

FIRENZO CONTI



1. PERSONAL HISTORY

Department of Experimental & Clinical Medicine
Section of Neuroscience & Cell Biology
Università Politecnica delle Marche
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Birth Date and Place

August 13, 1955 Villerupt (France)

Current position

Professor of Physiology, Università Politecnica delle Marche

Education

1969-1974	Liceo Classico G. Perticari, Senigallia, Italy; (Advanced School of Humanistic and Liberal Arts).
1974-1980	University of Ancona School of Medicine
1980	M.D. Degree

2. EMPLOYMENT HISTORY

2012 – present	Director, Center for Neurobiology of Aging, National Institute of Health and Science on Aging (IRCCS), Ancona
2010 - present	Lecturer on Physiology; School of Medicine, Vita-Salute University/San Raffaele Hospital (HSR), Milano
1998	Visiting Professor; Department of Cell Biology and Anatomy, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514 (USA)
1994 - present	Full Professor, Human Physiology, University of Ancona School of Medicine, Ancona, Italy
1992	Visiting Professor; Department of Anatomy and Cell Biology, University of California at Los Angeles; Los Angeles, CA 90024 (USA)
1988	Visiting Professor; Department of Cell Biology and Anatomy, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514 (USA)
1986 - 1993	Senior Assistant Professor; Institute of Human Physiology, University of Ancona School of Medicine, Ancona (Italy)
1985-1986	Post-doctoral fellow; Department of Anatomy, University of North Carolina at Chapel Hill, Chapel Hill, N.C., 27514 (USA)
1983-1986	Assistant Professor, Institute of Human Physiology, University of Ancona School of Medicine, Ancona (Italy)

3. PROFESSIONAL ACTIVITIES

Research Interests Cerebral cortex; anatomical and molecular organization of glutamatergic and GABAergic synapses; plasma membrane and vesicular transporters; cortical plasticity; neuropsychiatric diseases.

Committees and Panels

Chairman, Department of Experimental and Clinical Medicine, Università Politecnica delle Marche, 2015-2018.

Member, International Scientific Council, European Brain Research Institute (EBRI), 2014-present

President Elect, Italian Society for Neuroscience (SINS), 2014-2015.

Member, Executive Committee of the Council of Physiology Professors, 2012-present

Member, SINS Committee on Neuroethics, 2010-present.

Member, Search Committee, Italian Society for Neuroscience, 2007.

Member, History of Neuroscience Committee of the International Brain Research Organization (IBRO), 2005-present.

Chairman, Department of Neuroscience, Università Politecnica delle Marche, 2003-2007.

Coordinator, PhD Program in Neuroscience of the Università Politecnica delle Marche, 2003-2012.

Member, Board of the Italian Physiological Society (SIF), 2000-2005.

Member, National Committee for Neurosciences, Ministry of the University and Scientific Research, 2000.

Member, Search Committee, Italian Society for Neuroscience, 1999.

President, Animal Ethical Committee, Università Politecnica delle Marche, 1997-2003.

Member (1992-2000) and President (2000-2003), Scientific Committee of the Library of the Università Politecnica delle Marche.

Honors and Awards

Member, Accademia Marchigiana di Scienze, Lettere e Arti, 2014-present

Member, Centro Nazionale di Studi Leopardiani, 2013-present

Italian Society of Physiology (SIF) Prize for young investigators in physiology, 1990

Accademia Medico-Chirurgica del Piceno Prize for young investigators in biomedical sciences, 1990

Publications in international refereed journals

Barbaresi P, Conti F, and Manzoni T (1982) Periaqueductal gray projection to the ventrobasal complex in the cat: an HRP study. *Neuroscience Letters* 30:205-209

Barbaresi P, Conti F, and Manzoni T (1982) Axonal branching in the periaqueductal gray projections to the thalamus: a fluorescent retrograde double-labelling study. *Brain Research* 252:137-141.

Manzoni T, Barbaresi P, and Conti F (1984) Callosal mechanisms for interhemispheric transfer of hand somatosensory information in the monkey. *Behavioural Brain Research* 11:155-170.

Barbaresi P, Conti F, and Manzoni T (1984) Topography and receptive field organization of the body midline representation in the ventrobasal complex of the cat. *Experimental Brain Research* 54:327-336.

Conti F, Fabri M, and Manzoni T (1986) Bilateral receptive fields and callosal connectivity of the body midline representation in the first somatosensory area of Primates. *Somatosensory Research* 3:273-289.

Manzoni T, Conti F, and Fabri M (1986) Callosal projections from area SII to SI in monkeys. Anatomical organization and comparison with association projections. *Journal of Comparative Neurology* 252:245-263.

Barbaresi P, Fabri M, Conti F, and Manzoni T (1987) D-³H-aspartate retrograde labelling of callosal and association neurons of somatosensory areas I and II. *Journal of Comparative Neurology* 263:159-178.

Conti F, Rustioni A, Petrusz P, and Towle AC (1987) Glutamate-positive neurons in the somatic sensory cortex of rats and monkeys. *Journal of Neuroscience* 7:1887-1901.

Conti F, Barbaresi P, and Fabri M (1988) Cytochrome oxidase histochemistry reveals regional subdivisions in the rat periaqueductal gray matter. *Neuroscience* 36:629-633.

Muzzarelli R, Baldassarre V, Conti F, Ferrara P, Biagini G, Gazzanelli G, Vasi V (1988) Biological activity of chitosan: ultrastructural study. *Biomaterials* 9:247-252

Hepler JR, Toomim C, McCarthy KD, Conti F, Battaglia G, Rustioni A, Petrusz P (1988) Characterization of antisera to glutamate and aspartate. *Journal of Histochemistry and Cytochemistry* 36:13-22.

DeFelipe J, Conti F, VanEyck SL, and Manzoni T (1988) Demonstration of glutamate-positive axon terminals forming asymmetric synapses in the cat neocortex. *Brain Research* 455:162-165.

