Isabelle PERROTEAU
Curriculum Vitae

Address: Department of Clinical and Biological Sciences
University of Turin
Regione Gonzole 10
10043 Orbassano,
Torino, Italy.
email: isabelle.perroteau@unito.it

Born in Rouen (France), married, with two sons (born on 1986 and 1989)
Italian citizen since 1992

Mother tongue: French
Other languages: Italian (fluent), English (good)

Education and training

-Oct 1976/Jun 1980 : Master degree in Biology and Physiology, University of Rouen (F). This Master degree has been declared equipollent to the "Laurea in Scienze Biologiche" by the University of Turin (I) on December 17, 1987.
-1983 "Docteur d'Université" in Cell and Molecular Biology, University of Rouen, France
-1983/1985: Fogarty Fellow, National Cancer Institute, Bethesda, USA
-1986/1990 Consultant at the Biomedical Research Institute (RBM) "A. Marxer", Ivrea, Italy
-1990/1991: Fellow of the European Community for the project entitled: "Cell communication and neuronal differentiation", Dept of Human and Animal Biology, University of Turin (I).

Academic carrier

-1992/2001: Associate Prof. in Comparative Anatomy and Citology, teaching cell biology, University of Turin (I).
-2001/present: Full Prof. in Comparative Anatomy and Citology, teaching cell biology, University of Turin (I).
-2000/present: Member of the Neuroscience PhD graduate Faculty, University of Turin (I).
-Jan 2006/present: Member of the Center for Complex System in Molecular Biology and Medicine, University of Turin.
-2007/present: Member of Turin Institute for Neurosciences.

Academic duties

-2001/2004: Director of the Biology program, Faculty of Sciences, University of Turin (I).
-2003/2009: Member of the Human Resource Committee of the Faculty of Sciences, University of Turin (I).

-2006/2009: Contact Person of the University of Turin for the European Project TEMPUS – HERBS (JEP-400094_2005, Higher Education Reform in Biological Sciences). Participating universities: Université de Nice Sophia Antiopolis (France, coordinator), Universidad Complutense de Madrid (Spain), Universities of Belgrad, Novi Sad, Kragujevac and Nis (Republic of Serbia).
-2007/2011: Delegate of the University of Turin in the board of Directors of the Association for Scientific and Technological Development in Piemonte.
-2010/2014: Contact Person of the University of Turin for the European Project TEMPUS – ISIS (510935-TEMPUS-1-2010-1-FR-TEMPUS-JPCR, Scientific International Master for Biotechnology and Neuroscience in South Mediterranean area). Partner universities: Bordeaux (France, coordinator), Université Aix-Marseille (France), Université de Nice Sophia Antiopolis (France), Universidad de Valencia (Spain), Alexandria University (Egypt), Université francophone Senghor (Egypt), Université St Joseph e Faculté de Médecine, Beirut (Libano) Université du St Esprit de Kaslik (Libanon); Université Cadi Ayyad, Marrakech (Morocco), Université Abdelmalek Essaadi, Tetouan (Morocco); associated partners: Research center GDRI Neuro, Msarseille (France), NEUREX-Réseau européen dans le domaine des sciences du cerveau, Strasbourg (France) and Landau Network Centro Volta, Como (Italia)
-2011/2013: Contact person of the University of Turin for the European Biosecurity Awareness Raising Network (EU-BAR-Net) ISEC action grant project number HOME/2010/ISEC/AG/CBRN-001, partner universities: University of Milan (UNIMI), University of Coimbra (COIMBRA), Biology Education Centre, University of Uppsala (UPPSALA), Centro di Cultura Scientifica Alessandro Volta (LNCV) Como, coordinator.
-2013/present: Deputy-director of the Department of Clinical and Biological Sciences, Univeristy of Turin

