

CURRICULUM VITAE

Name: Rosalba Parenti

Place and Date of birth: Catania, December 23-1965

Present address: Department of Bio-Medical Sciences,
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Actual position:

- Professor of Physiology at the Department of Bio-Medical Sciences, Section of Physiology, University of Catania.
- Supervisor animal research of the University of Catania.
- Member of Institutional animal care and use committee (I.A.C.U.C.)
- Regional Supervisor (Sicilia) of the European Biomedical Research Association (EBRA)
- Member of the PhD in Biotechnology
- Member of Academic Senate

Education:

- April 1989: Advanced degree in Pharmacy, University of Catania.
- May 1989: Qualification for the practice of the profession of chemist.
- October 1995: PhD in "Neurosciences " University of L'Aquila.
- July 1996: Assistant Professor of Physiology (BIO/09), School of Pharmacy, University of Catania, Italy.
- Dicember 2003: Associate Professor of Physiology (BIO/09), University of Catania.
- From October 2008 to October 2009: Vice-Director of the Department of Physiological Sciences.
- From October 2009 to Dicember 2010 Director of the Department of Physiological Sciences

Research experience:

- 1994: Ecole Normale Superieure. Developpment et evolution du systeme nerveux, Equipe atipe niveau 3. CNRS URA. Paris.
- 1996: Universidad de Sevilla. Departamento de Ciencias Morfologicas.
- 1998: International Institute of Genetic and Biophysic. CNR, Napoli.
- 2005-2007: Functional Genomic Center. Institute of Neurological Sciences. CNR, Catania.
- 1987 to present: Department of Physiological Science (now: Department of Bio-Medical Sciences, Section of Physiology) University of Catania.

Scientific Interests:

Anatomo-functional organization of the SNC. Development of the SNC. Gap-Junctions intercellular communication. Functional role of genes involved in the development of the SNC. Functional role of genes involved in neurodegeneration. Apoptosis. Experimental cancer models to study antitumoral therapies. Cancer. Drug delivery.

Scientific Competences:

Neuroanatomy. Molecular Biology. Electrophysiology. Neuroanatomy. Cellular Physiology. Molecular Biology. Genomic and Proteomic

Actual Funding:

“Il recettore per la transferrina di tipo I: un potenziale biomarker per nuove strategie diagnostiche e terapeutiche nei tumori della tiroide”. PRIN 2008.

“Allestimento di modelli sperimentali di xenotrapianto di cellule staminali neoplastiche umane, utili per lo studio delle terapie antitumorali” Scientific agreement between “Casa di Cura Musumeci – Gecas” and Department of Physiological Sciences.

Teaching Activities:

Prof Rosalba Parenti plays her teaching activities in the University of Catania, Italy.

From 1996 to present teaching activities have been so developed:

From AA 1996-97: Assistant activities to official courses

From AA 1999-to present: Teaching of Physiology for the Faculty of Pharmacy.

From AA 2000-to present: Teaching of Biology for the Faculty of Pharmacy.

