIS

A Weiss*, C Klein, B Woodman, K Sathasivam, M Bibel, E Régulier, GP Bates, P Paganetti

P8 - ABSENCE OF ASSOCIATION BETWEEN ERYTHROPOIETIN GENE VARIATION AND ALS IN SPORADIC ITALIAN PATIENTS

Ghezzi S, Del Bo R, Corti S, Santoro D, Prelle A, Nardini M, Siciliano G, Mancuso M, Murri L, Bresolin N, and Comi GP

P9 - UNSTABLE (CCTG)n REPEAT TRACT OF LOW RANGE IN A FAMILY WITH CLINICAL SYMPTOMS OF MYOTONIC DYSTROPHY.

A Sulek-Piatkowska, A Lusakowska, W Krysa, A Kostera-Pruszczyk, M Rajkiewicz, J Zaremba

P10 - DIFFERENT AGE AT ONSET IN HD FAMILIES WITHOUT TRANSGENERATION (CAG)n EXPANSION.

Krysa W, Sulek-Piatkowska A, Zdzienicka E, Hoffman-Zacharska D, Fidziaska E, Rajkiewicz M, Zaremba J

P11 - NOVEL Q23R SOD1 MUTATION ASSOCIATED WITH MUSCLE MITOCHONDRIAL DYSFUNCTION

Ronchi D, Corti S, Bordoni A, Santoro A, Papadimitriou D, Lamperti C, Lucchini V, Magri M, Guglieri M, Crugnola V, Moggio M, Bresolin N, and Comi GP

P12 - SCREENING FOR PEPTIDES THAT INTERACT WITH MUTANT-HUNTINGTIN

Carnemolla A*, Michelazzi S, Del Sal G, Persichetti F

P13 - THE LOC387715 LOCUS IN ALZHEIMER'S DISEASE

Benerini Gatta L, Venturelli E, Galimberti D, Scarpini E, and Finazzi D*

P14 - C. ELEGANS AS A MODEL FOR AXONAL DEGENERATION

Di Schiavi E*, Esposito G, Bazzicalupo P, Hilliard MA

P15 - CHLORIDE INTRACELLULAR CHANNEL 1 (CLIC1) PLAYS A CENTRAL ROLE IN REGULATING FREE RADICAL GENERATION BY MICROGLIA IN RESPONSE TO BETA-AMYLOID

Milton RH, Abeti R, Duchen MR, Breit SN, Mazzanti M.

P16 - DROSOPHILA HTRA2 FUNCTIONS DOWNSTREAM OF THE PINK1/PARKIN PATHWAY

Begum RN, Tain LS, Plun-Favreau H, Martins LM, Downward J, Whitworth AJ and Tapon N

P17 - THE FAD-LINKED PRESENILIN-2 MUTATION T122R INCREASES ENDOPLASMIC RETICULUM CALCIUM LEAKAGE IN FAD FIBROBLASTS AND DIFFERENT MODEL CELLS.

Brunello L, Zampese Ghidoni R, Binetti G, Pizzo P and Fasolato C

P18 - ROLE OF PPP4R2 IN APOPTOSIS AND NEURITOGENESIS

Bosio Y, Di Cunto F

P19 - A YEAST TWO-HYBRID APPROACH TO STUDY THE ROLE OF DJ-1 IN PARKINSON'S DISEASE

S Zucchelli*, Z Scotto Lavina, R Calligaris, S Vilotti, R Foti, M Biagioli, M Pinto, C Casseler, L De Maso and S Gustincich

P20 - REDOX, LIPIDS AND MOLECULAR EVENTS TRIGGERED BY POLYQ-EXPANDED PROTEINS

Bertoni A, Giuliano P, Rotoli D, Ulianich L, Castaldo I, Di Jeso B, Scorziello A, Adornetto A, Santillo M, Cocozza S, Avvedimento V E

