

Curriculum Vitae

Massimo Pieri

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Dr. Massimo Pieri, Ph.D.

Date of Birth 21.10.1974; Rome, Italy

Marital situation: Married, 2 children

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Education:

- 1992-1993: High school degree, Liceo G.B. Morgagni, Rome.
- February 2002: Graduated in biology at University of Rome "La Sapienza"
- June 2002: Achievement of the license to practice as Biologist
- March 2007: Research doctorate (PhD) in Neuroscience at University of Rome "Tor Vergata".
- September 2016: Specialization in Clinical Biochemistry
- May 2018: National Scientific Qualification for Associate Professor 05 / E3 - in the Fourth Quarter (2016-2018) of CLINICAL BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY, valid from 04/05/2018 to 05/04/2024.

Training:

- June 2000-February 2002- He attended the Endocrine Laboratory of Pharmacology and Metabolism at the National Institute of Health in Rome, doing a thesis entitled "Effects of cannabinoids on learning space and hippocampal synaptic plasticity in rats", making behavioral and electrophysiological studies.
- May 2001- He attended the theoretical and practical course for staff working with laboratory animals, organized annually by the service quality and safety of animal experimentation at National Institute of Health in Rome.
- April 2002-December 2003- Telethon Fellow under the project No 1185 entitled "Functional study of motor neurons in a genetic model of amyotrophic lateral sclerosis (ALS)" using primary cultures of cortical neurons and spinal motor neurons, at the Laboratory of Biophysics of Prof. Cristina Zona, Department of Neuroscience, Human Physiology, University of Rome "Tor Vergata" and Laboratory of Neurobiophysics of IRCCS "Santa Lucia" - Rome.
- November 2003-October 2006- PhD in "NEUROSCIENCE" at University of Rome "Tor Vergata". During this period he attended the laboratory of Biophysics of Prof. Cristina Zona, Department of Neuroscience, Human Physiology, University of Rome Tor Vergata and Laboratory of Neurobiophysics 'IRCCS "Santa Lucia" - Rome.
- March 2007- February 2009- Research Fellowship, University of Rome "Tor Vergata", Department of Neuroscience, Faculty of Medicine.
- 2-6 December 2008- Participation at the course: "60 years after Hodgkin & Huxley through Kats
- & Miledy: combined techniques of electrophysiology, cell physiology and molecular study of membrane ion channels" at the Department of Physiology and Pharmacology V. Erspamer, University of Rome "La Sapienza".
- April 2009 - March 2011- Research Fellowship, University of Rome "Tor Vergata", Department of Neuroscience, Faculty of Medicine.
- June 2011- to now: Specialization in Clinical Biochemistry at University of Rome "Tor Vergata", Department of Experimental Medicine and Surgery, Faculty of Medicine,

Rome Italy. Sections of Clinical Biochemistry, Hematology, and Protein.

- November 2012-2014 Research Fellowship, University of Rome "Tor Vergata", Department of Medicine System, Faculty of Medicine; CLINICAL BIOCHEMISTRY.
- June 2014- Internship at the Laboratory of Molecular Virology (Tor Vergata University Hospital; Prof. Perno).
- June 2015- 2016. Internship at the Laboratory of Forensic Toxicology, University of Rome "Tor Vergata", department of Biomedicine And Prevention, Faculty of Medicine, Rome Italy.
- 2014-2016 Research Fellowship, University of Rome "Tor Vergata", Department of Medicine System, Faculty of Medicine; CLINICAL BIOCHEMISTRY.
- December 2016-today. External consultant of Lifebrain Italia; Quality Department (UNI EN ISO 15189: 2013; UNI EN ISO 9001: 15).
- MILAN, 8 - 9 November 2017 1st COURSE: ISO 15189 ACCREDITATION FROM THEORY TO PRACTICE.
- MILAN, 16-17 May 2018 2nd COURSE: ISO 15189 ACCREDITATION FROM THEORY TO PRACTICE.
- December 2018- today. Technical director of two laboratories.