Principal Articles

1. Parenti R, Perris R, Vecchio GM, Salvatorelli L, Torrisi A, Gravina L, Magro. G. Immunohistochemical expression of Wilms' tumor protein (WT1) in developing human epithelial and mesenchymal tissues. *Acta Histochem.* 2012 Jun 4. [Epub ahead of print].
2. Paratore S, Ciotti MT, Basille M, Vaudry D, Gentile A, Parenti R, Calissano P, Cavallaro S. Gastric Inhibitory Polypeptide and its Receptor are Expressed in the Central Nervous System and Support Neuronal Survival. *Cent Nerv Syst Agents Med Chem.* 2011 Sep 15. [Epub ahead of print] PubMed PMID: 21919873.
3. G. Magro, I. Cataldo, P. Amico, A. Torrisi, G.M. Vecchio, R. Parenti, S. Asioli, D. Recupero, V. D'Agata, M.T. Mucignat, G. Bussolati, R. Perris. Aberrant expression of TfR1/CD71 in thyroid carcinomas identifies a novel potential diagnostic marker and therapeutic target. *Thyroid* 2011. Mar;21(3):267-77.
4. Zappalà A, Parenti R, La Delia F, Cicirata V, Cicirata F. Expression of connexin57 in mouse development and in harmaline-tremor model. *Neuroscience.* 2010 Nov 24;171(1):1-11.
5. Parenti R, Cicirata F, Zappalà A, Catania A, La Delia F, Cicirata V, Tress O, Willecke K. Dynamic expression of Cx47 in mouse brain development and in the cuprizone model of myelin plasticity. *Glia.* 2010 Oct;58(13):1594-609.
6. S. Paratore, R. Parenti and S. Cavallaro. Distribution of ADP-ribosylation factor-related protein 1 in mouse brain. *Archives Italiennes de Biologie* 2008, 146: 53-61.
7. Parenti R, Paratore S, Torrisi A, Cavallaro S. A natural antisense transcript against Rad18, specifically expressed in neurons and upregulated during beta-amyloid-induced apoptosis. *Eur J Neurosci.* 2007 Nov;26(9):2444-57. Epub 2007 Oct 26.
8. Paratore S, Parenti R, Torrisi A, Copani A, Cicirata F, Cavallaro S. Genomic profiling of cortical neurons following exposure to beta-amyloid. *Genomics.* 2006 Oct;88(4):468-79.
9. Zappala A, Cicero D, Serapide MF, Paz C, Catania MV, Falchi M, Parenti R, Panto MR, La Delia F, Cicirata F. Expression of pannexin1 in the CNS of adult mouse: cellular localization and effect of 4-aminopyridine-induced seizures. *Neuroscience.* 2006 Aug 11;141(1):167-78.
10. Cicirata F, Zappala A, Serapide MF, Parenti R, Panto MR, Paz C. Different pontine projections to the two sides of the cerebellum. *Brain Res Brain Res Rev.* 2005 Sep;49(2):280-94.
11. Cicirata F, Serapide MF, Parenti R, Panto MR, Zappala A, Nicotra A, Cicero D. The basilar pontine nuclei and the nucleus reticularis tegmenti pontis subserve distinct cerebrocerebellar pathways. *Prog Brain Res.* 2005;148:259-82.
12. R Parenti & F.Cicirata. Retinoids and binding proteins in the cerebellum during lifetime. *The Cerebellum.* Vol 3 , n°1, pp 16-20 (2004)