P21 - USE OF STEROIDOGENIC ACUTE REGULATORY PROTEIN (STAR) IN STUDY OF MITOCHONDRIAL ATP-DEPENDENT PROTEASES POTENTIALLY INVOLVED IN FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS (ALS) CYTOPATHOLOGY

Bahat A*, Eimerl S, Granot Z, Cantoni L and Orly J

P22 - SULFORAPHANE PROTECTS AGAINST 6-HYDROXYDOPAMINE-INDUCED DOPAMINERGIC CELL APOPTOSIS

Tarozzi A*, Morroni F, Merlicco A, Angeloni C, Hrelia S, Cantelli-Forti G, Hrelia P

P23 - GENERATION OF MOUSE MODELS OF PARKINSONIAN SYNDROME BY SPECIFIC ACTIVATION OF AN ENDOGENOUS SUICIDE MECHANISM RESPONSIVE TO METABOLIC AND OXIDATIVE STRESS.

R Parlato, C Rieker, G Kreiner, D Engblom, I Grummt, G Schütz

P24 - IN VITRO MECHANISMS OF NEUROINFLAMMATION IN A CO-CULTURE SYSTEM OF ASTROCYTES AND MICROGLIA FROM NEONATAL HAMSTERS

Formentin EAM*, Servida F, De Luigi A, Ponti W, Poli G

P25 - PROTECTIVE EFFECTS OF GUANOSINE AGAINST BETA AMYLOID PEPTIDE (25-35) - INDUCED APOPTOSIS IN HUMAN NEURONAL CELLS

Merlicco A*, Tarozzi A, Morroni F, Cantelli-Forti G, Hrelia P

P26 - INCREASED FORMATION OF GLUTATHIONE MIXED DISULFIDES IN A MOTOR NEURON-LIKE CELL MODEL FOR FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS

D'Alessandro G, Tartari S, Rizzardini M, Babetto E, Conforti L and Cantoni L

P27 - ADAPTIVE RESPONSE TO STABLE EXPRESSION OF HUMAN MUTANT G93A SUPEROXIDE DISMUTASE 1 IN MOTORNEURON-LIKE CELLS INVOLVES ALTERATIONS OF THE GLUTATHIONE POOL

Tartari S* D, Alessandro G, Babetto E, Rizzardini M, Conforti L and Cantoni L

P28 - IDENTIFICATION OF HTRA2/OMI,S SUBSTRATES IN MITOCHONDRIA

Goo HG*, Seong YM, Rhim H and Kang S

P29 - TARGETED DELETION OF THE GENE ENCODING THE HEME-BINDING PROTEIN HEMOPEXIN CAUSES BRAIN IRON MISDISTRIBUTION IN MICE

Noemi Morello*, Elisabetta Tonoli, Federica Logrand, Sharmila Fagoonee, Emilia Turco, Lorenzo Silengo, Alessandro Vercelli, Fiorella Altruda and Emanuela Tolosano

P30 - NOGO RECEPTOR ANTAGONIZES P75NTR-DEPENDENT MOTOR NEURON DEATH

Luc DUPUIS, Mariana PEHAR, Patricia CASSINA, Frédérique RENE, Raquel CASTELLANOS, Caroline ROUAUX, Leda DIMOU, Martin E SCHWAB, Jean-Philippe LOEFFLER Luis BARBEITO & Jose-Luis GONZALEZ DE AGUILAR

P31 - ROLE OF THE DNA DAMAGE RESPONSE IN HUNTINGTON,S DISEASE

Merienne K*, Rau F, Coin F, Egly J M and Trottier Y

P32 - DOES MITOCHONDRIAL INVOLVEMENT AFFECT FIBROBLAST FUNCTIONING IN NEURONAL CEROID LIPOFUSCINOSES?

Pezzini F*, Marconi S, Vattemi G, Semebenini D, Rizzato N, Santorelli FM, Simonati A

P33 - A NOVEL TRANSFERRIN/TFR2-MEDIATED MITOCHONDRIAL IRON TRANSPORT SYSTEM IS DISRUPTED IN PARKINSON'S DISEASE.