Expertise in evaluation and Quality Assurance

-2002/2004: Responsible for the CRUI-CAMPUS project in biology, University of Turin. Coordinator of the auto-evaluation reports subjected to external audit.
-2004: Technical University Expert for Accreditation, Regione Piemonte.
-2005/2006: Responsible for the accreditation of the bachelor biology program, Coordinator of the accreditation and quality culture group of the Faculty, University of Turin.
-2005/2011: Member of the Directory Comity and Secretary of the Italian University National Council for Tuning in Biology (CBUI).
-2007/09: Member of the Valuation Board of the University of Turin.
-2009/2012: Director of the Valuation Board of the University of Turin, responsible for the valuation reports of the university of Turin for the academic years 2009, 2010 and 2011.
-2011/present: Delegate of the University of Turin as member of the scientific comity of the Association for Scientific and Technological Development in Piemont.
-2013: Rector's delegate for Quality Assurance, University of Turin
-2013-2014: Member of the Valuation Board of the health local department 3 of Turin (A.S.L. TO3)
-2013-2014: Member of the Expert board for the Swiss Center of Accreditation and Quality Assurance in Higher Education (OAQ).
-2014: Member of the Expert board of the Italian national agency for teaching and research evaluation (ANVUR)

ICT and Teaching innovation

- 2003-2008: Conception and project manager of the virtual atlas for Comparative Anatomy, Histology, Plant Biology, Ecology, Zoology, Micropaleontology and Petrography (www.atlante.unito.it)
- 2004-present: Implementation and administration of the "Campusnet" platform (developped by C. Rivetti from the university of Parma) for the administration and teaching of the Biology programs and the PhD program in Neurosciences. Since then, this platform has been adopted by the University of Turin as the reference platform for all teaching programs and for static delivery of teaching materials.
- 2008-present: Administrator and content expert of Moodle platforms for Biology programs and for the International Master in Neurosciences and Biotechnology activated in the framework of the 510935-TEMPUS-1-2010-1-FR-TEMPUS-JPCR project. Online teaching to students from France, Spain, Italy, Morocco, Egypt and Lebanon.
- 2008-present: Coaching of teachers (Faculty of Sciences, Tempus project, Department for Clinical and Biological Sciences) for teaching innovation (implementation of active learning activities and flipped lectures). Collaboration with the department of Computer Sciences for the integration of virtual slides in moodle activities including quiz.
- 2014: Accomplishement of the Mooc "Coaching Teachers: Promoting changes that stick" from Match Teacher Residency and Charles Sposato GSE'S by Cousera.org.

Scientific interest and activities:

Cell Biology and neurosciences: Growth factors, tyrosine kinase receptors and signal transduction; Olfactory system and neurogenesis in the adult central nervous system; Cell adhesion and migration Recombinant proteins and cellular transplants; ErbB and neuregulins; Nerve repair in the peripheral nervous system; Gene therapy. Biomaterials (in collaboration with the Department of Mechanics, Politecnico di Torino). Biosecurity and dual use.

Co-organiser of the Workshop " Surgical repair and regenerative potentiality of peripheral nerves", May 5th 2005, Turin
Co-organiser of the Workshop "New approaches in Central and Peripheral Nervous System lesions repair", October 10th 2006, Turin
Co-organiser of the 2° International Symposium on Peripheral Nerve Regeneration", January 23-25 2014, Turin

Awards:

"Gene therapy for promoting nerve regeneration after tubulization repair" by Stefano Geuna, Isabelle Perroteau, Bruno Battiston, Pierluigi Tos: Best paper award of the International Society for Experimental Microsurgery, Timisoara, 2012.

