

CURRICULUM VITAE



PERSONAL INFORMATION

Name and surname BIELLA Gerardo Rosario
Address VIA MONZA, 58, 23870, Cernusco Lombardone
Qualification ASSOCIATE PROFESSOR
Administration University of Pavia – Dept. Of Biology and Biotechnology “L. Spallanzani”
Phone +39-0382987615
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E-mail gerardo.biella@unipv.it
Nationality Italian
Date of birth 2 OCTOBER 1965
Marital status Married

WORK EXPERIENCE

2015-to date Associate professor SSD BIO/09 Physiology- UNIPV
2002-2015 Researcher/Aggregate Professor SSD BIO/09 Physiology - University of Pavia – Dept. of Biology and biotechnology "Lazzaro Spallanzani"
2003 (september) University of Alberta (CANADA) – Dept. of Psychology (Laboratory Chief : Prof. CT Dickson)
2002 National Neurologic Institute “C. Besta”- Milan
Researcher (sponsor Fondazione Cariplo) - Supervisor: dr. M. de Curtis
2000-2001 National Neurologic Institute “C. Besta”- Milan
Researcher EU grant Biomed VSAMUEL (IST-99-1-1-A) -Supervisor: dr. M. de Curtis
1999 (august) Electrotechnical Institut – Div. Molecular Neuroscience (Tsukuba-Japan)
- Researcher - Supervisor: dr. Toshio Iijima
1999 (january) Institut fur Physiologie Otto-von-Guericke Universitaet di Magdeburg (Germany) – Researcher - Supervisor: Prof. H-C Pape
1997-1999 National Neurologic Institute “C. Besta”- Milan
Researcher Human Frontier Science Program Organization - Supervisor:

dr. M. de Curtis

- 1995-1996 Institut für Physiologie Otto-von-Guericke Universität di Magdeburg (Germany) Researcher - Supervisor: Prof. H-C Pape. Short-Term Fellowship of the European Science Foundation (BAT-O contract) – Supervisor: Prof. H-C Pape
- 1992-1994 National Neurologic Institute “C. Besta”- Milan Fellow - Supervisor: dr. M. de Curtis

EDUCATION AND TRAINING

- 2003 PhD in Physiology - University of Milan and National Neurologic Institute “C. Besta”
Thesis: Propagation of associative input and oscillatory activity in the parahippocampal region of the guinea pig
Tutor: dr. M. de Curtis. Coordinator: Prof. F. Baldissera
- 1993 State examination for the biologist profession –University of Pavia
- 1990 Degree in Biological Sciences - University of Milan – Dept. of General Physiology and Biochemistry
Thesis: The cytosolic concentration and the calcium current in the sensory neuron of adult rat
Supervisor: Prof. A. Ferroni, Correlator: Prof. E. Wanke

COURSES /WORKSHOP

- 2013 CORTONA (4-12 may)- "Neural Stem Cells in Development and for Brain Repair"
- 2005 MADRID (7-9 march) Instituto Juan March -"The neural substrates of cognition"
- 2002 VENICE (21 july - 4 august) - "Bridging basic with clinical epileptology"
- 2002 GENOA (10-13 june) - "NeuroEngineering Workshop and Advanced School"
- 1996 MILAN (11-13 november) National Instruments - LABVIEW/BASE

TEACHING ACTIVITIES

a.a. 2004/05 - a.a. 2005/06 - a.a. 2006/07 - a.a. 2007/08: Neural Basis of behavior and neuropsychology 4 CFU (Master's degree in Neurobiology)

a.a. 2008/09: Neural Basis of behavior and neuropsychology 4 CFU (Master's degree in Neurobiology) – Physiology 3 CFU (Bachelor's degree in Biological Sciences)

*a.a. 2009/10: Neural Basis of behavior and neuropsychology 4 CFU (Master's degree in Neurobiology) - Physiology 3 CFU (Bachelor's degree in Biological Sciences)
- Bioengineering and Physiology 6 CFU (Degree in Bioengineering)*

a.a. 2010/11: Neural Basis of behavior and neuropsychology 6 CFU (Master's degree in Neurobiology)