- Conti F, Fabri M, and Manzoni T (1988) Immunocytochemical evidence for glutamate-positive cortico-cortical neurons in monkeys. *Brain Research* 462:148-153.
- Conti F, Fabri M, and Manzoni T (1988) Glutamate-positive, cortico-cortical neurons in the somatic sensory areas I and II of cats. *Journal of Neuroscience* 8:2948-2960.
- Conti F, and Stermini C (1989) Calcitonin gene-related peptide (CGRP)-positive neurons and fibers in the periaqueductal gray matter. *Somatosensory and Motor Research* 6:497-511.
- Manzoni T, Barbaresi P, Conti F, and Fabri M (1989) The callosal connections of the primary somatosensory cortex and neural bases of midline fusion. *Experimental Brain Research* 76:251-266.
- Conti F, DeFelipe J, Farinas I, and Manzoni T (1989) Glutamate-positive neurons and axon terminals in cat sensory cortex. A correlative light and electron microscopic study. *Journal of Comparative Neurology* 290:141-153.
- Conti F, DeBiasi S, Giuffrida R, and Rustioni A (1990) Substance P-containing projections in the dorsal columns of rats and cats. *Neuroscience* 34:607-621.
- Fabri M, Conti F (1990) Calcitonin gene-related peptide (CGRP)-positive neurons and fibers in the cat dorsal column nuclei. *Neuroscience* 35:167-174.
- Conti F, DeBiasi S, Fabri M, Abdullah L, Manzoni T, and Petrusz P (1992) Substance P-containing pyramidal neurons in the cat somatic sensory cortex. *Journal of Comparative Neurology* 322:136-148.
- Conti F, Fabri M, and Minelli A (1992) Co-localization of glutamate and substance P in cat neocortical pyramidal neurons. *Brain Research* 599:140-143.
- Conti F, De Biasi S, Minelli A, Manzoni T, and Stermini C (1994) Calcitonin gene-related peptide (CGRP) in the cat neocortex: Evidence for a sparse but widespread network of immunoreactive fibers. *Cerebral Cortex* 4:97-105.
- Conti F, and Minelli A (1994) Glutamate immunoreactivity in the rat cerebral cortex is reversibly abolished by 6-diazo-5-oxo-L-norleucine (DON), a phosphate activated glutaminase inhibitor. *Journal of Histochemistry and Cytochemistry* 42:717-726.
- Conti F, Minelli A, Molnar M, and Brecha NC (1994) Cellular localization and laminar distribution of NMDAR1 mRNA in the rat cerebral cortex. *Journal of Comparative Neurology* 343:554-565.
- Conti F, and Manzoni T (1994) The neurotransmitters and postsynaptic actions of callosally projecting neurons. *Behavioural Brain Research* 64: 37-53.
- Conti F, Minelli A, Brecha NC (1994) Cellular localization and laminar distribution of AMPA glutamate receptor subunits mRNAs and proteins in the rat cerebral cortex. *Journal of Comparative Neurology* 350:241-259.
- Minelli A, Brecha NC, Karschin C, DeBiasi S, and Conti F (1995) GAT-1, a high-affinity GABA plasma membrane transporter, is localized to neurons and astroglia in the cerebral cortex. *Journal of Neuroscience* 15:7734-7746.
- Conti F, Minelli A, and Pons TP (1996) Changes in glutamate-immunoreactivity in the somatic sensory cortex of adult monkeys induced by nerve cuts. *Journal of Comparative Neurology* 368:503-515.
- Conti F, De Biasi S, Minelli A, and Melone M (1996) Expression of NR1 and NR2A/B subunits of the NMDA receptor in cortical astrocytes. *Glia* 17:254-258.
- Hicks TP, and Conti F (1996) Amino acids as the sources of considerable excitation in cerebral cortex. *Canadian Journal of Physiology and Pharmacology* 74:341-361 (Invited Review).
- Minelli A, DeBiasi S, Brecha NC, and Conti F (1996) GAT-3, a high affinity GABA plasma membrane transporter, is localized exclusively to astrocytic processes in the cerebral cortex. *Journal of Neuroscience* 16:6255-6264.

- DeBiasi S, Minelli A, Melone M, and Conti F (1996) Presynaptic NMDA receptors in the rat cerebral cortex are both auto- and heteroreceptors. *NeuroReport* 7:2773-2776.
- Conti F (1997) Localization of NMDA receptors in the cerebral cortex: a schematic overview. *Brazilian Journal of Medical and Biological Research* 30:555-560 (Invited Review).
- Conti F, Minelli A, DeBiasi S (1997) Neuronal and glial localization of NMDA receptors in the cerebral cortex. *Molecular Neurobiology* 14:1-18.
- Conti F, De Biasi S, Minelli A, Rothstein JD, and Melone M (1998) EAAC1, a high-affinity glutamate transporter, is localized to neurons and astrocytes in the cerebral cortex. *Cerebral Cortex* 8:108-116.
- Conti F, Melone M, De Biasi S, Ducati A, Minelli A, and Brecha NC (1998) Neuronal and glial localization of GAT-1, a high-affinity GABA plasma membrane transporter, in the human cerebral cortex. *Journal of Comparative Neurology* 396:51-63.
- Conti F, Barbaresi P, Melone M, and Ducati A (1999) Neuronal and glial localization of NR1 and NR2A/B subunits of the NMDA receptor in the human cerebral cortex. *Cerebral Cortex* 9:110-120.
- Conti F, Vitellaro-Zuccarello L, Barbaresi P, Minelli A, Brecha NC, Melone M (1999) Neuronal, glial, and epithelial localization of γ -aminobutyric acid transporter-2, a high-affinity γ -aminobutyric acid plasma membrane transporter, in the cerebral cortex and neighboring structures. *Journal of Comparative Neurology* 409:482-494.
- Conti F, and Weinberg RJ (1999) Shaping excitatory responses at central glutamatergic synapses. *Trends in Neurosciences* 22:451-458.
- Melone M, Brecha N, Sternini C, Evans C, and Conti F (2000) Etorphine increases the number of μ -opioid receptor-positive cells in the cerebral cortex. *Neuroscience* 100:439-443.
- Cherubini E, and Conti F (2001) Generating diversity at GABAergic synapses. *Trends in Neurosciences* 24:155-162.
- Melone M, Vitellaro Zuccarello L, Vallejo-Illarramendi A, Perez-Samartin C, Matute A, Cozzi DE, Pellegrini-Giampietro JD, Rothstein JD, and Conti F (2001) The expression of glutamate transporter GLT-1 in the cerebral cortex is down-regulated by the antipsychotic clozapine. *Molecular Psychiatry* 6:380-386.
- Minelli A, Barbaresi P, Reimer RJ, Edwards RH, and Conti F (2001) The glial glutamate transporter GLT-1 is localized both in the vicinity of and at distance from axon terminals in the rat cerebral cortex. *Neuroscience* 108:51-59.
- Conti F (2001) Claude Bernard: primer of the second biomedical revolution. *Nature Reviews Molecular Cell Biology* 2:703-710.
- Conti F (2002) Claude Bernard's *Des Fonctions du Cerveau*: An *ante litteram* manifesto of the neurosciences? *Nature Reviews Neuroscience* 3: 79-985.
- Conti F (2002) Claude Bernard (1818-1878). *IBRO History of World Neuroscience*, http://www.ibro.org/secondary/sciissues/history_11.htm.
- Conti F, and Irrera Conti S (2003) On Science and Literature: A lesson from the Bernard-Zola case. *BioScience* 53:865-869.
- Melone M, Bragina L, and Conti F (2003) Clozapine-induced reduction of glutamate transport in the frontal cortex is not mediated by GLAST and EAAC1. *Molecular Psychiatry* 8:12-13.
- Minelli A, Edwards RH, Manzoni T, and Conti F (2003) Postnatal development of the glutamate vesicular transporter VGLUT1 in the rat cerebral cortex. *Brain Research/Developmental Brain Research* 16:309-314.
- Minelli A, Alonso-Nanclares L, Edwards RH, DeFelipe J, and Conti F (2003) Postnatal development of the vesicular GABA transporter in rat cerebral cortex. *Neuroscience* 117:337-346.