13. F. Cicirata, A. Nicotra, D. Cicero, R. Parenti, A. Zappala`. Cloning and expression pattern of connexin39, a new member of the gap junction gene family isolated from the neural tube of chicken embryos. *GENE* Vol 328 pp 121-126. (2004).
14. R. Parenti, A. Zappala', M.F. Serapide, M.R. Panto' and F. Cicirata. The projections of the basilar pontine nuclei and nucleus reticularis tegmenti pontis to the cerebellar nuclei of the rat. *JCN* , 14;452(2):115-27, (2002).
15. R. Parenti, M. Wassef and F. Cicirata. Expression of CRABP I mRNA in fastigial cells of the developing cerebellum. *EJN*, 15, pp. 211-215, (2002).
16. R. Parenti, A. Campisi, A. Vanella and F. Cicirata. Immunocytochemical and RT-PCR analysis of connexin36 in cultures of mammalian glial cells. *Archives Italiennes de Biologie*, 140: 101-108, (2002).
17. M. F. Serapide, R. Parenti, M.R. Pantò, A. Zappalà and F. Cicirata. Multiple zonal projections of the nucleus reticularis tegmenti pontis to the cerebellar cortex of the rat. *EJN*, 15, 1854-1858, (2002).
18. M.F. Serapide, A. Zappalà, R. Parenti, M.R. Pantò, F. Cicirata. Laterality of the pontocerebellar projections in the rat. *EJN*, 15, 1551-1556 (2002).
19. M.R.Pantò, A.Zappalà, R.Parenti, M.F.Serapide, F.Cicirata. The corticonuclear projection of the cerebellum are arranged according to both anteroposterior and mediolateral pairing patterns. *EJN*, 13, 694-708 (2001).
20. M.F.Serapide, M.R.Pantò, R.Parenti, A.Zappalà, F.Cicirata. Multiple zonal projections of the basilar pontine nuclei to the cerebellar cortex of the rat. *J Comp Neurol*, 430, 471-484 (2001).
21. M. Gulisano*, R. Parenti*, F. Spinella and F. Cicirata. Cx36 is dynamically expressed during early development of mouse brain and nervous system. *Neuroreport*, vol. 11 No 7, 1497-1502 (2000). *both authors contributed equally to this work.
22. F. Cicirata, R. Parenti, F. Spinella, S. Giglio, F. Tuorto, O. Zuffardi and Massimo Gulisano. Genomic organization and chromosomal localization of the mouse Connexin36 (mCx36) gene. *Gene*, 251, 123-130 (2000).
23. R.Parenti, M.Gulisano, A.Zappalà, F.Cicirata. Expression of connexin36 mRNA in adult rodent brain. *Neuroreport*, vol. 7, 1497-1502 (2000).
24. D. F. Condorelli, R. Parenti, F. Spinella, A. Trovato Salinaro, N. Belluardo, V. Cardile, F. Cicirata. Cloning of a new gap junction gene (Cx36) highly expressed in mammalian brain neurons. *EJN*, vol 10, 1202-1208 (1998).
25. M.R. Pantò, F. Cicirata, R. Parenti, M. F. Serapide, and V. Albanese. Diverging projections from the C2 and D2 olivocorticonuclear cerebellar pathways of the rat. *Neuroscience*, vol 86, No 1, pp 7-11 (1998).
26. Copani A, Casabona G, Bruno V, Parenti R, Cicirata F, Knopfel T, Kuhn V, Nicoletti F. Metabotropic glutamate receptor mGluR5: a key regulator of neuronal selection? In

Metabotropic Glutamate Receptors and Brain Function (Eds: F. Moroni, F. Nicoletti, D.E. Pellegrini-Giampietro), Portland Press, London, pp. 215-223, (1998).

27. R. Parenti, F. Cicirata, M.R. Pantò and M. F. Serapide. The projections of the lateral reticular nucleus to the deep cerebellar nuclei. An experimental analysis in the rat. *EJN* 8 (10): 2157-2167 (1996).
28. M.R. Pantò, F. Cicirata, P. Angaut, R. Parenti and M.F. Serapide The projection from the primary motor and somatic sensory cortex to the basilar pontine nuclei. A detailed electrophysiological and anatomical study in the rat. *J. Brain Res*, 36, 1, 7-19 (1995).
29. M.F. Serapide, F.Cicirata, C. Sotelo, M.R. Pantò, R Parenti. The pontocerebellar projection: longitudinal zonal distribution of fibres from discrete regions of the pontine nuclei to vermal and parafloccular cortices in the rat. *Brain Res*, 644, 175-180 (1994).

Monographs

1. F. Cicirata, L. Ciranna, R. Parenti 2009. Fisiologia. Dalle molecole ai sistemi integrati. EDISES. Cap. 14 pp: 203-237.
2. Co-editor of the italian edition of "Biologia" Russell, Wolfe, Hertz, Starr, and McMillan. EDISES.