Main recent grants

-2003: Responsible of a Research Unit in the MURST-FIRB grant (S. Geuna Responsible of the project) "Experimental study on peripheral nerve repair by means of autologous tissue grafts and synthetic scaffolds"
-2003: Responsible of research fellowship for the study of "nasal to brain route" as an alternative approach for drug delivery, Research Institute "Cesare Serono spa", Rome
-2004: Responsible of research fellowship for the confocal microscopy study of "nasal to brain route" of Interferon-beta, Research Institute "Cesare Serono spa" Rome
-2005: Recipient of a research grant from Regione Piemonte for the project entitled "Experimental study on peripheral nerve repair"
-2005: Recipient of an award TESINA (TEchnology Scouting IN Accademia) from the Canavese Bioindustry Park (Ivrea) for the production of recombinant peptides of the neuregulin/ErbB family
-2005: Coordinator of the project CIPE Regione Piemonte 2004 “New Biomedical technologies for regeneration of surgical repaired peripheral nerves and reduction of denervated muscles atrophy”, co-responsible A. Graziani (Novara).
-2005: Coordinator of PRIN “ Effects of NRG1 on peripheral nerve regeneration and denervated skeletal muscle”, co-responsibles S. Geuna (Turin) and A. Graziani (Novara)
-2005: Responsible of the research project “Role of Neuregulin/ErbB system in cellular regulations” , University of Turin
-2006: Recipient of a research grant “Ghrelin effect on skeletal muscles atrophy prevention in a genetic model of Duchenne dystrophy”, Regione Piemonte
-2006: Recipient of a research grant “Role of Neuregulin/ErbB system in nervous regeneration”, University of Turin
-2007: Academic tutor of the PROTEINN project for the introduction of young graduate in PMI for the development of technological projects and innovation N.152, Turin
-2007: Recipient of a research grant “Sperimental study of nrg/erbB system in peripheral nerve repair with muscle-vein combined guides”, Regione Piemonte.
-2007: Responsible of research project “Role of neuregulins in neuronal and glial differentiation”, University of Turin.
-2007: Academic tutor of the project World Wide Style “ Bioinformatics and biomolecular analysis of genes involved in cellular migration induced by the stimulus of Neuregulin/ErbB system” CRT foundation.
-2008: Recipient of a research grant “studio delle regolazioni del sistema NRG/erbB in cellule gliali e neuronali” University of Turin.
-2008: Recipient of a research grant “Potenziamento della risposta rigenerativa nel sistema nervoso periferico”, Regione Piemonte.
-2008: Recipient of a research grant “Recettori erbb e trattamenti rigenerativi neuromuscolari”, Regione Piemonte
-2009: Recipient of a research grant “Eps8 e trattamenti rigenerativi sperimentali nel sistema nervoso periferico”, Regione Piemonte
-2009-2013: Coordinator of the multicentre research grant “Moving again! New approaches arising from molecular neuroscience for the treatment of movement impairment”, Compagnia di San Paolo
-2011-2014: Member of the EU-FP7-Health-2011-collaborative project 278612 entitled: “Biohybrid templates for peripheral nerve regeneration”.

-2012-2014: Research unit coordinator in EU-UNICRI CBRN-2012-project 18 entitled: “International Network of Universities and Institutes for Raising Awareness on Dual-Use Concerns in Bio-Technology”.
-2013-2017: Research unit coordinator in the project EU-FP7-PEOPLE-2012-IRSES-318997 entitled: "Neuroscience Research Exchange Network",

Publications

Gambarotta G, Ronchi G, Geuna S, **Perroteau I**. Neuregulin 1 isoforms could be an effective therapeutic candidate to promote peripheral nerve regeneration. Neural Regen Res. (2014) 9:1183-5.

Pascal D, Giovannelli A, Gnavi S, Hoyng SA, de Winter F, Morano M, Fregnan F, Dell'Albani P, Zaccheo D, Perroteau I, Pellitteri R, Gambarotta G. Characterization of glial cell models and in vitro manipulation of the neuregulin1/ErbB system. Biomed Res Int. (2014) 310215. doi 10.1155/2014/310215. Epub 2014 Aug 7.

Gambarotta G, Ronchi G, Friard O, Galletta P, **Perroteau I**, Geuna S. Identification and validation of suitable housekeeping genes for normalizing quantitative real-time PCR assays in injured peripheral nerves. PLoS One (2014); 9(8):e105601.

Gnavi S, di Blasio L, Tonda-Turo C, Mancardi A, Primo L, Ciardelli G, Gambarotta G, Geuna S, **Perroteau I.** Gelatin-based hydrogel for vascular endothelial growth factor release in peripheral nerve tissue engineering. J Tissue Eng Regen Med. (2014) Jun 19. doi: 10.1002/term.1936. [Epub ahead of print].

Tonda-Turo C, Gnavi S, Ruini F, Gambarotta G, Gioffredi E, Chiono V, **Perroteau I**, Ciardelli G. Development and characterization of novel agar and gelatin injectable hydrogel as filler for peripheral nerve guidance channels. J Tissue Eng Regen Med. (2014) Apr 16. doi: 10.1002/term. 1902. [Epub ahead of print].