Research Interest:

Dr. Pieri's studies have dealt with neuronal excitability, ionic channels modulation and mechanisms of action of drugs on the Central Nervous System using electrophysiological techniques on animal models. Another major field of interest of Dr. Pieri has been the Amyotrophic Lateral Sclerosis (ALS). In this respect, he has focused on the altered functionality of the voltage-dependent-ionic channels and ionotropic receptors in a genetic model of ALS. During these years, Dr. Pieri managed to learn the basic techniques for obtaining primary cultures from spinal cord and cerebral cortex. Molecular Biology; RT PCR; Isolation, culture and characterization of murine neuron cells; isolation, culture and characterization of human muscle cells. Immunofluorescence, Western blot and Cell lines. Identification of substances of abuse using immunoenzymatic assay, gas chromatography equipped with a flame ionization detector (GC-FID) and gas chromatography-mass spectrometry (GC-MS).

Ability to work in-group experience gained during university, where it was essential to the collaboration between co-workers and subordinates. Organizational capacity. Ability to work independently.

In this last period he dedicated himself to the quality of the laboratory and to the management of quality in the laboratory both in the private and public sphere

Scientific Societies:

2014- Today Member of The SIBioC

2009- 2014 Member, The Physiological Society of Italy (SIF).

Teaching

2009-2010 Teaching on Course of Physiology in the Bachelor of Physiotherapy, Faculty of Medicine, University of Rome "Tor Vergata".

2010-2011 Teaching on Course of Physiology in the Bachelor of Physiotherapy, Faculty of Medicine, University of Rome "Tor Vergata".

2011-2012 Teaching on Course of Physiology in the Bachelor of Physiotherapy, IRCCS S.Lucia, Rome. 2014-2015 Teaching on Master in: Ethical, regulatory and methodological aspect of clinical trials, Faculty of Medicine, University of Rome "Tor Vergata".

2015-2016 Teaching on Course of Drug Analysis Application in the Degree course in Pharmacy Faculty of Pharmacy, University of Rome "Tor Vergata".

2015-2016 Teaching on Course of Biochemical Chemistry in the Bachelor of Science and Sport techniques, Faculty of Medicine, University of Rome "Tor Vergata".

2016-2017 Teaching on Course of Biochemical Chemistry in the Bachelor of Science and Sport techniques, Faculty of Medicine, University of Rome "Tor Vergata".

2017-2018 Teaching on Course of Biochemical Chemistry in the Bachelor of Science and Sport techniques, Faculty of Medicine, University of Rome "Tor Vergata".

2018-2019 Teaching on Course of Biochemical Chemistry in the Bachelor of Science and Sport techniques, Faculty of Medicine, University of Rome "Tor Vergata".

h-index on the date 10/052018, obtained from SCOPUS, is 18.