Altre pubblicazioni:

1. Parenti R, Torrisi A, Gravina L, Cauchi A, Salvatorelli L, Vecchio G, Magro G (2011). Nuclear and cytoplasmatic expression of the Wilms' tumour (WT1) protein during human embryonic/fetal development. In: Acta Physiologica. Sorrento, 25-27 Settembre, vol. Volume 203, supplement 688, p. 205.
2. Salvatorelli L, Bisceglia M, Vecchio G, Parenti R, Galliani C, Alaggio R, Gurrera A, Torrisi A, Magro G (2011). A comparative immunohistochemical study of oncofetal cytoplasmic WT1 expression in human fetal, adult and neoplastic skeletal muscle. Congresso SIAPEC IAP 2011. Palermo, 27-29 Ottobre 2011.
3. Parenti R, Torrisi A, Magro G. Aberrant expression of Tfr1/CD71 in thyroid carcinomas identifies a novel potential diagnostic marker and therapeutic target. Acta Physiologica. 2010, vol. 200, suppl. 681, p. 150.
4. G. Li Volsi, R. Parenti, A. Recca. 2009. Student exchange program between two universities: a suggested route. EMUNI Higher Education and Research. Portorož, Slovenia. p 1-19.
5. R. Parenti, A. Zappalà, A. Catania, M. Falchi and F. Cicirata. Dynamic expression of Cx47 in brain development and in the cuprizone model of myelin plasticity. 5th Meeting SIN. Molecular mechanisms in Neuroscience. Milan 19-20 June 2008.
6. R Parenti, A. Zappalà, A. Catania and F.Cicirata, Connexin47 expression during development and in vivo demyelination and remyelination model in mouse. Acta Physiologica. 2007.
7. R Parenti, A. Torrisi, S. Paratore and S. Cavallaro, 2006. A natural antisense Rad18 transcript, selectively expressed in neurons and differentially regulated during beta-amyloid induced apoptosis. Acta Physiologica Vol 188 Suppl 652: p.17.
8. R Parenti, A. Zappalà, D. Cicero, F. La Delia and F.Cicirata, 2006. Developmental expression of Connexin 47 in the central nervous system of the mouse. Acta Physiologica Vol 188 Suppl 652: pp.118-119.
9. A. Zappalà, MF Serapide, R Parenti, MR Pantò and F.Cicirata, 2006. The pontine nuclei project to cerebellar nuclei and/or cerebellar cortex with both coupled and uncoupled pattern. Acta Physiologica Vol 188 Suppl 652: p.253.