Fregnan F, Gnavi S, Macrì L, **Perroteau I**, Gambarotta G. The four isoforms of the tyrosine kinase receptor ErbB4 provide neural progenitor cells with an adhesion preference for the transmembrane type III isoform of the ligand neuregulin 1. Neuroreport (2014); 25:233-41.

Geuna S, **Perroteau I**, Tos P, Battiston B. Peripheral nerve repair is no longer a matter of surgical reconstruction only. Int Rev Neurobiol. (2013); 109 :xi-xii.

Geuna S, **Perroteau I**, Tos P, Battiston B. Preface. Tissue engineering of the peripheral nerve: stem cells and regeneration promoting factors. Int Rev Neurobiol. (2013); 108:xiii-xiv.

Gambarotta G, Fregnan F, Gnavi S, **Perroteau I**. Neuregulin 1 role in Schwann cell regulation and potential applications to promote peripheral nerve regeneration. Int Rev Neurobiol. (2013); 108:223-56.

Geuna S, Gnavi S, **Perroteau I**, Tos P, Battiston B. Tissue engineering and peripheral nerve reconstruction: an overview. Int Rev Neurobiol. (2013); 108:35-57.

Moimas S, Novati F, Ronchi G, Zacchigna S, Fregnan F, Zentilin L, Papa G, Giacca M, Geuna S, **Perroteau I**, Arnež ZM, Raimondo S. Effect of vascular endothelial growth factor gene therapy on post-traumatic peripheral nerve regeneration and denervation-related muscle atrophy. Gene Ther. (2013) 20:1014-21

Tonda-Turo C, Cipriani E, Gnavi S, Chiono V, Mattu C, Gentile P, **Perroteau I**, Zanetti M, Ciardelli G. Crosslinked gelatin nanofibres: preparation, characterisation and in vitro studies using glial-like cells. Mater Sci Eng C Mater Biol Appl. (2013) 33:2723-35.

Ronchi G, Gambarotta G, Di Scipio F, Salamone P, Sprio AE, Cavallo F, **Perroteau I**, Berta GN, Geuna S. ErbB2 receptor over-expression improves post-traumatic peripheral nerve regeneration in adult mice. PLoS One. 2013;8(2):e56282.

Porporato PE, Filigheddu N, Reano S, Ferrara M, Angelino E, Gnocchi VF, Prodam F, Ronchi G, Fagoonee S, Fornaro M, Chianale F, Baldanzi G, Surico N, Sinigaglia F, **Perroteau I**, Smith RG, Sun Y, Geuna S, Graziani A. Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice. J Clin Invest (2013) 123:611-22

Audisio C, Mantovani C, Raimondo S, Geuna S, **Perroteau I**, Terenghi G. Neuregulin1 administration increases axonal elongation in dissociated primary sensory neuron cultures. Exp Cell Res. (2012), 318(5):570-7.

Pregno G, Zamburlin P, Gambarotta G, Farcito S, Licheri V, Fregnan F, **Perroteau I,** Lovisolo D, Bovolin P. Neuregulin1/ErbB4-induced migration in ST14A striatal progenitors: calcium-dependent mechanisms and modulation by NMDA receptor activation. BMC Neurosci. (2011) 12:103.

Fregnan F, Petrov V, Garzotto D, De Marchis S, Offenhäuser N, Grosso E, Chiorino G, **Perroteau I,** Gambarotta G. Eps8 involvement in neuregulin1-ErbB4 mediated migration in the neuronal progenitor cell line ST14A.

Exp Cell Res. (2011) 317(6):757-69.

Chiono V, Sartori S, Rechichi A, Tonda-Turo C, Vozzi G, Vozzi F, D'Acunto M, Salvadori C, Dini F, Barsotti G, Carlucci F, Burchielli S, Nicolino S, Audisio C, **Perroteau I**, Giusti P, Ciardelli G. Poly(ester urethane) Guides for Peripheral Nerve Regeneration. Macromol Biosci. 2011;11(2): 245-56.

Ronchi G, Raimondo S, Varejão AS, Tos P, **Perroteau I**, Geuna S. Standardized crush injury of the mouse median nerve. .J Neurosci Methods. 2010 Apr 30;188(1):71-5.