- Minelli A, Barbaresi P, and Conti F (2003) Postnatal development of high-affinity plasma membrane GABA transporters GAT-2 and GAT-3 in the rat cerebral cortex, *Brain Research/Developmental Brain Research* 142:7-18.
- Melone M, Cozzi A, Pellegrini-Giampietro DE, and Conti F (2003) Transient focal ischemia triggers neuronal expression of GAT-3 in the rat perilesional cortex. *Neurobiology of Disease* 14:120-132.
- Alonso-Nanclares L, Minelli A, Melone M, Edwards RH, DeFelipe J, and Conti F (2004) Perisomatic glutamatergic axon terminals: a novel feature of cortical synaptology revealed by vesicular glutamate transporter 1 immunostaining. *Neuroscience* 123:547-556.
- Melone M, Quagliano F, Barbaresi P, Varoqui H, Erickson JD, and Conti F (2004) Localization of the glutamine transporter SNAT1 in rat cerebral cortex and neighboring structures, with a note on its localization in human cortex. *Cerebral Cortex* 14:562-574.
- Conti F, Minelli A, and Melone M (2004) GABA transporters in the mammalian cerebral cortex: localization, development and pathological implications. *Brain Research/Brain Research Reviews* 45:196-212.
- Matute C, Melone M, Vallejo-Illarramendi A, and Conti F (2005) Increased expression of the astrocytic glutamate transporter GLT-1 in the prefrontal cortex of schizophrenics. *Glia* 49:451-455.
- Valenti M, Pontieri FE, Conti F, Altobelli E, Manzoni T, and Frati L (2005) Amyotrophic lateral sclerosis and sports: a case-control study. *European Journal of Neurology* 12:223-225.
- Vallejo-Illarramendi A, Torres-Ramos M, Melone M, Conti F, and Matute C (2005) Clozapine reduces GLT-1 expression and glutamate uptake in astrocyte cultures. *Glia* 50: 276-279.
- Melone M, Barbaresi P, Fattorini G, and Conti F (2005) Neuronal localization of the GABA transporter GAT-3 in human cerebral cortex: A procedural artifact? *Journal of Chemical Neuroanatomy* 30:45-54.
- Conti F, Candiracci C, and Fattorini G (2005) Heterogeneity of axon terminals expressing VGLUT1 in the cerebral neocortex. *Archives italiennes de Biologie* 143:127-132.
- Safiulina V, Fattorini G, Conti F, and Cherubini E (2006) GABAergic signaling at mossy fiber synapses in neonatal rat hippocampus. *Journal of Neuroscience* 26:597-608.
- Conti F, and Melone M (2006) The glutamine commute: lost in the tube? *Neurochemistry International* 48:459-464.
- Melone M, Varoqui H, Erickson JD, and Conti F (2006) Localization of the amino acid transporter SNAT2 in the cerebral cortex. *Neuroscience* 140:281-292.
- Bragina L, Melone M, Fattorini G, Torres-Ramos M, Vallejo-Illarramendi A, Matute C, and Conti F (2006) GLT-1 down-regulation induced by clozapine in rat frontal cortex is associated with synaptophysin up-regulation. *Journal of Neurochemistry* 99:131-141.
- Bragina L, Candiracci C, Barbaresi P, Giovedì S, Benfenati F, and Conti F (2007) Heterogeneity of glutamatergic and GABAergic release machineries in cerebral cortex. *Neuroscience* 146:1829-1840.
- Bragina L, Melone M, Fattorini G, and Conti F (2007) Clozapine up-regulates the expression of the vesicular GABA transporter (VGAT) in rat frontal cortex. *Molecular Psychiatry* 12:612-613.
- Conti F, and Corbellini G (2008) Italian neuroscientists are ready to start the debate. *Nature* 451:627.
- Bragina L, Marchionni I, Omrani A, Cozzi A, Pellegrini-Giampietro DE, Cherubini E, and Conti F (2008) GAT-1 regulates both tonic and phasic GABA_A receptor-mediated inhibition in the cerebral cortex. *Journal of Neurochemistry* 105:1781-1793.

- Fattorini G, Melone M, Bragina L, Candiracci C, Cozzi A, Pellegrini Giampietro DE, Torres-Ramos M, Pérez-Samartín A, Matute C, and Conti F (2008) GLT-1 expression and Glu uptake in rat cerebral cortex are increased by phencyclidine. *Glia* 56:1320-1327.
- Melone M, Bellesi M, and Conti F (2009) Synaptic localization of GLT-1a in the rat somatic sensory cortex. *Glia* 57:108-117.
- Bellesi M, Melone M, Gubbini A, and Conti F (2009) GLT-1 up-regulation of GLT-1 impairs prepulse inhibition of the startle reflex in adult rats. *Glia* 57:703-713.
- Melone M, Bellesi M, Gubbini A, and Conti F (2009) GLT-1 up-regulation enhances the effect of PCP on prepulse inhibition of the startle reflex in adult rats. *Schizophrenia Research* 109:196-197
- Fattorini G, Bragina L, Candiracci C, Melone M, Cozzi A, Pellegrini-Giampietro DE, and Conti F (2009) Acute phencyclidine administration reduces extracellular glutamate levels and the expression of synaptophysin and SNAP-25 in rat frontal cortex. *Schizophrenia Research* 108:288-289.
- Fattorini G, Verderio C, Melone M, Giovedì S, Benfenati F, Matteoli M, and Conti F (2009) VGLUT1 and VGLUT2 are sorted to the same populations of synaptic vesicles in subsets of cortical axon terminals. *Journal of Neurochemistry* 110:1538-1546.
- Omrani A, Melone M, Bellesi M, Cherubini E, and Conti F (2009) Loss of LTD at MF-CA3 synapses overexpressing GLT-1. *Journal of Physiology* 587:4575-4587.
- de Vivo L, Melone M, Rothstein JD, and Conti F (2010) GLT-1 promoter activity in astrocytes and neurons of mouse hippocampus and somatic sensory cortex. *Frontiers in Neuroanatomy* 3:31. doi:10.3389/neuro.05.031.2009.
- Bragina L, Giovedì S, Barbaresi P, Benfenati F, and Conti F (2010) Heterogeneity of glutamatergic and GABAergic release machinery in cerebral cortex: Analysis of synaptotagmin, vesicle-associated membrane protein, and syntaxin. *Neuroscience* 165:934-943.
- Bellesi M, and Conti F (2010) The mGluR2/3 agonist LY379268 reverses the effects of GLT-1 up-regulation on prepulse inhibition of the startle reflex in adult rats. *Neuropsychopharmacology* 35:1253-1260.
- de Vivo L, Melone M, Bucci G, Rothstein JD, and Conti F (2010) Quantitative analysis of EAAT4 promoter activity in neurons and astrocytes of mouse somatic sensory cortex. *Neuroscience Letters* 474:42-45.
- Melone M, Bellesi M, Ducati A, Iacoangeli M, Conti F (2011) Cellular and synaptic localization of EAAT2a in human cerebral cortex. *Frontiers in Neuroanatomy* 4:151. doi: 10.3389/fnana.2010.00151.
- Conti F, Melone M, Fattorini G, Bragina L, Ciappelloni S (2011) A role for GAT-1 in presynaptic GABA homeostasis? *Frontiers in Cellular Neuroscience* 5:2. doi: 10.3389/fncel.2011.00002
- Bragina L, Fattorini G, Giovedì S, Melone M, Bosco F, Benfenati F, Conti F (2012) Analysis of synaptotagmin, SV2, and Rab3 expression in glutamatergic and GABAergic axon terminals. *Frontiers in Cellular Neuroscience*, 5:0. doi: 10.3389/fncel.2011.00032.
- Bellesi M, Vyazovskiy VV, Cirelli C, Tononi G, Conti F (2012) Reduction of EEG theta power and motor activity modifications in rats treated with ceftriaxone. *PLoS ONE*, 7(3): e34139. doi:10.1371/journal.pone.0034139.
- Bragina L, Fattorini G, Giovedì S, Bosco F, Benfenati F, Conti F (2013) Heterogeneity of presynaptic proteins: do not forget isoforms. *Frontiers in Cellular Neuroscience*, 7:8. doi: 10.3389/fncel.2013.00008.
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- Milanesi M, Giribaldi F, Melone M, Bonifacino T, Vergani L, Musante I, Rossi PIA, Voci A, Conti F, Puliti A, Bonanno G (2014) Knocking-down metabotropic glutamate 1 receptors improves survival and disease progression in the *SOD1^{G93A}* mouse model of amyotrophic lateral sclerosis. *Neurobiology of Disease*, 64: 48-59. doi.org/10.1016/j.nbd.2013.11.006.
- Casoli T, Di Stefano G, Spazzafumo L, Baliotti M, Giorgetti B, Giuli C Postacchini D, Fattoretti P, Conti F (2014) Contribution of non-reference alleles in mtDNA of Alzheimer's disease patients. *Annals of Clinical and Translational Neurology*, 1, 284–289. DOI: 10.1002/acn3.42.
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- Melone M, Ciappelloni S, Conti F (2015) A quantitative analysis of cellular and synaptic localization of GAT-1 and GAT-3 in cerebral cortex. *Brain Structure and Function*. 220:885–897.
- Fattorini G, Antonucci F, Menna E, Matteoli M, Conti F (2015) VGLUT1/VGAT co-expression sustains glutamate-GABA co-release and is regulated by activity. *Journal of Cell Science* 128:1669-1673.
- Casoli T, Spazzafumo L, Di Stefano G, Conti F (2015) Role of diffuse low-level heteroplasmy of mitochondrial DNA in Alzheimer's disease neurodegeneration. *Frontiers in Aging Neuroscience*. doi: 10.3389/fnagi.2015.00142
- Bragina L, Bonifacino T, Bassi S, Milanese M, Bonanno G, Conti F (2015) Differential expression of metabotropic glutamate and GABA_Br at neocortical glutamatergic and GABAergic axon terminals. *Frontiers in Cellular Neuroscience*, in press.
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Essential bibliometric data on published papers