Publications

1. PIERI M, PIGNALOSA S, FRANCESCHINI L, RIZZO M, CANTONETTI M, ZENOBI R, BERNARDINI S, DESSI M. *NEPHELOMETRIC ASSAY OF URINE FREE LIGHT CHAINS: AN ALTERNATIVE AND EARLY CLINICAL TEST FOR BENCE-JONES PROTEIN QUANTIFICATION*. **CLIN CHEM LAB MED**. 2018 NOV 27;**56**(12):E313-E315. DOI: 10.1515/CCLM-2018-0402.
2. PIERI M, ZENOBI R, MORELLO M, STORTO M, BUTTARI F, CENTONZE D, BERNARDINI S, DESSI M. *MULTIPLE SCLEROSIS: KFLC INDEX VALUES RELATED TO GENDER*. **MULT SCLER RELAT DISORD**. 2018 NOV;**26**:58-60. DOI: 10.1016/J.MSARD.2018.08.018.
3. KHASHOGGI H, PIGNALOSA S, RUSSO C, PIERI M, BERNARDINI S. *NEW HPLC INSTRUMENT PERFORMANCE EVALUATION IN HBAIC DETERMINATION AND COMPARISON WITH CAPILLARY ELECTROPHORESIS*. **SCAND J CLIN LAB INVEST**. 2018 SEP;**78**(5):393-397. DOI: 10.1080/00365513.2018.1487072.
4. SANCESARIO GM, NUCCETELLI M, CERRI A, ZEGERER J, SEVERINI C, CIOTTI MT, PIERI M, MARTORANA A, CALTAGIRONE C, NISTICO R, BERNARDINI S. *BROMELAIN DEGRADES Aβ1-42 MONOMERS AND SOLUBLE AGGREGATES: AN IN VITRO STUDY IN CEREBROSPINAL FLUID OF ALZHEIMER'S DISEASE PATIENTS*. **CURR ALZHEIMER RES**. 2018;**15**(7):628-636. DOI: 10.2174/1567205015666180123124851.
5. MARTELLO S., PIERI M., IALONGO C., PIGNALOSA S., NOCE G., VERNICH F., RUSSO C., MINEO F., BERNARDINI S., MARSELLA LT.. *LEVAMISOLE IN ILLICIT TRAFFICKING COCAINE SEIZED: A ONE-YEAR STUDY*. **J PSYCHOACTIVE DRUGS**. 2017 NOV-DEC;**49**(5):408-412. DOI: 10.1080/02791072.2017.1361558.
6. PIERI M., STORTO, M., PIGNALOSA, S., ZENOBI, R., BUTTARI, F., BERNARDINI, S., CENTONZE, D., DESSI, M. *KFLC INDEX UTILITY IN MULTIPLE SCLEROSIS DIAGNOSIS: FURTHER CONFIRMATION*. **JOURNAL OF NEUROIMMUNOLOGY VOL 309, 15 AUGUST 2017, PAGES 31-33**
7. PIERI M., PIGNALOSA, S., ZENOBI, R., DESSI, M. *AUTHOR'S RESPONSE TO LETTER TO THE EDITOR BY N. MESSAOUDANI, R. DJIDJIK AND M. GHAFFOR PUBLISHED IN JNI 266 (2014) ENTITLED "COMMENTS ON CSF KFLC ASSAY EVALUATION IN ASSESSING INTRATHECAL SYNTHESIS"*. **JOURNAL OF NEUROIMMUNOLOGY VOL 306, 15 MAY 2017, PAGE 19**
8. IALONGO, PIERI M., BERNARDINI, S. *SMART MANAGEMENT OF SAMPLE DILUTION USING AN ARTIFICIAL NEURAL NETWORK TO ACHIEVE STREAMLINED PROCESSES AND SAVING RESOURCES: THE AUTOMATED NEPHELOMETRIC TESTING OF SERUM FREE LIGHT CHAIN AS CASE STUDY*. **CCLM VOLUME 55, ISSUE 2, 1 FEBRUARY 2017, PAGES 231-236**
9. IALONGO, PIERI M., BERNARDINI, S. *ARTIFICIAL NEURAL NETWORK FOR TOTAL LABORATORY AUTOMATION TO IMPROVE THE MANAGEMENT OF SAMPLE DILUTION: SMART AUTOMATION FOR CLINICAL LABORATORY TIMELINESS*. **SLAS TECHNOLOGY, VOL 22, ISSUE 1, 2017, PAGES 44-49**
10. M. PIERI, S. PIGNALOSA, R. ZENOBI, C. CALLA, F. G. MARTINO, G. MENICHELLA, F. MANCINA, U. MOSCATO, G. NOCCA, H. KHASHOGGI, S. BERNARDINI, M. DESSI, DI DANIELE. *REFERENCE INTERVALS FOR HBAIC PARTITIONED FOR GENDER AND AGE: A MULTICENTER STUDY*. **ACTA DIABETOLOGICA; OTTOBRE 2016, DOI: 10.1007/S00592-016-0932-3**
11. MASSIMO PIERI, STEFANO PIGNALOSA, VINCENZO DINALLO, ANNA CRISANTI, PAOLO CASALINO. *FREE LIGHT CHAINS NEPHELOMETRIC ASSAY: HUMAN URINE STABILITY IN DIFFERENT STORAGE CONDITION*. **CLIN CHEM LAB MED 2016; 54(9): E273-E274**
12. PIERI M, DE STEFANO A, FRANCESCHINI L, RIZZO M, DURANTI F, BERNARDINI S, CANTONETTI M, ZENOBI R, DESSI M. *MINIMAL TUMOUR BURDEN IN HAEMATOLOGICAL DISEASES: A STEP FORWARD WITH QUANTITATIVE ASSESSMENT OF BENCE-JONES IN NEPHELOMETRY?* **BR J HAEMATOL**. 2015 DEC 18. DOI: 10.1111/BJH.13878.
13. MUSILLI M, CIOTTI MT, PIERI M, MARTINO A, BORRELLI S, DINALLO V, DIANA G. *THERAPEUTIC EFFECTS OF THE RHO GTPASE MODULATOR CNF1 IN A MODEL OF PARKINSON'S DISEASE*. **NEUROPHARMACOLOGY**. 2016 OCT;**109**:357-65. DOI: 10.1016/J.NEUROPHARM.2016.06.016.