Audisio C, Raimondo S, Nicolino S, Gambarotta G, Di Scipio F, Macrì L, Montarolo F, Giacobini-Robecchi MG, Porporato P, Filigheddu N, Graziani A, Geuna S, **Perroteau I**. Morphological and biomolecular characterization of the neonatal olfactory bulb ensheathing cell line. J Neurosci Methods. 2009; 185(1):89-98.

Battiston B, Raimondo S, Tos PL, Gaidano V, Audisio C, Scevola A, **Perroteau I**, Geuna S. Tissue engineering of peripheral nerve. Int. Rev. Neurobiol. 2009; 87:227-49

Chiono V, Vozzi G, Vozzi F, Salvadori C, Dini F, Carlucci F, Arispici M, Burchielli S, Di Scipio F, Geuna S, Fornaro M, Tos P, Nicolino S, Audisio C, **Perroteau I**, Chiaravalloti A, Domenici C, Giusti P, Ciardelli G. Melt-extruded guides for peripheral nerve regeneration. Part I: Poly(epsilon-caprolactone). Biomed Microdevices. 2009, 5:1037-50.

Ronchi G, Nicolino S, Raimondo S, Tos P, Battiston B, Papalia I, Varejão AS, Giacobini-Robecchi MG, **Perroteau I,** Geuna S. Functional and morphological assessment of a standardized crush injury of the rat median nerve. J Neurosci Methods. 2009;179(1):51-7.

Nicolino S, Panetto A, Raimondo S, Gambarotta G, Guzzini M, Fornaro M, Battiston B, Tos P, Geuna S**, Perroteau I**. Denervation and reinnervation of adult skeletal muscle modulate mRNA expression of neuregulin-1 and ErbB receptors. Microsurgery. 2009;29(6):464-72

Audisio C, Nicolino S, Scevola A, Tos P, Geuna S, Battiston B, **Perroteau I**. ErbB receptors modulation in different types of peripheral nerve regeneration. Neuroreport. 2008 Oct 29;19(16): 1605-9.

Tos P, Ronchi G, Nicolino S, Audisio C, Raimondo S, Fornaro M, Battiston B, Graziani A, **Perroteau I**, Geuna S. Employment of the mouse median nerve model for the experimental assessment of peripheral nerve regeneration. J Neurosci Methods. 2008 Mar 30;169(1):119-27. Epub 2007 Dec 8.

Geuna S, Tos P, Raimondo S, Lee JM, Gambarotta G, Nicolino S, Fornaro M, Papalia I, **Perroteau I**, Battiston B. Functional, morphological and biomolecular assessment of posttraumatic neuro-muscular recovery in the rat forelimb model. Acta Neurochir Suppl. 2007;100:173-7.

Geuna S, Nicolino S, Raimondo S, Gambarotta G, Battiston B, Tos P, **Perroteau I**. Nerve regeneration along bioengineered scaffolds Microsurgery. 2007; 27(5):429-38.

Bovetti S, Hsieh YC, Bovolin P, **Perroteau I**, Kazunori T, Puche AC. Blood vessels form a scaffold for neuroblast migration in the adult olfactory bulb. J Neurosci. 2007, 30;27(22):5976-80

Bovetti S, Bovolin P, **Perroteau I**., Puche A.C. .Subventricular zone-derived neuroblast migration to the olfactory bulb is modulated by matrix remodeling. Eur. J. Neurosci, 2007, 25(7):2021-33

Scevola A, Nicolino S, Tos P, **Perroteau I,** Geuna S. Schwann cell behaviour in denervated rat skin: an immunohistochemical and RT-PCR study. Clin Exp Plastic Surgery (in press)

Tos P, Battiston B, Nicolino S, Raimondo S, Fornaro M, Lee JM, Chirila L, Geuna S, **Perroteau I.** Comparison of fresh and predegenerated muscle-vein-combined guides for the repair of rat median nerve. Microsurgery. 2007;27(1):48-55.

Bovetti S, De Marchis S, Gambarotta G, Fasolo A, **Perroteau I**, Puche AC, Bovolin P. Differential expression of neuregulins and their receptors in the olfactory bulb layers of the developing mouse. Brain Res. 2006;1077(1):37-47

Giachino C, De Marchis S, Giampietro C, Parlato R, **Perroteau I,** Schutz G, Fasolo A, Peretto P. cAMP response element-binding protein regulates differentiation and survival of newborn neurons in the olfactory bulb. J Neurosci. 2005; 25(44):10105-18.