10. S. Paratore, R Parenti , A. Torrisi, A. Copani, F. Cicirata, S. Cavallaro. Genomic profiling of cortical neurons following exposure to beta-amyloid. Atlanta 2006.
11. F.Cicirata, A. Zappalà, , R Parenti, MF Serapide and MR Pantò. Anatomic-functional identification of cerebellar module concerned in skilled finger movements and exploration of the environment. Neuroscience 2005. SFNth Annual Meeting, Washington 2005.
12. A. Zappalà, R Parenti, D. Cicero, M.V. Catania, F. La Delia and F.Cicirata. Expression of pannexin 1 protein in the central nervous system of adult mouse. Acta Physiologica Vol 188 Suppl 652: p.129.
13. S. Paratore, R Parenti, A. Torrisi, F. Cicirata and S. Cavallaro. Gene expression profiles of beta-amyloid induced apoptosis of rat cortical neurons. Congresso SINS. Ischia 2005.
14. R Parenti, NM Sposi, A. Messina, F. Spinella, V. De Pinto, U. Testa and F.Cicirata. Multiple connexin expression in human peripheral lymphocytes. 54° Congresso SIF. Chieti 29 Sett-2 Ott 2003.
15. F.Cicirata, R Parenti, MF Serapide, A. Zappalà and MR Pantò. Projections to the cerebellar nuclei (CN) from the basilar pontine nuclei (BPN) and nucleus reticularis tegmenti pontis (NRTP) of the rat. FENS Forum, Paris 13-17 July 2002.
16. Gulisano M., Parenti R., Tuorto F., Spinella F., Zappalà A., Nicotra A., Luca T., Campione P. and Cicirata F. Ruolo di una nuova connessina (Cx36) nelle patologie neurologiche. 10a Convention Scientifica Telethon - Ancona 2001.
17. A. Zappalà, R Parenti, MF Serapide, MR Pantò and F.Cicirata. The laterality of the pontocerebellar pathway. 52° Riunione SIF. Ancona 25-28/09/01.
18. Parenti R., Campisi A., Spinella F., Vanella A. and Cicirata F. Connexin36 expression in rat microglia and oligodendrocyte cell cultures. SIF 12-14 Febbraio 2001.
19. Gulisano M., Parenti R., Tuorto F., Spinella F., Zappalà A., Nicotra A., Luca T., Campione P. and Cicirata F. Ruolo di una nuova connessina (Cx36) nelle patologie neurologiche. 9a Convention Scientifica Telethon - Rimini 12-14/11/00.
20. F.Cicirata, MF Serapide, MR Pantò, R Parenti and M.Gulisano Anatomic arrangement and gene expression of the pontocerebellar pathway. New vista on the functional cerebellar architecture. 51° Riunione autunnale SIF. Catania 25-27/09/00.
21. Campisi A., Parenti R., Spinella F., Vanella A., Cicirata F., Immunohistochemical study of connexin36 in cultured glial cells. September 2000. Naples. Italian Biochemical Society Transactions (IBST). Vol.15-2000-12-05.
22. Spinella F., Messina A., Parenti R., De Pinto V., Cicirata F. Intercellular communication in the immune system: expression of connexin 36 in peripheral human leukocytes. September 2000. Naples. Italian Biochemical Society Transactions (IBST). Vol.15-2000.
23. F.Cicirata, G.Corte, R.Wehrle, A.Zappalà, R.Parenti, M.Gulisano, C.Sotelo. Regional distribution and cellular characterization of connexin 36 protein in the central nervous system of adult mouse. FENS, Brighton (2000).
24. A.Zappalà, G.Corte, M.Gulisano, R.Parenti and F.Cicirata Preparation and immunohistochemical assay of a polyclonal antibody against connexin 36. SIF, Firenze (2000).
25. M.R.Pantò, A.Zappalà, M.F.Serapide, R.Parenti, F.Cicirata. Bidimensional (anteroposterior and mediolateral) arrangement of the corticonuclear projections of the cerebellum. SIF, Roma (1999).
26. F.Cicirata, M.R.Pantò, M.F.Serapide, R.Parenti, A.Zappalà. The corticonuclear projections of the cerebellum of rat are arranged in a bidimensional pattern. Gerusalemme Congress, Neuroscience (1999).
27. F.Cicirata, R.Parenti, M.F.Serapide, M.R.Pantò and A.Zappalà. Different projection pattern of the basilar pontine nuclei (BPN) and the nucleus reticularis tegmenti pontis (NRTP) to the paleocerebellum. Riunione primaverile Firenze SIF, (1999).