Mean IF 5,6

Total citations 4.908

http://scholar.google.com/citations?hl=en&user=pmNb_AgAAAAJ&view_op=list_works&gmla=AJsN-F7GFwHlkNV7EzVQX5s_9Pn_NzIHO6rQSeQfSoiLdKAdFWbLc4-qv4qbnlSbhn7P1YdY8cvTS47EhQy9ex47q3OzRdk6pnTpoNAYctTHs5y2GbmAqWM EH_0OaVIM7vRIbi4rNNan

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Books

Conti F, Hicks TP (eds) (1996) *Excitatory Amino Acids & the Cerebral Cortex*. Cambridge, MA, MIT Press, xiii-492.

Conti F (ed) (2005) *Fisiologia Medica*. Milan, Edi-Ermes, 1st edition, 2 vol. (Translated in spanish in 2010: *Fisiologia Medica, McGraw Hill InterAmericana*).

Conti F (ed) (2010) *Fisiologia Medica*. Milan, Edi-Ermes, 2nd edition, 2 vol.

Conti F (2013) *Claude Bernard e la nascita della biomedicina*. Milan, Raffaello Cortina.

Contributions to books

- Conti F, Rustioni A, and P Petrusz (1987) Co-localization of glutamate and aspartate immunoreactivities in rat somatic sensory cortex neurons. In *Excitatory Amino Acid Transmission*, TP Hicks, D Lodge, and H McLennan (Eds.), Neurology and Neurobiology vol. 24, Alan R Liss, New York, 169-172.
- Weinberg RJ., F Conti, S L Van Eyck, P Petrusz, and A Rustioni (1987) Glutamate-like immunoreactivity in rat substantia gelatinosa. In *Excitatory Amino Acid Transmission*, TP Hicks, D Lodge, and H McLennan (Eds.), Neurology and Neurobiology vol. 24, Alan R Liss, New York, 173-176.
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- Conti F (1991) Toward the anatomical identification of glutamatergic neurons and synapses in the cerebral cortex. In *Excitatory Amino Acids 1990*, BS Meldrum, F Moroni, RP Simon, and JH Woods (Eds.), Fidia Research Foundation Series, vol. 6, Raven Press, New York, 45-53.
- Conti F, and A Minelli (1996) The anatomy of glutamatergic transmission in the cerebral cortex. In *Excitatory Amino Acids & the Cerebral Cortex*, Conti F and TP Hicks, eds, MIT Press, Cambridge, MA, 81-98.
- Condorelli DF, Conti F, Gallo V, Kirchhoff, Seifert G, Steinhauser C, Verkhratsky A, and Yuan X (1999) Expression and functional analysis of glutamate receptors in glial cells. In *The functional Roles of Glial Cells in Health and Disease: Dialogue Between Glia and Neurons*, R Matsas and M Tsacopoulos (Eds). Plenum Press, New York, 468:49-67.
- Conti F (2002) Sensibilità somatica e dolore. In *Fisiologia dell'Uomo*, PE di Prampero e A Veicsteinas (Eds). Edi-Ermes, Milano. 123-155.
- Conti F (2005) Omeostasi e sistemi fisiologici di regolazione e controllo. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 239-249.
- Conti F (2005) Sistema nervoso: componenti e organizzazione. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 254-280.
- Conti F (2005) Organizzazione funzionale della corteccia cerebrale. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 295-327.
- Conti F (2006) Corteccia cerebrale. In *Dizionario storico della scienza della psiche*, F Barale, M Bertani, V Gallese, S Mistura and A Zamperini (eds), Giulio Einaudi Editore, Torino. vol I, 263-269.
- Conti F, and Morabito C (2006) Mappa, *Dizionario storico della scienza della psiche*. F Barale, M Bertani, V Gallese, S Mistura and A Zamperini (eds), Giulio Einaudi Editore, Torino. Vol II, 678-684.
- Conti F (2006) Omeostasi, In *Enciclopedia della Scienza e della Tecnica*. Roma, Istituto della Enciclopedia italiana fondata da Giovanni Treccani.
- Conti F (2005) Omeostasi e sistemi fisiologici di regolazione e controllo. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 239-249.
- Cherubini E, Conti F (2010) Trasmissione sinaptica: recettori e trasportatori dei neurotrasmettitori. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 179-218.
- Conti F (2010) Omeostasi e sistemi fisiologici di regolazione e controllo. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 295-305.

- Conti F (2010) Sistema nervoso: componenti e organizzazione. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 309-335.
- Conti F (2010) Organizzazione funzionale della corteccia cerebrale. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 351-384.
- Conti F (2010) Somestesia. In *Fisiologia Medica*, F Conti (ed), Edi-Ermes, Milano 421-450.
- Conti F (2010) Corteccia cerebrale. In *Dizionario di Medicina*. Roma, Istituto della Enciclopedia italiana fondata da Giovanni Treccani.

Other publications (newspapers, popular press, media etc..)

- Angeleri F, Conti F (2001) Questione di corteccia. *EtruriaOggi* 53/54: 48-53.
- Conti F, Irrera Conti S (2002) Emile Zola, chirurgo del romanzo. *Il Sole-24 ore*, Sunday, January 13, 39.
- Conti F (2002) La figura Claude Bernard nella storia della fisiologia e della medicina. In *Memoria e attualità della Medicina*. Il Lavoro Editoriale, Ancona, pp. 84-124.
- Angeleri F, Conti F (2002) La nascita del tempo. *EtruriaOggi* 57: 36-41.
- Conti F (2003) Impatto della scoperta del DNA sulle neuroscienze, Radio interview on national public broadcast *RaiTre Scienza* The matter of life: Fifty years of DNA (by G. Corbellini e A. Grignolino). April 28.
- Conti F, Irrera Conti S (2004) I movimenti del fisiologo. *Il Sole-24 Ore*, Sunday, May 9, 35.
- Conti F (2006) Il cervello sconosciuto. *Darwin*, May-June, 62-63.
- Conti F (2008) Neuroetica: la prospettiva delle neuroscienze, Radio interview on national broadcast *RaiTre Scienza*, *RaiTre Scienza* Do the right thing. May 30.
- Conti F, Angeleri F (2008) Brain and economic decisions. *EtruriaOggi* 70:67-71.
- Conti F, Corbellini G (2010) Il Club dei Monod-teisti. *Il Sole-24 Ore*, Sunday, January 31, 39.
- Conti F (2010) Indimenticabile amnesico. *Darwin*, March-April, 64-65
- Conti F (2010) Scienza & Arte: il caso di Marey. *EtruriaOggi*, 77:50-55.
- Conti F (2011) At the roots of modern physiology. *pH*, 1:3-13.
- Conti F, Corbellini G (2013) Il padre della fisiologia. *Il Sole-24 Ore*, Sunday, May 5, 30.
- Conti F, Irrera S (2013) EJ Marey, tra scienza e arte. *pH*, 2:2-12.
- Conti F (2013) Neuroscienziati, fatevi sentire. *Il Sole-24 Ore*, Sunday, August 11, 27
- Conti F, Corbellini G, Morange M (2013) L'héritage scientifique de Claude Bernard. *Le Monde* (Science & Médecine, Tribune), Wednesday, December 11, 8
- Conti F (2014) Storia di un amnesico. National public TV *Rai Scuola* Nautilus, June 17; and *Rai Cultura*, August 5.
- Conti F (2014) Angelo Mosso, il pioniere. *Il Sole-24 Ore*, Sunday, December 14, 31.
- Conti F (2015) L'angoscia di una spiegazione. *L'Indice dei Libri del Mese*, 3: 21.