Raimondo S, Nicolino S, Tos P, Battiston B, Giacobini-Robecchi MG, **Perroteau I**, Geuna S. Schwann cell behavior after nerve repair by means of tissue-engineered muscle-vein combined guides. J Comp Neurol. 2005; 489(2):249-59.

Giampietro C, Luzzati F, Gambarotta G, Giacobini P, Boda E, Fasolo A, **Perroteau I**. Stathmin expression modulates migratory properties of GN-11 neurons in vitro. Endocrinology. 2005;146(4): 1825-34.

Mautino B, Dalla Costa L, Gambarotta G, **Perroteau I,** Fasolo A, Dati C. Bioactive recombinant neuregulin-1, -2, and -3 expressed in Escherichia coli. Protein Expr Purif. 2004; 35(1):25-31.

Gambarotta G, Garzotto D, Destro E, Mautino B, Giampietro C, Cutrupi S, Dati C, Cattaneo E, Fasolo A, **Perroteau I**. ErbB4 expression in neural progenitor cells (ST14A) is necessary to mediate neuregulin-1beta1-induced migration. J Biol Chem. 2004; 279(47):48808-16.

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Nicolino S, Raimondo S, Tos P, Battiston B, Fornaro M, Geuna S, **Perroteau I**. Expression of alpha2a-2b neuregulin-1 is associated with early peripheral nerve repair along muscle-enriched tubes. Neuroreport. 2003;14(11):1541-5

Geuna S, Raimondo S, Nicolino S, Boux E, Fornaro M, Tos P, Battiston B., **Perroteau I**. Schwann-cell proliferation in muscle-vein combined conduits for bridging rat sciatic nerve defects. J Reconstr Microsurg. 2003 19(2):119-23.

Giacobini P, Fioretto M, Giampietro C, Maggi R, Cariboni A, **Perroteau I**, Fasolo A. Hepatocyte growth factor/scatter factor facilitates migration of GN-11 immortalized luteinizing hormone neurons but not GT-7 cells. Endocrinology 2002;143(9):3306-15.

Oberto M, Soncin I, Bovolin P, Voyron S, De Bortoli M, Dati C, Fasolo A, **Perroteau I.** ErbB-4 and neuregulin expression in the adult mouse olfactory bulb after peripheral denervation. Eur. J Neurosci 2001; 14(1): 1-11.

Takahashi N, Hasunuma I, Iwata T, Umezawa K, Yamamoto K, Marin A, **Perroteau I**, Vellano C, Kikuyama S. Molecular cloning of newt prolactin (PRL) cDNA: effect of temperature on PRL mRNA expression. Gen Comp Endocrinol. 2001; 121(2):188-95.

Gilardino A., **Perroteau I**., Lovisolo D., Distasi C. In vitro identification of dividing neuronal precursors from embryonic chick ciliary ganglion. Neuroreport 11, 1209-1212, 2000.

Voyron S., Giacobini P., Tarozzo G., Cappello P., **Perroteau I.** and Fasolo A. Apoptosis in the development of the mouse olfactory epithelium. Dev Brain Res 115, 49-55, 1999.

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Perroteau I., Oberto M., Ieraci A., Bovolin P., Fasolo A. ErbB-3 and ErbB4 expression in the mouse olfactory system. Ann. N.Y. Acad. Sci. 855, 255-259 1998.

Casabona G., Catania M.V., Storto M., Ferraris N., **Perroteau I**., Fasolo A., Nicoletti F., Bovolin P. Deafferentation up-regulates the expression of the mGlu1a metabotropic glutamate receptor protein in the olfactory bulb. Eur. J. Neurosci. 10, 771-776, 1998.

Ferraris N., **Perroteau I**., De Marchis S., Fasolo A., Bovolin P. Glutamatergic deafferentation of olfactory bulb modulates the expression of mGluR1 and mRNA. Neuroreport 8, 1949-1953 1997. De Marchis S., **Perroteau I**., Fasolo A. Stem cells in the olfactory epithelium. In: "Current topics in neurochemistry", pp61-69, 1996.