28. F.Cicirata, A.Zappalà, M.R.Pantò, R.Parenti and M.F.Serapide The paraflocculus lobe of the two sides are projected upon from different neurons of the basilar pontine nuclei. Firenze, SIF, (1999).
29. Cicirata F, Pantò MR, Parenti R., Serapide MF, Zappalà A. The olivocorticonuclear pathways are organized with diverging pattern. Eur. J. Neuroscience, 10, suppl.10, (1998), 119.08.
30. Parenti R., Simeone A, Gulisano M, Cicirata F. Pattern of expression in mammalian brain of a new gap junction gene (Cx36). Eur. J. Neuroscience 10, suppl.10, (1998), 53.13.
31. M.R.Pantò, F.Cicirata, R.Parenti, M.F.Serapide, A.Zappalà. Divergent Projections from the cerebellar cortex to the deep cerebellar nuclei (CN). Meeting Congiunto Sif/Sibpa, Pavia 6-8 October (1997).
32. D. F. Condorelli, R. Parenti, F. Spinella, A. Trovato Salinaro, N. Belluardo, V. Cardile, F. Cicirata. Cloning of a new member of the connexin family expressed in central nervous system neurons. SIB, Ancona, (1997), IBST vol. 9, No 8.12, pp.306.
33. R. Parenti. Proiezioni pontocerebellari nel ratto. Abstract del V Convegno nazionale “Giovani cultori delle Neuroscienze”, Pisa, (1996).
34. G. Casabona, F. Gasparini, R. Kuhn, P. Baumann, M.V.Catania, R. Parenti, F. Cicirata, T. Knopfel, e F. Nicoletti. mGlu5 receptor is early expressed during postnatal development and mediates the stimulation of polyphosphoinositide (PI) hydrolysis by mGlu receptor agonist in brain tissue. Neuropharmacology vol. 35, No 6 June (1996).
35. R. Parenti, M.F. Serapide, M.R. Pantò e F. Cicirata. Projections from the basilar pontine nuclei (BPN) to the cerebellar cortex (CC) and nuclei (CN). 2nd Meeting of European Neuroscience, Strasbourg, 24-28 September (1996).
36. G. Casabona, R. Parenti, M.V.Catania, R. Kuhn, T. Knopfel, F. Gasparini, F. Cicirata e F. Nicoletti. Expression and coupling to phosphoinositide (PI) hydrolysis of group-I metabotropic glutamate receptors (mGluRs) in early postnatal and adult rat brain. American Neuroscience, Washington, November 16-21, (1996).
37. R. Parenti Analisi dell'organizzazione morfo-funzionale del cervelletto. Tesi del dottorato di ricerca in Neuroscienze VII ciclo (1995).
38. Cicirata F., Pantò M.R., Serapide M.F. and Parenti R. Input-output study of the subnucleus lateralis parvocellularis (slp) of the rat cerebellum. Abstract of the Satellite Symposium of the Meeting of European Neuroscience. Rotterdam, August 31- September 3, (1995).
39. Serapide M.F., Cicirata F., Sotelo C. Parenti R. and Pantò M.R. Topographic zonal organization of the basilar pontine nuclei (BPN) projections to the paraflocculus (PFL), posterior vermis (PV) and Crus II of the cerebellar cortex of the rat. Abstract of the Satellite Symposium of the Meeting of European Neuroscience. Rotterdam, August 31- September 3, (1995).
40. R. Parenti, Cicirata F., Pantò M.R. and Serapide M.F.. The projections of the nucleus reticularis lateralis to the cerebellar nuclei of the rat. Abstract of the Satellite Symposium of the Meeting of European Neuroscience. Rotterdam, August 31- September 3, (1995).
41. R. Parenti, F. Cicirata e M. Wassef. CRABP I distribution in the developing mouse cerebellum. Atti della Riunione primaverile SIF, Firenze (1995).
42. M.R. Pantò, R. Parenti, M.F. Serapide e F. Cicirata. The D2 band of the cerebellar cortex projects to the nucleus lateralis (NL) with a diverging topographic pattern. Atti Congresso SIF, Firenze, (1995).
43. M.R. Pantò, F. Cicirata, R. Parenti e M.F. Serapide. A diverging topographic projection of the D2 and the C2 cerebellar bands to the cerebellar nuclei. ENA Congress, Amsterdam, (1995).
44. M.F. Serapide, F. Cicirata, C. Sotelo, M.R. Pantò e R. Parenti. Zonal arrangement of the pontine projections to the parafloccular (Pfl) and vermal cortices of the cerebellum in the rat. Supplement No.7 to the European Journal of Neuroscience, 124.04.