Invited lectures and seminars

- “The anatomical organization of the reciprocal callosal connections between the first and the second somatosensory areas in monkeys”, Conference on Perspectives in Neurophysiology, Siena (I). October 23, 1984.
- “The callosal connections of somatic sensory areas in monkeys”, Laboratory of Neuropsychology, NIMH, Bethesda, MD (USA). August 22, 1986.
- “Glutamatergic neurons in the cerebral cortex”, Neurological Institute C. Besta, Milan (I). May 5 1987.
- “An ultrastructural study of glutamate-positive neurons and terminals in the cerebral cortex”, Excitatory Amino Acids' 88, Manaus (Brazil). March 29, 1988.
- “Neurotransmitters of pyramidal neurons in the mammalian neocortex” Cajal Institute, CSIC, Madrid (Spain). May 17, 1988.

- “Excitatory neurotransmitters in the mammalian cerebral cortex”, Institute of Human Physiology, University of Catania (I). March 23, 1989.
- “Excitatory amino acids”, School on Methods in Neuroscience: Immunohistochemistry, Modena (I). February 23, 1990.
- “Endogenous antinociceptive mechanisms”, 2nd meeting of the Italian Association of Sports Psychology, Senigallia (I). April 22, 1990.
- “Toward the anatomical identification of glutamatergic neurons and synapses in the cerebral cortex”, Excitatory Amino Acids 1990 (Fidia Research Foundation Symposium), Montegrotto Terme (I). May 22, 1990.
- “Neurotransmitters of mammalian cortico-cortical projections”, Department of Psychology, Vanderbilt University, Nashville, TN (USA). June 19, 1990.
- “Anatomical and pharmacological studies on neocortical glutamate-immunoreactive neurons”, Department of Anatomy and Neurobiology, University of California at Irvine, Irvine, CA (USA). June 21, 1990.
- “Glutamatergic neurons and synapses in the mammalian cerebral cortex, as studied by immunocytochemistry”, Brain Research Institute and Department of Anatomy and Cell Biology, University of California at Los Angeles, Los Angeles, CA (USA). June 22, 1990.
- “Glutamatergic neurons in the cerebral cortex”, Laboratory of Neuropsychology, NIMH, Bethesda, MD (USA). June 25, 1990.
- “The anatomy of memory”, Workshop on Computer-assisted rehabilitation, Rome (I), July 6, 1990.
- “Glutamatergic neurons in the cerebral cortex”, Department of Animal Biology, University of Turin (I). June 25, 1991.
- “Neurotransmitters and the functional reorganization of the cerebral cortex”, Symposium on Neurotransmitters and neuromodulators: molecular and functional aspects, Italian Physiological Society, Rome (I). September 24, 1992.
- “Glutamatergic transmission and reorganizational plasticity”, Workshop on Adult neural plasticity: Common features across multiple sensory modalities, Winter Conference on Brain Research, Whistler, BC (Canada). January 29, 1993.
- “Anatomical studies on the astrocytic expression of Glu receptors and transporters”, Max Delbrück Centrum für Molekulare Medizin, Berlin (Germany). January 24, 1996.
- “Cellular localization and distribution of GABA and Glu transporters in the cerebral cortex”, Institut d'Anatomie, Université de Lausanne (Switzerland). January 26, 1996.
- “Cellular localization of high-affinity plasma membrane GABA transporters in the cerebral cortex”, Department of Neurology and Neurosurgery, Universidade Federal de São Paulo, São Paulo, SP (Brazil). August 20, 1996.
- “The anatomy of glutamatergic transmission in the cerebral cortex”, Plenary Lecture at the XI Reuniao Anual da Federacao de Sociedade de Biologia Experimental (FESBE), Caxambu, MG (Brazil). August 24, 1996.
- “Cellular localization of GABA transporters in the cerebral cortex”, Instituto de Biofisica Carlos Chagas Filho, Rio de Janeiro, RJ (Brazil). August 26, 1996.
- “Lesion-induced changes in glutamatergic system suggest a role for glial cells in cortical reorganizational plasticity”, Centro de Ciencias da Saude, Universidade Federal de Pernambuco, Recife, PE (Brazil). August 29, 1996.
- “Emerging concepts in the localization of glutamate receptors and transporters”, SISSA (International School for Advanced Studies), Trieste (I). April 18, 1997.
- “The localization of glutamate receptors in the cerebral cortex”, Institute of Human Physiology, Università La Sapienza, Rome (I). June 5, 1997.

- “Localization of NMDA receptors in the cerebral cortex”, 1st Mediterranean Neuroscience Conference, Montpellier (France). September 20, 1997.
- “A role for the glutamatergic system in cortical reorganization?”, 2nd Berlin Workshop on Cortical Plasticity, Berlin (Germany). November 28, 1997.
- “Mechanisms of cortical reorganizational plasticity”, Institute of Human Physiology, University of Parma, Parma (I). January 8, 1998.
- “Mechanisms of reorganizational plasticity in the cerebral cortex”, Workshop on Space cognition and movement: organization, dysfunction and recovery, E. Majorana Center for Scientific Culture, Erice (I). March 14, 1998.
- “Expression of glutamate receptors in cortical glia”, 3rd European Meeting on Glial Cell function in Health and Disease, Athens (Greece). May 8, 1998.
- “Mechanisms of cortical reorganizational plasticity”, Annual Meeting of the Italian Society of Clinical Neurophysiology, Trieste (I). September 6, 1998.
- “Localization and regulation of GLT-1, a high affinity glutamate transporter”, Departamento de Neurociencias, Universidad del Pais Vasco, Bilbao (Spain). December 17, 1999.
- “Localization of GABA transporters in the cerebral cortex”, International Conference on GABA and Glycine Receptors, Cairns (Australia). July 29, 2000.
- “GABA transporters in cerebral cortex”, Workshop on GABA transporter localization, development, and function, Winter Conference on Brain Research, Steamboat Springs, CO (USA). January 27, 2001.
- “Glutamate and schizophrenia”, Department of Physiology, University of Bologna, Bologna (I). November 30, 2001.
- “Glutamate and schizophrenia: A role for GLT-1?”, Department of Physiology and Biochemistry, University of Pisa, Pisa (I). January 18, 2002.
- “Glutamatergic synapses and plasticity”, Workshop on Basic sciences and rehabilitation, Pisa (I). January 18, 2002.
- “GABA transporters and the pathophysiology of cerebral ischemia”, Department of Biomedical technologies, University of l’Aquila, L’Aquila (I). April 18, 2002.
- “Glutamate & schizophrenia: the emerging role of transporters”, Jacques Monod Conference, Anglet (France). June 10, 2002.
- “A role for GABA transporters in the pathophysiology of cerebral ischemia?”, 10th meeting of the Italian Society of Clinical Hemorheology, Emoreologia Clinica, L’Aquila (I). November 15, 2002.
- “Glutamate and schizophrenia: New answers for an old question?” Institute of Human Physiology, University of Parma, Parma (I). December 17, 2002.
- “Glutamate and schizophrenia: New answers for an old question?”, Department of Neurosciences, Mario Negri Institute, Milan (I). January 31, 2003.
- “Increased GLT-1 expression in the prefrontal cortex of schizophrenics”, Juan March Conference on “Synaptic Dysfunction & Schizophrenia”, Madrid (Spain). February 12, 2003.
- “Glutamate and schizophrenia: New answers for an old question?”, Department of Neurosciences, University of Naples Federico II, Naples (I). March 28, 2003.
- “GABA transporters: Localization, development and possible role in cerebral ischemia”, Department of Physiology and Biochemistry, University of Pisa, Pisa (I). April 1, 2003.
- “Claude Bernard”, Neuroscience Café at the Antico Caffè San Marco, Trieste (I). April 10, 2003.
- “Glutamate & Schizophrenia: New answers for an old question?”, (International School for Advanced Studies), Trieste (I). April 10, 2003.
- “Glutamate transporters: localization and possible implications for schizophrenia”, Institute of Physiological Sciences, University of Urbino, Urbino (I). April 29, 2003.