Pier Giorgio Mastroberardino, Eric Hoffman Ranjita, Betarbet Hye, Mee Na, Charleen T Chu and John Timothy Greenamyre

P34 - NOVEL THERAPEUTICS FOR HD: A HIGH THROUGHPUT PATHWAY SCREEN APPROACH

Heitz F

P35 - PROTEOMIC ANALYSIS OF CEREBROSPINAL FLUID FROM AMYOTROPHIC LATERAL SCLEROSIS PATIENTS

Stefano Olivieri, Antonio Conti, Sandro Iannaccone, Angela Cattaneo, Angela Bachi, Barbara Sferrazza, Stefano Cappa and Massimo Alessio

P36 - DIETARY INDUCTION OF OXIDATIVE STRESS IN THE CNS OF APOE-DEFICIENT MICE

McCormick A, Marlatt M, Wolffe C, Finney E, Tanis K, Levine D, Savage M, Mitchell TW, Barbacci D, Stone DJ, Majercak J, Seabrook G, Ray WJ

P37 - THE AMINO TERMINUS OF MUTANT HUNTINGTIN INTEGRATES INTO AND AFFECTS THE EFFICIENCY OF THE BASAL TRANSCRIPTION MACHINERY IN VITRO

Hu H*, Hogel M, Gomez GT, Denovan-Wright EM

P38 - AMYLOID BETA-BINDING PROTEIN 17BETA-HYDROXYSTEROID DEHYDROGENASE TYPE 10 AND ALZHEIMER DISEASE

Kristofikova Z, Ripova D, Hovorkova P, Horinek A

P39 - ADENOVIRUS-MEDIATED TAU OVEREXPRESSION OR APOPTOSIS IN CEREBELLAR GRANULE NEURONS INDUCES DECREASE AND DETERGENT INSOLUBILITY OF ALPHA-SYNUCLEIN

G Amadoro§, A Gentile§*, V Corsetti, MT Ciotti, P Calissano

P40 - STEFIN B WT, E31Y AND G4R VARIANT FORM CHANNELS IN PLANAR LIPID MEMBRANES

Viero G, Rabzelj S, Anderluh G, Dalla Serra M, and Zerovnik E

P41 - IDENTIFICATION OF AN APP PARTNER WITH A BIOINFORMATIC APPROACH AND EXPERIMENTAL VALIDATION

Federico Tommaso, Bianchi Vanessa, Schubert Paola, Camera Carlos Dotti and Ferdinando Di Cunto

P42 - THE JOSEPHIN DOMAIN OF ATAXIN-3 ACCOMMODATES UBIQUITIN IN A HYDROPHOBIC CLEFT

Nicastro G*, Masino L, Menon RP, and Pastore A

P43 - HYPERPHOSPHORYLATED FILAMENTOUS TAU ACCUMULATES IN RETINAL GANGLION NEURONS OF P301S TAU TRANSGENIC MICE

Gasparini L*, Crowther RA, Martin K, Goedert M and Spillantini MG

P44 - SOLUTION STRUCTURE OF THE LRR DOMAIN OF LANP, A POTENTIAL MEDIATOR OF SPINOCEREBELLAR ATAXIA-1 PATHOGENESIS

de Chiara C*, Menon RP, and Pastore A

P45 - CORTICAL BRAIN DERIVED NEUROTROPHIC FACTOR (BDNF) UPREGULATION IS MEDIATED BY TYPE-1 CANNABINOID RECEPTOR AFTER STRIATAL EXCITOTOXIC LESIONS

Zena De March*, Chiara Zuccato*, Carmela Giampà, Stefano Patassini, Monica Bari, Valeria Gasperi, Mauro Maccarrone, Maria L de Ceballos, Giorgio Bernardi, Elena Cattaneo, and Francesca R Fusco

P46 - ULTRASTRUCTURAL STUDY OF MOTOR NEURON MITOCHONDRIA IN A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS AFTER PHARMACOLOGICAL TREATMENTS