14. SABA L, VISCOMI MT, CAIOLI S, PIGNATARO A, BISICCHIA E, PIERI M, MOLINARI M, AMMASSARI-TEULE M, ZONA C. *ALTERED FUNCTIONALITY, MORPHOLOGY, AND VESICULAR GLUTAMATE TRANSPORTER EXPRESSION OF CORTICAL MOTOR NEURONS FROM A PRESYMPTOMATIC MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS*. **CEREB CORTEX**. 2016 APR;26(4):1512-28. DOI: 10.1093/CERCOR/BHU317.
15. DURANTI FABIO, PIERI MASSIMO, ZENOBI ROSSELLA, CENTONZE DIEGO, BUTTARI FABIO, BERNARDINI SERGIO, DESSI MARIARITA. *KFLC INDEX: A NOVEL APPROACH IN EARLY DIAGNOSIS OF MULTIPLE SCLEROSIS (CASE REPORT)*. **IJSR - INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH**. 2015 (I.F. 3,241)
16. CLAUDIO LIGUORI, VINCENZO DINALLO, MASSIMO PIERI, FRANCESCA IZZI, ANDREA ROMIGI, CRISTIANO, MARIA GRAZIA MARCIANI, SERGIO BERNARDINI, NICOLA BIAGIO MERCURI, FABIO PLACIDI. *MICRORNA EXPRESSION IS DYSREGULATED IN NARCOLEPSY: A NEW EVIDENCE?* **SLEEP MEDICINE** 16 (2015) 1027–1028. (I.F. 3,154)
17. C MOLLINARI, M RACANIELLO, A BERRY, M PIERI, M C DE STEFANO, A CARDINALE, C ZONA, F CIRULLI, E GARACI AND D MERLO. *MIR-34A REGULATES CELL PROLIFERATION, MORPHOLOGY AND FUNCTION OF NEWBORN NEURONS RESULTING IN IMPROVED BEHAVIOURAL OUTCOMES*. **CELL DEATH AND DISEASE** (2015) 6, E1622; DOI:10.1038/CDDIS.2014.589. (I.F. 5.014)
18. PIERI M, MARTINO FG, ZENOBI R, PIGNALOSA S, DURANTI F, DE GREGORIO F, BERNARDINI S AND DESSI M. *EMOGLOBINA GLICATA IN BASE AL GENERE: POSSIBILI VALORI DI RIFERIMENTO. GLYCATED HEMOGLOBIN ACCORDING TO GENDER: POSSIBLE REFERENCE VALUES*. **RIVISTA ITALIANA DELLA MEDICINA DI LABORATORIO**, 2015; 11 (2), PP. 103-105.
19. PIERI MASSIMO, DURANTI FABIO, CENTONZE DIEGO, BUTTARI FABIO, BERNARDINI SERGIO, DESSI MARIARITA. *K INDEX IN CEREBROSPINAL FLUID: A VALID TOOL IN MULTIPLE SCLEROSIS DIAGNOSIS*. **RIVISTA ITALIANA DELLA MEDICINA DI LABORATORIO**, 2014; 10 (3), PP. 167-171
20. DESSI M, PIERI M, PIGNALOSA S, MARTINO FG, ZENOBI R. *PERFORMANCES OF CAPILLARY ELECTROPHORESIS AND HPLC METHODS IN HBA_{1c} DETERMINATION: DIAGNOSTIC ACCURACY IN HBS AND HBD-IRAN VARIANTS' PRESENCE*. **J CLIN LAB ANAL**. 2014 MAR 28. DOI: 10.1002/JCLA.21728. (I.F. 1,038)
21. DESSI M, DI GIOVAMBERARDINO G, PIERI M, NOCE A, ZENOBI R, DI DANIELE N, PASTORE A. *INFLUENCE OF DIALYSIS TECHNIQUES AND ALTERNATE VITAMIN SUPPLEMENTATION ON HOMOCYSTEINE LEVELS IN PATIENTS WITH KNOWN MTHFR GENOTYPES*. **CLIN EXP NEPHROL**. 2014 MAR 21. (I.F. 1,71)
22. DURANTI, F., PIERI, M., CENTONZE, D., BUTTARI, F., BERNARDINI, S., DESSI, M. *DETERMINATION OF KFLC AND K INDEX IN CEREBROSPINAL FLUID: A VALID ALTERNATIVE TO ASSESS INTRATHECAL IMMUNOGLOBULIN SYNTHESIS*. **J NEUROIM**. 2013, 263 (1-2): 116-20. (I.F.2,467)
23. CAIOLI, S., PIERI, M., ANTONINI, A., GUGLIELMOTTI, A., SEVERINI, C., ZONA, C. *MONOCYTE CHEMOATTRACTANT PROTEIN-1 UPREGULATES GABA-INDUCED CURRENT: EVIDENCE OF MODIFIED GABAA SUBUNIT COMPOSITION IN CORTICAL NEURONS FROM THE G93A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS*. **NEUROPHARMACOLOGY**. 2013; 73: 247-60.
24. PIERI, M., CAIOLI, S., CANU, N., MERCURI, N.B., GUATTEO, E., ZONA, C. *OVER-EXPRESSION OF N-TYPE CALCIUM CHANNELS IN CORTICAL NEURONS FROM A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS*. **EXP. NEUROL**. 2013, 247: 349-58.
25. CAIOLI S, CURCIO L, PIERI M, ANTONINI A, MAROLDA R, SEVERINI C AND ZONA CRISTINA. *SUBSTANCE P RECEPTOR INDUCES DOWNREGULATION OF THE AMPA RECEPTOR FUNCTIONALITY IN CORTICAL NEURONS FROM A GENETIC MODEL OF AMYOTROPHIC LATERAL SCLEROSIS*. **NEUROBIOL. DIS**. 2011 Oct;44(1):92-101.
26. VENEROSI A, MARTIRE A, RUNGI A, PIERI M, FERRANTE A, ZONA C, POPOLI P, CALAMANDREI G. *COMPLEX BEHAVIORAL AND SYNAPTIC EFFECTS OF DIETARY BRANCHED CHAIN AMINO ACIDS IN A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS*. **MOL NUTR FOOD RES**. 2011 APR;55(4):541-52.
27. CARUNCHIO I, CURCIO L, PIERI M, PICA F, CAIOLI S, VISCOMI MT, MOLINARI M, CANU N, BERNARDI G, ZONA C. *INCREASED LEVELS OF P70S6 PHOSPHORYLATION IN THE G93A MOUSE*