- “Glutamate transporters and schizophrenia”, Joint Italy-Israel Meeting in Neurosciences, Eilat (Israele). December 14, 2003.
- “Mind/Body vs. Mind/Brain: The viewpoint of the neurosciences”, CNR Institute for the history of modern philosophical and scientific culture, Naples (I). September 17, 2004.
- “Heterogeneity of axon terminals expressing VGLUT1 in the cerebral cortex”, Symposium on Physiology of the Presynapse: from molecules to plasticity, 55th Meeting of the Italian Physiological Society, Pisa (I). October 5, 2004.
- “From why to how: Claude Bernard and the birth of modern life sciences”, Genova 2004_Science Festival, Loggia dei Mercanti, Genova (I). November 2, 2004.
- “Taking up too much glutamate at cortical synapses...may be harmful”, 6th INBB Meeting, Naples (I). November 6, 2004.
- “The input of the neurosciences to the body-mind relationship”, Conference on Believing in God on the path of Science, Ancona (I). December 4, 2004.
- “Reorganizational plasticity of the cerebral cortex”, Workshop on Repair processes in rehabilitation, Gavinana (I). May 27, 2005
- “Localization of SNAT1 and SNAT2 in the cerebral cortex”, 3rd Wierzba Conference on Glutamate in CNS metabolism and neurotransmission: intereactions at the inter- and intracellular level, Wierzba (Poland). August 30, 2005.
- “Organization and molecular characterization of glutamatergic and GABAergic axon terminals in the cerebral cortex”, Symposium on Emerging aspects in synaptic physiology, Natioanl meeting of the italian physiological society, Ischia (I). October 1, 2005.
- “Habituation: a neurophysiological perspective” Department of Philosophy, University of Cassino, Cassino (I). October 19, 2005.
- “The role of synaptic plasticity in brain cognitive functions”, Department of Philosophy, Third University of Rome, Rome (I). December 21, 2005.
- “Novel aspects of the neurobiology of schizophrenia” Colloquium at SISSA (International School for Advanced Studies), Trieste (I). February 3, 2006.
- “Heterogeneity of glutamatergic and GABAergic axon terminals in cerebral cortex”, Department of Physiology and Biochemistry, University of Pisa, Pisa (I). April 28, 2006.
- ”Scientific research as a mean of dialogue between peoples and cultures”, University of Ancona and European Community Conference on Europe for citizens, *Ancona (I)*. May 10, 2006.
- “Glutamatergic transmission and schizophrenia”, Conference on Neuroscience and Psychiatry, Turin (I). June 14, 2006.
- “Glutamate and schizophrenia: A role for GLT-1?”, Conference on Molecular Basis of Neurological and Psychiatric Diseases, Martin (SK). September 9, 2006.
- “Glutamate and schizophrenia: A role for GLT-1?”, Brain Mind Institute, Ecole Polytechnique Fédérale de Lausanne, Lausanne (Switzerland). September 27, 2006.
- “Neuroethics: An introduction”, Workshop on Bioethics, Ancona (I). November 7, 2006.
- “E.J. Marey: the art of movement”, Neuroscience Café at the Antico Caffè San Marco, Trieste (I). November 9, 2006
- “The emerging role of GLT-1 in schizophrenia”, 2nd Mediterranean Neuroscience Conference, Marrakech (Morocco). December 13, 2006.
- “The emerging role of GLT-1 in schizophrenia”, Università Vita & Salute, San Raffaele Hospital, Milan (I). January 29, 2007.
- “Glutamate and schizophrenia: A role for GLT-1?”, Department of Pharmacology and Toxicology, Università of Genova, Genova (I). March 8, 2007.

- “Towards a neurobiology of economics?”, Department of Economics, Università Politecnica delle Marche, Ancona (I). June 22, 2007.
- “The emerging role of GLT-1 in schizophrenia”, Symposium on Regulation of neurotransmitter transporters and its functional implications, 7th IBRO World Congress of Neuroscience, Melbourne (Australia). July 15, 2007.
- “The role of the GABA transporter GAT-1 in phasic and tonic inhibition in the cerebral cortex”, IIT (Italian Institute of Technology), Genova (I). July 25, 2007.
- “Neuroethics: A view from the Lab”, International School of Philosophy and History of Biology and Medicine, Nettuno (I). November 5, 2007.
- “Plasticity of the adult brain”, UniTre, Senigallia (I). January 24, 2008.
- “The emerging role of GLT-1 in schizophrenia”, Campus Bio-Medico University, Rome (I). March 11, 2008.
- “Consciousness and vegetative states: the neurophysiological perspective”, Round table at FEST 2008 (International Science Media Fair), Trieste (I). April 19, 2008.
- “The nature of science”, Forum on Science: Fear or Hope?, Comune di Sassoferrato and Rotary Club, Sassoferrato (I). May 10, 2008.
- “From why to how: Claude Bernard and the birth of modern life sciences”, University G. d’Annunzio, Chieti (I). May 20, 2008.
- “The functional role of GAT-1 in neocortex”, Symposium of the Italian League against Epilepsy, Mestre (I). June 4, 2008.
- “The emerging role of GLT-1 in schizophrenia”, 4th Wierzba Conference on Glutamate in the tripartite synapse: functional and metabolic relations in norm and pathology, Wierzba (Poland). August 26, 2008.
- “Commemoration of Franco Angeleri”, Università Politecnica delle Marche, Ancona (I). October 16, 2008.
- “Plasticity of the sensorimotor cortex”, International Symposium on The Organ of the Brain, Schio (I). November 14, 2008.
- “Sens inférieurs et expérience esthétique: Spéculations neuroanatomiques”, Institut de France Conference on Inquietudes de la Modernité, Firenze (I). December 6, 2008.
- “Plasticity of the cerebral cortex”, Workshop on Sports Rehabilitation, L’Aquila (I). December 12, 2008.
- “From why to how: Claude Bernard and the birth of modern life sciences”, Kiwanis Club, Senigallia (I). January 23, 2009.
- “The nature of science”, UniTre, Senigallia (I). February 2, 2009.
- “From why to how: Claude Bernard and the birth of modern life sciences”, Department of Physiology, University of Pisa, Pisa (I). May 12, 2009.
- “From why to how: Claude Bernard and the birth of modern life sciences”, Università Vita e Salute, San Raffaele Hospital, Milano (I). May 28, 2009.
- “Central nervous system plasticity”, School on Neurocognitive Rehabilitation, Santa Maria di Leuca (I) June 25, 2009.
- “The nature of science”, Lions Host, Ancona (I), October 23, 2009.
- “Neuroethics: An introduction”, RUI (Residenza Universitaria Internazionale), Rome (I), October 28, 2009.
- “Neuroscience and religious belief”, Symposium on Darwin: science, history, and society, University G. d’Annunzio, Chieti (I). November 19, 2009.
- “A new look at the localization and function of the glutamate transporter GLT-1 (EAAT2) in the mammalian cerebral cortex”, Department of Physiology, University of Siena, Siena (I). December 4, 2009.
- “What, if anything, is neuroeconomics?”, UniTre, Senigallia (I). January 28, 2010.