Gioria M, Vitellaro-Zuccarello L, De Biasi S*, Fontana F, Bendotti C

P47 - MITOCHONDRIAL ACT AS SPATIAL AND TEMPORAL DECODERS OF SYNAPTIC CA₂₊ SIGNALS

Young KW, and Nicotera P

P48 - GLUTAMATE-MEDIATED CELL DEATH IN PRIMARY HIPPOCAMPAL NEURONS DOES NOT INVOLVE MITOCHONDRIAL RELEASE OF AIF
Piñón LGP*, Young KW and Nicotera P

P49 - DREAM HAS A NEUROPROTECTIVE ACTION BY REGULATING CALCIUM PERMEABILITY.

Sofía Domingo, Rosa Gomez-Villafuertes, Małgorzata Palczewska, Britt Mellström and Jose R Naranjo

P50 - MOTOR NEURON BASAL PROPERTIES AND RESPONSES TO AMPA RECEPTOR-MEDIATED EXCITOTOXICITY IN DIFFERENT PRIMARY CULTURES FROM MOUSE ANTERIOR HORN SPINAL CORDS

M De Paola*, V Diana, P Bigini and T Mennini

P51 - ASTROCYTES DIFFERENTIATED FROM ADULT NEURAL STEM CELLS OF WOBBLER MOUSE HAVE REDUCED GLUTAMATE UPTAKE AND DO NOT SUPPORT MOTOR NEURON SURVIVAL

Diana V*, Fumagalli E, Mennini T

P52 - RESVERATROL PROTECTS AGAINST OXYGEN AND GLUCOSE DEPRIVATION RAT HIPPOCAMPAL ORGANOTYPIC CULTURES AND ACTIVATES AKT AND INACTIVATES GSK-3BETA.

Zamin LL, Gerhardt D*, Horn AP, Frozza RL, Simão F and Salbego C

P53 - EFFECTS OF THE ADENOSINE A2A RECEPTOR ANTAGONIST SCH58621 ON CYCLOOXYGENASE-2 EXPRESSION, GLIAL ACTIVATION AND BDNF AVAILABILITY IN A RAT MODEL OF STRIATAL NEURODEGENERATION

Minghetti L*, Greco A, Potenza RL, Pezzolla A, Blum D, Bantubungi K and Popoli P

P54 - RNA APTAMERS TARGETTING GLUTAMATE ION CHANNELS AS ANTI-EXCITOTOXIC DURG CANDIDATES

Li Niu

P55 - THE ROLE OF METALS IN MISFOLDING AND AGGREGATION PROCESSES X-RAY SPECTROSCOPY AND NUMERICAL SIMULATIONS

Morante S

P56 - THE ROLE OF METAL IONS IN THE FIBRILLOGENESIS OF BETA-AMYLOID

*D Drago, M Bettella, L Cendron, G Tognon, P Zatta

P57 - MODEL FOR STEFIN B AMYLOID-FIBRILLATION FROM THE KINETICS & SIZE OF THE TOXIC OLIGOMERS.

Zerovnik E, Ceru S, Skerget K, Vilfan A, Jenko Kokalj S, Rabzelj S, Anderluh G, Turk V, Turk D and Staniforth RA

P58 - PrP82-146 AMYLOID: THE ROLE OF OLIGOMERS IN TRIGGERING NEURONAL DEGENERATION

Manzoni C*, Colombo L, Gobbi M, Beeg M, Tagliavini F, Forloni G, Salmona M

P59 - EARLY ALTERATIONS OF GLUTAMATE EXOCYTOSIS IN THE CEREBELLUM OF TRANSGENIC MICE EXPRESSING A PrP INSERTIONAL MUTATION

Colleoni S* Senatori A, Restelli E, Chiesa R, and Gobbi M

**P60 - PRESYMPTOMATIC ALTERATIONS OF CALCINEURIN-DEPENDENT
SYNAPSIN-I DEPHOSPHORYLATION IN THE CEREBELLUM OF
TRANSGENIC MICE EXPRESSING A MUTANT PRION PROTEIN**