- MODEL OF AMYOTROPHIC LATERAL SCLEROSIS AND IN VALINE-EXPOSED CORTICAL NEURONS IN CULTURE. EXP. NEUROL. 2010 NOV, 226(1): 218-30.*
- 28.** BARBATO C, RUBERTI F, PIERI M, VILARDO E, COSTANZO M, CIOTTI MT, ZONA C, COGONI C. *MICRORNA-92 MODULATES K(+) CL(-) CO-TRANSPORTER KCC2 EXPRESSION IN CEREBELLAR GRANULE NEURONS. J NEUROCHEM. 2010 MAY, 113(3):591-600.*
 - 29.** ZONA C, PIERI M, CARUNCHIO I, CURCIO L, KLITGAARD H, MARGINEANU DG. *BRIVARACETAM (UCB 34714) INHIBITS NA(+) CURRENT IN RAT CORTICAL NEURONS IN CULTURE. EPILEPSY RES. 2010 JAN;88(1):46-54.*
 - 30.** LOIZZO S, PIERI M, FERRI A, CARRÌ MT, ZONA C, FORTUNA A, VELLA S. *DYNAMIC NAD(P)H POST-SYNAPTIC AUTOFLUORESCENCE SIGNALS FOR THE ASSESSMENT OF MITOCHONDRIAL FUNCTION IN A NEURODEGENERATIVE DISEASE: MONITORING THE PRIMARY MOTOR CORTEX OF G93A MICE, AN AMYOTROPHIC LATERAL SCLEROSIS MODEL. MITOCHONDRION. 2010 Mar;10(2):108-14.*
 - 31.** MOLLINARI C, RICCI-VITIANI L, PIERI M, LUCANTONI C, RINALDI AM, RACANIELLO M, DE MARIA R, ZONA C, PALLINI R, MERLO D, GARACI E. *DOWNREGULATION OF THYMOSIN BETA4 IN NEURAL PROGENITOR GRAFTS PROMOTES SPINAL CORD REGENERATION. J CELL SCI. 2009 NOV 15;122(Pt 22):4195-207.*
 - 32.** PIERI M, AMADORO G, CARUNCHIO I, CIOTTI MT, QUARESIMA S, FLORENZANO F, CALISSANO P, POSSENTI R, ZONA C, SEVERINI C. *SP PROTECTS CEREBELLAR GRANULE CELLS AGAINST BETA-AMYLOID-INDUCED APOPTOSIS BY DOWN-REGULATION AND REDUCED ACTIVITY OF KV4 POTASSIUM CHANNELS. NEUROPHARMACOLOGY. 2010 JUL 2; 58: 268-76.*
 - 33.** SPADONI O, CRESTINI A, PISCOPO P, MALVEZZI-CAMPEGGI L, CARUNCHIO I, PIERI M, ZONA C, CONFALONI A. *GENE EXPRESSION PROFILES OF APP AND BACE1 IN TG SOD1G93A CORTICAL CELLS. CELL MOL NEUROBIOL. 2009 JUL;29(5):635-41. EPUB 2009 FEB 13.*
 - 34.** PIERI M, CARUNCHIO I, CURCIO L, MERCURI NB, ZONA C. *INCREASED PERSISTENT SODIUM CURRENT DETERMINES CORTICAL HYPEREXCITABILITY IN A GENETIC MODEL OF AMYOTROPHIC LATERAL SCLEROSIS. EXP. NEUROL. 2009 Feb;215(2):368-79.*