45. M.F. Serapide, F. Cicirata, C. Sotelo, M.R. Pantò, R. Parenti e P. Siciliano. Zonal arrangement of the pontine terminal fibers onto the paraflocculus (Pfl) and lobule VII of the cerebellum. Atti della XXI Riunione primaverile SIF, Firenze (1994).
46. M.R. Pantò, F. Cicirata, R. Parenti, M.F. Serapide e P. Siciliano. Descending projections from "high" brain regions to the subnucleus lateralis parvocellularis (slp) of the cerebellum of the rat. Atti della XXI Riunione primaverile SIF, Firenze (1994).
47. R. Parenti, F. Cicirata, M.R. Pantò, M.F. Serapide e P. Siciliano. Afferences to the intracerebellar nuclei: a multitracer study in the rat. Atti della XXI Riunione primaverile SIF, Firenze (1994).
48. R. Parenti, F. Cicirata, M.F. Serapide, M.R. Pantò e P. Siciliano. A topographic and quantitative study of projections from pontine and brain stem regions to the cerebellar nuclei of the rat. Madrid, 18-21 September (1993). Supplement No. 6 to the European Journal of Neuroscience.
49. R. Parenti, M.F. Serapide, P. Siciliano, R. Calvagna, M.R. Pantò e F. Cicirata. Pontine projections to the lateral cerebellar nucleus in the rat. Riunione congiunta SIBS- SIF- SINU, Pavia, 8-10 Settembre (1993).
50. F. Cicirata, R. Parenti, M.R. Pantò e M.F. Serapide. Afferences to the paraflocculus (pfl) and to the lateral cerebellar nucleus (LN) of the rat. Atti della XX Riunione primaverile SIF, Firenze, Pflugers Archiv, 6-8 Aprile (1993).
51. F. Cicirata, M.R. Pantò, R. Parenti. Input-Output relationship of the paraflocculus-subnucleus lateralis parvocellularis region of the cerebellum of the rat. Abstracts of the 15th Annual Meeting of the European Neuroscience Association. Munich 13-17 September (1992). Supplement No. 5 to the European Journal of Neuroscience.
52. M.R. Pantò, R. Parenti. Teloceptive cortical projections to the pontine nuclei of the rat. Atti della XIX Riunione primaverile SIF, Firenze, 15-17 Aprile (1992), Pflugers Archiv - European Journal of Physiology.
53. R. Parenti, M.F. Serapide e F. Cicirata. The cythochrome oxidase activity in the cerebellum of rat. Atti della XIX Riunione primaverile SIF, Firenze, 15-17 Aprile (1992), Pflugers Archiv - European Journal of Physiology.
54. M.R. Pantò, R. Parenti, G. Nicotra and F. Cicirata. Somatosensory and motor cortical projections to the pontine nuclei of the rat: a topographical and electrophysiological study. Atti del meeting autunnale SIF, XLIII Annual General Congress, Sorrento, 23-26 September (1991), Pflugers Archiv.- European Journal of Physiology.
55. R. Parenti Functional organization of the cerebral somatosensory and motor cortical areas projections to the pontine nuclei. In "Giovani cultori delle neuroscienze". Società Italiana di Neuroscienze. III Convegno nazionale, 28-30 Novembre, (1991).
56. M.F. Serapide, M.R. Pantò, G. Nicotra, R. Parenti, F. Cicirata. Organizzazione motoria del nucleo cerebellare laterale di ratto. Boll. Soc. It. Biol. Sper., (1991), N.4 - Vol. LXVII.
57. F. Cicirata, M.F. Serapide, M.F. Pantò, G. Nicotra, R. Parenti. Multiple representation of the forearm in the lateral cerebellar nucleus (NL) of the rat. "Control of arm movement in space. Neurophysiological and computational approaches". Satellite Symposium of the XIII European Neuroscience Association Meeting, Spoleto 14-16 September (1990).
58. M.R. Pantò, F. Cicirata, R. Parenti The pontine projections to the neocerebellum of the rat Atti della XVII Riunione primaverile SIF, Firenze, 19-21 Aprile (1990), Pflugers Archiv.