- “Religion and Neurosciences”, UAAR Darwin Day, University G. d’Annunzio, Chieti (I). February 18, 2010.
- “Excitatory synapses and cognitive enhancement”, Conference on Neuroethics, Padova (I), May 7, 2010.
- “Neurobiology of schizophrenia: the case of glutamate”, Master in Science Communication, SISSA, Trieste (I), June 21, 2010.
- “Feeling art: brain and aesthetic experience”, Exhibition of Corrado Cagli, Serra de’ Conti (I), September 11, 2010.
- “From why to how: Claude Bernard and the birth of modern life sciences”, LUAS, Senigallia (I). January 20, 2011.
- “The nature of pain”, Il Dolore: immagini dall’arte, immagini dalla scienza. Università Politecnica delle Marche, Ancona (I). February 11, 2011.
- “Cognitive enhancement”. Seminars in Neuroradiology, Ancona (I), February 15, 2011.
- “The emerging role of GLT-1 in schizophrenia. CEINGE, Napoli (I). February 25, 2011.
- “From why to how: Claude Bernard and the birth of modern life sciences”. CEINGE, Napoli (I). February 25, 2011.
- “Santorio Santorio and his place in the history of ideas”. Santorio and the first steps of experimental physiology, Padua (I), October 6, 2011.
- “Culture & Research for the Future”. Public Lecture, Serra de’ Conti (I), November 16, 2011.
- “Brain Plasticity”. PhiloNeuro Seminar Series, Department of Philosophy, University of Milan, Milano, November 24, 2011.
- “Memory & Forgetting”, LUAS, Senigallia (I). February 2, 2012.
- “The Brain”, BAW, Ancona (I), March 15, 2012.
- “Brain, guilt & punishment”, Master in Science Communication, SISSA, Trieste (I), June 25, 2012.
- “Commemoration of Tullio Manzoni”, 63rd Meeting of the Italian Physiological Society, Verona (I). September 23, 2012.
- “Novel mechanism(s) for synaptic homeostasis”, Achucarro Basque Center for Neuroscience, Bilbao (Spain). November 25, 2012.
- “Brain plasticity”, Liceo Classico “G Peticari”, Senigallia (I), December 13, 2012.
- “Brain and Environment” BAW, Ancona (I), March 12, 2013.
- “Cerebral plasticity: from synapses to cognitive enhancement”, BAW Neuroplasticity and Motor Learning, Trieste (I), March 15, 2013.
- “The contribution of Claude Bernard to Physiology and Medicine”. The scientific legacy of Claude Bernard. A tribute on the bicentenary of his birth”. Accademia dei Lincei, Rome, May 7, 2013.
- “Claude Bernard and the birth of biomedicine”. Keynote Lecture, Young Researchers Meeting, Italian Physiological Society. Anacapri (I), May 21, 2013.
- “Neural plasticity & Brain Aging”. Summer School of the Italian Society of Gerontology and Geriatrics. Ancona (I). July 11, 2013.
- “Claude Bernard e la nascita della medicina scientifica”. *Lectio Magistralis*, Festival della Scienza 2013, Palazzo Ducale. Genua (I), October 30, 2013
- “Claude Bernard e la nascita della biomedicina”. Attualita’ di Claude Bernard, nel bicentenario della nascita. Accademia Medica di Roma. Rome (I), November 25, 2013.
- “Brain aging and synaptic plasticity”. La diagnostica delle demenze: dalla ricerca alla pratica clinica. INRCA, Ancona (I). December 10, 2013.
- “Come funziona la scienza” LUAS, Liceo Scientifico E. Medi, Senigallia (I). January 17, 2014.
- “Claude Bernard e la nascita della biomedicina”. Public Lecture, Liceo Classico “G Peticari”, Senigallia (I), February 6, 2014.
- “Claude Bernard e la nascita della biomedicina”. Accademia delle Scienze, Turin (I). February

- 12, 2014.
- “Novel mechanism(s) for synaptic homeostasis”, Department of Life Sciences and System Biology, University of Turin, Turin (I). February 13, 2014.
- “Claude Bernard e la nascita della medicina scientifica”. *Opening Lecture*, Med Seminar 2014, Roma (I), March 6, 2014.
- “Claude Bernard e la nascita della biomedicina”. *Infinitamente*. Festival della Scienza e delle Arti 2014, Verona (I), March 16, 2014.
- “Neuroscience and the Law”, Master in Science Communication, SISSA, Trieste (I), March 19, 2014.
- “Claude Bernard e la nascita della biomedicina”. Caffè Tommaseo, Trieste (I). March 20, 2014.
- “Synaptic heterogeneity. Vive la différence?”. Pomeriggi scientifici, Department of Biology, University of Padua, Padua (I). April 16, 2014.
- “Scienza e certezza/e”. Oltre il mito della certezza: l’Uomo e la Scienza. XXVIII Convegno Nazionale dell’Istituto di Psicopsintesi, Portonovo di Ancona (I). April 26, 2014.
- “La prospettiva neuroscientifica”. I segreti dell’anima: tra neuroscienze e teologia. Teatro delle Muse, Ancona (I). May 6, 2014
- “Nano-scale localization of GAT-1 and GAT-3 at cortical GABAergic synapses” Glutamate/GABA and neuro-glia-vascular interplay in norm and pathology, Krakow (P). May 23, 2014.
- “Perché la sperimentazione animale è necessaria”. Caffè Scientifico Gulliver. Ancona (I). June 3, 2014.
- “Brain Aging”. Nuove Frontiere della Medicina, Accademia Marchigiana di Scienze, Lettere e Arti, Ancona (I). June 13, 2014.
- “Science & Philosophy: Where are we?”. Physiology and Philosophy: historical perspectives. Pre-Meeting Symposium of the 65th national Congress of the Italian Physiological Society (SIF), Anacapri (I). September 28, 2014.
- “Neurotransmitter transporters unveil hidden features of synaptic physiology”. National Neuroscience Society of Romania, Carol Davila University of Medicine and Pharmacy, Bucharest (RO). October 24, 2014.
- “In search of lost plasticity”, INRCA IRCSS Workshop, Ancona (I). December 11, 2014.
- “Brain aging”, LUAS, Senigallia (I). January 15, 2015.
- “Neuroscience and the Law”, Master in Science Communication, SISSA, Trieste (I). January 20, 2015.
- “Neurotransmitter transporters unveil hidden features of synaptic physiology”. National meeting of the PhD students in Neuroscience. Naples (I), February 26, 2015.
- “Scientific method and a vision of the neuroscience in Claude Bernard”, National meeting of the PhD students in Neuroscience. Naples (I), February 26, 2015.
- “Phantom limb. From clinical curiosity to a window on the mind”. Senza Senso, BAW, Trieste (I). March 20, 2015.
- “Neurotransmitter transporters unveil hidden features of synaptic physiology”, Università Cattolica del Sacro Cuore. Rome (I), March 26, 2015.
- “Scienza & Filosofia: Dove siamo?”. Liceo Classico C. Rinaldini, Ancona (I). April 11, 2015.
- “Invecchiamento cerebrale e declino cognitivo”. Festival della Scienza Medica, Bologna (I), May 9, 2015.