 - 35.** CARUNCHIO I, MOLLINARI C, PIERI M, MERLO D, ZONA C. *GABAA RECEPTORS PRESENT HIGHER AFFINITY AND MODIFIED SUBUNITS COMPOSITION IN SPINAL MOTOR NEURONS FROM A GENETIC MODEL OF AMYOTROPHIC LATERAL SCLEROSIS. EUROP. J. NEUROSCI. 2008 OCT;28(7):1275-85.*
 - 36.** GUATTEO E, CARUNCHIO I, PIERI M, ALBO F, CANU N, MERCURI NB, ZONA C. *ALTERED CALCIUM HOMEOSTASIS IN MOTOR NEURONS FOLLOWING AMPA RECEPTOR BUT NOT VOLTAGE-DEPENDENT CALCIUM CHANNELS' ACTIVATION IN A GENETIC MODEL OF AMYOTROPHIC LATERAL SCLEROSIS. NEUROBIOL. DIS., 2007 JUL. 28; 90-100.*
 - 37.** AMADORO G., PIERI M, CIOTTI MT., CARUNCHIO I., CANU N., CALISSANO P., ZONA C., SEVERINI C. *SUBSTANCE P PROVIDES NEUROPROTECTION IN CEREBELLAR GRANULE CELLS THROUGH AKT AND MAPK/ERK ACTIVATION: EVIDENCE FOR THE INVOLVEMENT OF THE DELAYED RECTIFIER POTASSIUM CURRENT, NEUROPHARMACOLOGY, 2007 MAY; 52(6):1366-77. (I.F.=3.637)*
 - 38.** CARUNCHIO I., PIERI M, CIOTTI M.T., ALBO F., ZONA C. *MODULATION OF AMPA RECEPTORS IN CULTURED CORTICAL NEURONS INDUCED BY THE ANTI-EPILEPTIC DRUG LEVETIRACETAM, EPILEPSIA, 2007 APR; 48 (4): 654-62. (I.F.=3.267)*
 - 39.** DIANA G, VALENTINI G, TRAVAGLIONE S, FALZANO L, PIERI M, ZONA C, MESCHINI S, FABBRI A, FIORENTINI C. *ENHANCEMENT OF LEARNING AND MEMORY AFTER ACTIVATION OF CEREBRAL RHO GTPASES. PROC. NATL. ACAD. SCI. U S A, 2007 JAN 9; 104(2):636-41.(I.F.=10.231)*
 - 40.** ZONA C, PIERI M, CARUNCHIO I. *VOLTAGE-DEPENDENT SODIUM CHANNELS IN SPINAL CORD MOTOR NEURONS DISPLAY RAPID RECOVERY FROM FAST INACTIVATION IN A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS. J. NEUROPHYSIOL., 2006 Dec; 96(6):3314-22.(I.F.=3.853)*
 - 41.** PIERI M, SEVERINI C, AMADORO G, CARUNCHIO I, BARBATO C, CIOTTI MT, ZONA C. *AMPA RECEPTORS ARE MODULATED BY TACHYKININS IN RAT CEREBELLUM NEURONS. J. NEUROPHYSIOL., 2005 OCT;94(4):2484-90.(I.F.=3.853)*