*Bioengineering and Physiology 6 CFU (Degree in Bioengineering)
- Physiology 3 CFU (Bachelor's degree in Biological Sciences)
- General Physiology 3 CFU (Bachelor's degree in Biological Sciences)*

a.a. 2011/12- a.a. 2012/13 - a.a. 2013/14 -a.a. e 2014/15 Neural Basis of behavior and neuropsychology 6 CFU (Master's degree in Neurobiology)

*- Bioengineering and Physiology 6 CFU (Degree in Bioengineering)
- General Physiology 3 CFU (Bachelor's degree in Biological Sciences)*

a.a. 2015/2016: Neural Basis of behavior and neuropsychology 6 CFU (Master's degree in Neurobiology)

*- Bioengineering and Physiology 6 CFU (Degree in Bioengineering)
- General Physiology 3 CFU (Bachelor's degree in Biological Sciences)*

aa 2016/2017 - aa 2017/2018 Neural Basis of behavior and neuropsychology 6 CFU (Master's degree in Neurobiology)

- Bioengineering and Physiology 6 CFU (Degree in Bioengineering)

- General Physiology 3 CFU (Bachelor's degree in Biological Sciences)

- Cellular Neurophysiology 3 CFU (Master's degree in Neurobiology)

2013 - 2017 Collegio Borromeo Pavia - Physiology for students in Medicine and Surgery

2011 Fondazione Bonaccorsi Milan - Didactics

2014 - 2016 University of Milan - Didactics

2016 - 2017 University of Pavia - Master in Music Therapy

2017 Primary school "G. Rodari" Cernusco Lombardone – Didactics

GRANTS

Collaborator in research projects funded by CHDI Foundation, Telethon, Ministero della Salute, European Community and Fondazione Cariplo (Leaders of the projects: Elena Cattaneo, Ivan de Curtis, Hans Christian Pape and Marco de Curtis).

Reviewer for international journals including: Epilepsy Research, Neurobiology of Disease and Cerebral Cortex

Project	Duration	Role
PRIN 2005(2005059453_003)	24	Responsible of research unit
PRIN 2008 (20082RPFYF)	24	Responsible of research unit
PRIN 2010(2010JMMZLY_005)	36	Responsible of research unit
EC Grant FP5 IST-1999-10079 VSAMUEL	36	Collaborator
HFSP Grant RG 109/96	24	Collaborator
Telethon 2012 GGP12122	24	Collaborator
Telethon 2012 GGP12126	36	Collaborator
CHDI Foundation 2011	24	Collaborator

MOTHER TONGUE [ITALIAN]

OTHER LANGUAGES

	Reading	Writing	Speaking
English	Fluent	Good	Good
French	Basic	Basic	Basic
German	Basic	Basic	Basic

TECHNICAL SKILLS Expertize in electrophysiological patch-clamp recordings, voltage sensitive dyes recordings, local field potential recordings, calcium imaging techniques, neuroanatomical techniques (traditional histological and immunohistochemical staining), information technology skills (LABVIEW, CLAMPVIEW, Clampex, Clampfit, Origin, Corel PhotoPaint, and Corel Draw)

RESEARCH FOCUS Electrophysiological patch-clamp recordings on brain slices of mice/rats and on cell cultures aimed to investigate:

1. Stem and fetal cells functional differentiation into mature striatal medium-sized spiny neurons
2. Abnormal function of striatal medium-sized spiny neurons in a mouse model of Huntington's disease
3. Physiology of hippocampal and parahippocampal areas
4. Neurobiology of epilepsy

MEMBERSHIP IN SOCIETIES The Physiological Society of Italy (SIF)
Italian/European Neuroscience Society (SINS /FENS)

BUSINESS,
ORGANIZATIONAL AND
SERVICE ACTIVITIES.