De Marchis S., **Perroteau I**., Bonfanti L., Peretto P., Fasolo A. Stem cells in the adult central nervous syste8m. Minerva Biotecnologica 8, 16-22, 1996.

Tarozzo G., Peretto P., **Perroteau I**., Andreone C., Nicholls J., Fasolo A. GnRH neurons and other cell populations and migrating from the olfactory neuroepithelium. Annales d'Endocrinologie Paris 55, 249-254, 1994.

Perroteau I., Biffo S., Tolosano E., Tarozzo G., Bovolin P., Vaudry H., Fasolo A. In vitro study of olfactory receptor neurones expressing the dipeptide carnosine. NeuroReport 5, 569-572. 1994.

Biffo S., Sassoè Pognetto M., Verdun di Cantogno L., **Perroteau I**., Fasolo A. Bulbectomy enhances neurogenesis and cell turnover of primary olfactory neurons but does not abolish carnosine expression. Eur. J. Neurosci. 4, 1398-1406, 1992.

Dati, C., Muraca, R., Tazartes, O., Antoniotti, S., **Perroteau I**., Giai, M., Cortese, P., Sismondi, P., Saglio, G. and De Bortoli, M.: c-erbB2 and ras expression levels in breast cancer are correlated and

show a cooperative association with unfavorable clinical outcome. Int. J. Cancer, 47, 833-838, 1991.

Feuilloley M, Delarue C, **Perroteau I**, Netchitailo P, Leboulenger F, Homo-Delarche F, Pelletier G and Vaudry H: Role of arachidonic acid metabolites and cytockeleton components in the mechanism of action of corticotropic factors. Progress in Comparative Endocrinology, 133-138, 1990.

Dati C., Antoniotti, S., Taverna, D., **Perroteau, I**. and De Bortoli, M.: Inhibition of c-erbB2 oncogene expression by estrogens in human breast cancer cells. Oncogene, 5:1001-1006, 1990. (IF 6,772)

Vallarino M, Fasolo A, Ottonello I, **Perroteau I**, Tonon MC, Vandesande F and Vaudry H: Localization of corticotropin- releasing hormone (CRF)-like immunoreactivity in the central nervous system of the elastobranch fish, Scyliorhinus canicula. Cell Tissue Res 258, 541-546, 1989. (IF 1,740)

Danger JM, **Perroteau I**, Franzoni MF, Saint-Pierrs S, Fasolo A and Vaudry H: Innervation of the pars intermedia and control of alpha-MSH secretion in the newt. Neuroendocrinology 50, 543-549, 1989. (IF 2,441)

Perroteau I, Fracchia S, Ferrara B and Barone D: Safety tests for continuous cell lines used in biotechnology. In "Trends in Drug Development", A Assandri and F Fumero Eds, published by RBM CP226, 10015 Ivrea (TO), Italy, pp131-162, 1988.

Perroteau I, Danger JM, Biffo S, Pelletier G, Vaudry and Fasolo A: Distribution and characterization of neuropeptide Y-like immunoreactivity in the brain of the crested newt. J. Comp. Neurol. 275, 309-325, 1988.

De Bortoli M, Dati C, **Perroteau I**, Panico S, Biffo S, Giai M, Catozzi L, Selvatici R, Piffanelli A, and Sismondi P: ras proto-oncogene expression in human and experimental mammary tumors. Prog. Cancer Res. Ther., Vol 35, Hormone and Cancer 3, F Bresciani, R King, M Lippman and J Raynaud Eds, Raven Press, Ltd, New-York, pp130-133, 1988.

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Liu SC, Sanfilippo B, **Perroteau I**, Derynck R, Salomon D and Kidwell W: Expression of transforming growth factor alpha in differentiated rat mammary tumors: Estrogen induction of TGF- alpha production. Mol. Endocrinol. 1, 683-692, 1987.

De Bortoli M, Theillet C, Escot C, **Perroteau I**, Merlo G, Lidereau R, and Callahan R: ras proto-oncogenes in mammary cancer. In "Endocrinology and Malignancy" JE Baulieu, S Iacobelli and WL Mc Guire Eds, 1986 pp104-112 Parthenon Publ, Carnforth UK.

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