Senatore A*, Colleoni S, Garofoli A, Restelli E, Forloni G, Gobbi M and Chiesa R

Poster Session II (P61-P120)

Monday, May 21, 2007

11:15-13:00

P61 - BEHAVIOR OF SKIN FIBROBLASTS IN HUNTINGTON,S DISEASE (HD): POSSIBLE ROLE OF TISSUE TRANSGLUTAMINASE

Melone MAB, Barone MV, Petillo O, Calarco A, Torpedine A, Margarucci S and Peluso G

P62 - ATOMIC FORCE MICROSCOPY ANALISYS OF ATAXIN-3 PREFIBRILLAR AGGREGATES AND AMYLOID FIBRILS

Riva M, Baserga A, Bottani CE, Tortora P, Regonesi ME

P63 - ANALYSIS OF THE MOLECULAR PATHOGENESIS OF UPR IN CMT 1B MICE

D'Antonio M, Musner N*, Pennuto M, Tinelli E, Quattrini A, Feltri ML and Wrabetz L

P64 - DISSECTING THE ROLE OF PHOSPHORYLATION IN MODULATING ALPHA-SYNUCLEIN FIBRILLISATION

Paleologou KE*, Fredenburg RA, Schmid A, Moniatte M, Chiappe D, Pignat V, Lansbury, Jr. PT, and Lashuel HA

P65 - 'IN VITRO' AGGREGATION OF THE ANDROGEN RECEPTOR WITH AN EXPANDED POLYGLUTAMINE TRACT

Palazzolo I, Bolzoni E, Gliozi A, Relini A, Beeg M, Salmona M, Poletti A.

P66 - ANALYSIS OF THE UBIQUITIN/PROTEASOME SYSTEM IN HUNTINGTON'S DISEASE USING GFP-BASED REPORTER SUBSTRATES

Maynard C J, Dantuma, N P

P67 - PPAR gamma-INDEPENDENT INHIBITION OF PI3K/AKT BY 15-DEOXY-delta12, 14-PROSTAGLANDIN J2 INCREASES P27KIP PROTEIN LEVELS IN IMMORTALIZED LYMPHOCYTES FROM ALZHEIMER,S DISEASE PATIENTS.

*Úrsula Muñoz, Fernando Bartolomé and Ángeles Martín-Requero

P68 - PROTEASOMAL INHIBITION AND APOPTOSIS REGULATORY CHANGES IN HUMAN ISOLATED LYMPHOCYTES: THE SYNERGISTIC ROLE OF DOPAMINE.

Bazzini E, Samuele A, Granelli M, Levandis G, Armentero MT, Nappi G and Blandini F

P69 - NEURODEGENERATION AND AXONAL DEVELOPMENT: THE DUAL ROLE OF THE MITOCHONDRIAL PARAPLEGIN-AFG3L2 COMPLEX

Maltecca F*, Cassina L, Magnoni R, Cox G A, Guénet J L, Previtali S C, Quattrini A, Casari G

P70 - INVOLVEMENT OF THE UBIQUITIN-PROTEASOME PATHWAY AND AUTOPHAGY IN THE CLEARENCE OF MUTANT ANDROGEN RECEPTOR IN THE SPINAL AND BULBAR MUSCULAR ATROPHY

Rusmini P*, Simonini F, Bolzoni, E, Poletti A

P71 - ER STRESS (PERK/eIF2ALPHA) STIMULATES THE CONSTITUTIVE AUTOPHAGE, WHICH DEGRADES ABNORMAL PROTEIN AGGREGATES INCLUDING POLYGLUTAMINE AGGREGATES

Momoi T, Kuroku Y and Fujita E

P72 - THE TRANSCRIPTIONAL REPRESSOR DREAM REGULATES APP PROCESSING IN THE BRAIN

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