- 42.** LISI A, CIOTTI MT, LEDDA M, PIERI M, ZONA C, MERCANTI D, RIETI S, GIULIANI L, GRIMALDI S. *EXPOSURE TO 50 HZ ELECTROMAGNETIC RADIATION PROMOTE EARLY MATURATION AND DIFFERENTIATION IN NEWBORN RAT CEREBELLAR GRANULE NEURONS*. *J. CELL. PHYSIOL.*, 2005 AUG;204(2):532-8. (I.F.=4.362)
- 43.** CRESTINI A, ZONA C, SEBASTIANI P, PIERI M, CARACCILO V, MALVEZZI-CAMPEGGI L, CONFALONI A, LORETO SD. *EFFECTS OF SIMULATED MICROGRAVITY ON THE DEVELOPMENT AND MATURATION OF DISSOCIATED CORTICAL NEURONS*. *IN VITRO CELL. DEV. BIOL. ANIM.*, 2004 MAY;40(5):159-165. (I.F.=1.261)
- 44.** ALBO F, PIERI M, ZONA C. *MODULATION OF AMPA RECEPTORS IN SPINAL MOTOR NEURONS BY THE NEUROPROTECTIVE AGENT RILUZOLE*. *J. NEUROSCI RES.*, 2004 OCT 15;78(2):200-7. (I.F.=3.239)
- 45.** PIERI M, ALBO F, GAETTI C, SPALLONI A, BENGTON C.P., LONGONE P, BERNARDI G, CAVALCANTI S, ZONA C. *ALTERED EXCITABILITY IN MOTOR NEURONS EXPRESSING A CU,ZN SUPEROXIDE DISMUTASE TYPICAL OF FAMILIAL ALS*. *NEUROSCI. LETT.*, 2003 NOV 20;351(3):153-6. (I.F.=1.898)
- 46.** PIERI M, GAETTI C, SPALLONI A, CAVALCANTI S, MERCURI N., BERNARDI G, LONGONE P, ZONA C. *ALPHA-AMINO-3-HYDROXY-5-METHYL-ISOXAZOLE-4-PROPIONATE RECEPTORS IN SPINAL CORD MOTOR NEURONS ARE ALTERED IN TRANSGENIC MICE OVEREXPRESSING HUMAN CU,ZN SUPEROXIDE DISMUTASE (GLY⁹³ → ALA) MUTATION*. *NEUROSCIENCE*, 2003;122(1):47-58. (I.F.=3.410)
- 47.** DIANA G, PIERI M, MALLONI M, *EFFECTS OF THE SYNTHETIC CANNABINOID NABILONE ON SPATIAL LEARNING AND HIPPOCAMPAL NEUROTRANSMISSION*. *PHARMACOL. BIOCHEM. BEHAV.*, 2003 JUN;75(3):585-91. (I.F.=1.970)
- 48.** DIANA G, PIERI M, VALENTINI G, *EFFECTS OF WIN 55,212-2 ON HIPPOCAMPAL CA1 LONG-TERM POTENTIATION IN EXPERIMENTS CONTROLLED FOR BASAL GLUTAMATERGIC SYNAPTIC TRANSMISSION*. *EUROPEAN JOURNAL OF PHARMACOLOGY*, 2002 OCT 25; VOL.453 (2-3): 251-254. (I.F.=2.47)