Funding

1988-1990 Regione Marche

1987-1994 MURST

1994-2012 Università Politecnica delle Marche (formerly Università di Ancona)

1989	CNR (AI89.01151.04)
1990	CNR (AI90.01371.04)
1991	NATO (CRG.910273)
1992	CNR (PB 92.01008.CT04)
1993	NATO (CRG. 910273, rinnovo)
1995	CNR (PB 94.02382.CT04)
1997	MURST/PRIN (Local Coordinator)
1998	Telethon
1998	Stanley Foundation/NAMI Res Inst
1999	MURST/PRIN (Local Coordinator)
2000	Stanley Foundation/NAMI Res Inst
2001	MURST/PRIN (National Coordinator)
2003	MURST/PRIN (National Coordinator)
2004	Giorgini Foundation
2005	MIUR/PRIN (Local Coordinator)
2008	MIUR/PRIN (Local Coordinator)
2011	Giorgini Foundation
2011	MIUR/PRIN (Local Coordinator)
2013	Telethon (Collaborator)

Ad Hoc Reviewer

Journals

African Journal of Pharmacy and Pharmacology
 Archives italiennes de Biologie
 Biological Psychiatry
 BMC Neuroscience
 Brain Research
 Brain Research Bulletin
 British Journal of Pharmacology
 Cerebral Cortex
 Croatian Medical Journal
 Curr Op Invest Drug
 European Journal of Neuroscience
 Experimental Brain Research
 Experimental Neurology
 FEMS Microbiology Letters
 Frontiers in Aging Neuroscience
 Frontiers in Behavioral Neuroscience
 Frontiers in Endocrinology
 Frontiers in Human Neuroscience
 Frontiers in Neuroanatomy
 Glia
 Histology and Histopathology
 Journal of Comparative Neurology
 Journal of Electrophysiological Techniques
 Journal of Histochemistry and Cytochemistry
 Journal of Experimental Biology
 Journal of Neural Regeneration Research
 Journal of Neural Transmission

Journal of Neurochemistry
Journal of Neurophysiology
Journal of Neuroscience
Journal of Neuroscience Methods
Journal of Neuroscience Research
Journal of Pharmacy and Pharmacology
Journal of Psychopharmacology
Journal of Physiology
Medicinal Research Review
Molecular Psychiatry
Nature Communications
Nature Reviews Molecular Cell Biology
Neurobiology of Disease
Neurochemistry International
Neuropharmacology
Neuropsychopharmacology
Neuroscience
Neuroscience & Biobehavioral Reviews
Neuroscience Letters
Neuroscience Research
Neurosignals
Nutritional Neuroscience
Peer Journal
Pharmacology, Biochemistry and Behavior
PloS ONE
Progress in Neurobiology
Progress in Neuropsychopharmacology and Biological Psychiatry
Schizophrenia Research
Science
Somatosensory and Motor Research
Synapse
Trends in Pharmacological Sciences

Agencies

Agence National de la Recherche (F)
British Council/CRUI/MIUR (I-UK)
CIR Projects (I)
CIVR (I)
CRUI/DAAS (I-D)
European Community (EU, Neurosciences)
FIRB/MIUR (I)
Flanders Research Foundation (Fonds Wetenschappelijk Onderzoek, FWO)
Georgia National Science Foundation (GE)
Human Brain Project (EU)
Human Frontier Science Program
Israel-USA Science Program (USA)
MIUR_FIRB (I)
MIUR_Futuro in Ricerca (I)
MIUR_Montalcini (I)
MIUR_PRIN (I)

MIUR_SIR (I)
National Science Foundation (USA)
NATO
Rustaveli Foundation (GE)
von Humboldt Foundation (D)
VQR 2004-2010 (I)
Wellcome Trust (UK)

Universities

Bowman-Gray School of Medicine (USA)
Consejo Superior Investigaciones Cientificas (E)
Ecole des Neurosciences de PARIS
Ecole Polytechnique Federal de Lausanne (CH)
International School for Advanced Studies of Trieste (SISSA)
Kent State University (USA)
Leuven University (B)
Università Autonoma di Madrid (E)
University of Bonn (D)
University of Indiana (USA)
University of Texas at San Antonio (USA)
University of California at Los Angeles (UCLA) (USA)
University of Liège (B), ARC (Action de Recherche Concertée)

Other professional activities

Organization of symposia, congresses etc..

"Excitatory Amino Acids & the Cerebral Cortex" (with TP Hicks), International Symposium
Funded by CEC, DG XII, Portonovo (I). May 20-24, 1995.
"52nd Meeting of the italian physiological society" (with T Manzoni), Ancona (I). September
25-28, 2001.
"64th Meeting of the italian physiological society", Portonovo (I). September 18-20, 2013.

"Glutamatergic transmission: A view from the dendrite" (with RJ Weinberg), Society for
Neuroscience Symposium, Washington, DC (USA). November 19, 1996.
"Factors generating heterogeneity at central synapses", Symposium at the Annual Meeting of
the italian physiological society, Rome (I). September 23, 1999.
"Emerging aspects in synaptic physiology" (with E Cherubini), Symposium at the Congress
of the italian Society for Neuroscience, Ischia (I). October 1, 2005.
"Transport of neurotransmitters" (with M Matteoli) Symposium at the international Meeting
TRANSPORTERS 2006, Parma (I). September 7, 2006.
"Glutamate/GABA-corelease: a new mechanism for synaptic homeostasis?" (with F
Benfenati), Symposium at the Annual Meeting of the italian physiological society,
Verona (I). September 24, 2012.
"The scientific legacy of Claude Bernard. A tribute on the bicentenary of his birth" (with G
Corbellini), Symposium of the Accademia Nazionale dei Lincei, Roma (I). May 7,
2013.
"The senescent synapse". Pre-meeting Symposium at Annual Meeting of the italian
physiological society (SIF), Ancona Portonovo (I). September 18, 2013.
"Glial modulation of neurotransmitter signalling" (with M Matteoli), Symposium at the XV
Congress of the italian Society of Neuroscience (SINS), Rome (I). October 4, 2013.

“Physiology and Philosophy: historical perspectives”. Pre-Meeting Symposium of the 65th Annual Meeting of the Italian Physiological Society (SIF), Anacapri (I). September 28, 2014.

“In search of lost plasticity”, Workshop at the INRCA IRCCS, Ancona (I). December 11, 2014.

Organization of conferences and events for the general public etc

“Science & Philosophy”, Conferences for the general public, Ancona (I), 2000-present (for details: http://fiorenzocontigroup.it/main?p=ricerca_fisio_group_conti_scienza)

“Franco Angeleri Lectures”, Conferences for the general public. Ancona (I), 2010-present (for details: http://fiorenzocontigroup.it/main?p=ricerca_fisio_group_conti_miscel_Angeleri)

“INRCA Lecture on Brain Aging”, Conferences for the general public. Ancona (I), 2013-present

“Il Dolore. Immagini dall’arte, immagini dalla scienza”, Exhibition and conferences on pain (with F Benedetti and C Caputi). Ancona (I), February 11-25, 2011.

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