Other Publications

- 1.** ZONA C., PIERI M., ALBO F., LONGONE P., SPALLONI A., GAETTI C., CAVALCANTI S., *FUNCTIONAL STUDIES OF SPINAL MOTOR NEURONS IN A GENETIC MODEL OF AMYOTROPHIC LATERAL SCLEROSIS (ALS)*. *ATTI DEL CONVEGNO TELETHON 2002 SCIENTIFIC CONVENTION RIVA DEL GARDA 24-26 NOVEMBRE*.
- 2.** LISI A., CIOTTI M.T., PIERI M., ZONA C., RIETI S., LEDDA M., MERCANTI D., GIULIANI L., GRIMALDI S. *EARLY EXPRESSION OF GLUTAMATE ACID RECEPTOR ON CENTRAL NERVOUS SYSTEM CELLS IN NEWBORN RATS BY ELF MAGNETIC FIELD*. *TWENTY-FIFTH ANNUAL MEETING, JUNE 22-27, 2003 WAILEA, MAUI, HAWAII*.
- 3.** ALBO F., PIERI M., ZONA C. *MODULATION BY RILUZOLE OF KAINATE-INDUCED CURRENTS IN MOUSE CULTURED MOTONEURONS*. *14TH INTERNATIONAL SYMPOSIUM ON ALS/MND 17 - 19 NOVEMBER 2003 MILANO*.
- 4.** PIERI M., ALBO F., LONGONE P., ZONA C. *ALTERED EXCITABILITY IN CORTICAL NEURONS EXPRESSING A CU,ZN SUPEROXIDE DISMUTASE TYPICAL OF FAMILIAL ALS*. *14TH INTERNATIONAL SYMPOSIUM ON ALS/MND 17 - 19 NOVEMBER 2003 MILANO*.
- 5.** ALBO F.; PIERI M.; SPALLONI A.; BERNARDI G.; LONGONE P.; ZONA C. *ALTERATA INATTIVAZIONE DEI CANALI DEL NA⁺ VOLTAGGIO-DIPENDENTI NEI MOTONEURONI SPINALI IN UN MODELLO FAMILIARE DI SCLEROSI LATERALE AMIOTROFICA (FSLA)*. *CONGRESSO NAZIONALE DELLA SOCIETÀ ITALIANA DI NEUROSCIENZE, PISA 26-28/09/2003*.

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