2006 Member of scientific committee - Congress " The node and the network" – University of Pavia

2008 Member of selection board for 1 research position – University of Turin

2008 Board of examiners member for Neurophysiology Doctoral School – University of Bologna

2009, 2014 Board of examiners member for Physiology and Neuroscience Doctoral School – University of Pavia

2010 Member of selection board for 1 postdoctoral assistant position - University of Pavia

2010 Board of examiners member for Neurophysiology Doctoral School
–University of Milano-Bicocca

2014 Member of scientific committee – Congress “ The first 10 years of
the master’s program in Neurobiology at the University of Pavia” –
University of Pavia

2012-2015 Member of academic senate – University of Pavia

2016 Board of examiners member for Neurophysiology Doctoral School
–University of Milano-Bicocca

2016 Member of DBB department board – University of Pavia

2017 Member of professors board of Doctoral School in Biomedical
Sciences – University of Pavia

2017 Member of scientific committee - Congress “ 68th SIF National
Congress” - University of Pavia

Publications

Author of 49 publications indexed in PubMed and 3 Chapter in Books

Citations 2314

h-index 23

i10-index 34

49) 2017

Andrea Faedo, Angela Laporta, Alice Segnali, Maura Galimberti, Dario Besusso, Elisabetta Cesana, Sara Belloli, Rosa Maria Moresco, Marta Tropicano, Elisa Fucà, Stefan Wild, Andreas Bosio, Alessandro E Vercelli, Gerardo Biella, Elena Cattaneo. Differentiation of human telencephalic progenitor cells into MSNs by inducible expression of Gsx2 and Ebf1. *PNAS* E1234–E1242, doi: 10.1073/pnas.1611473114 30 Gen 2017

48) 2017

Silvia Ripamonti, Mateusz C Ambrozkiwicz, Francesca Guzzi, Marta Gravati, Gerardo Biella, Ingo Bormuth, Matthieu Hammer, Liam P Tuffy, Albrecht Sigler, Hiroshi Kawabe, Katsuhiko Nishimori, Mauro Toselli, Nils Brose, Marco Parenti, JeongSeop Rhee. Transient oxytocin signaling primes the development and function of excitatory hippocampal neurons. *e-life* Vol 6 epages e22466 23 Feb 2017

47) 2016

Pennucci R*, Talpo F*, Astro V, Montinaro V, Morè L, Cursi M, Castoldi V, Chiaretti S, Bianchi V, Marenni S, Cambiaghi M, Tonoli D, Leocani L, Biella G, D'Adamo P, de Curtis I. Loss of either Rac1 or Rac3 GTPase differentially affects the behavior of mutant mice and the development of functional GABAergic networks. *Cereb Cortex*. 2016 Feb;26(2):873-90. doi: 10.1093/cercor/bhv274. Epub 2015 Nov 17

46) 2015

Valenza M, Marullo M, Di Paolo E, Cesana E, Zuccato C, Biella G, Cattaneo E. Disruption of astrocyte-neuron cholesterol cross talk affects neuronal function in Huntington's disease. *Cell Death Differ*. 2015 Apr;22(4):690-702. doi: 10.1038/cdd.2014.162. Epub 2014 Oct 10

45) 2014

Onorati M., Castiglioni V., Biasci D., Cesana E., Menon R., Vuono R., Talpo F., Goya R.L., Lyons P.A., Bulfamante G.P., Muzio L., Martino G., Toselli M., Farina C., Barker R.A., Biella G., Cattaneo E. (2014). Molecular and Functional Definition of the Developing Human Striatum. *NATURE NEUROSCIENCE*; 2014. Dec;17(12):1804-15. doi: 10.1038/nn.3860. Epub 2014 Nov 10

44) 2014

M Valenza, M Marullo, E Di Paolo, E Cesana, C Zuccato, G Biella, E Cattaneo. Disruption of astrocyte-neuron cholesterol cross talk affects neuronal function in Huntington's disease. *CELL DEATH AND DIFFERENTIATION*, advance online publication 10 october 2014, doi: 10.1038/cdd.2014.162

43) 2014

Vaghi V, Pennucci R, Talpo F, Corbetta S, Montinaro V, Barone C, Croci L, Spaiardi P, Consalez GG, Biella G, de Curtis I. Rac1 and rac3 GTPases control synergistically the development of cortical and hippocampal GABAergic interneurons. *Cereb Cortex*. 2014 May;24(5):1247-58. doi: 10.1093/cercor/bhs402. Epub 2012 Dec 20. PubMed PMID: 23258346; PubMed Central PMCID: PMC3977619.

42) 2013

Carri AD, Onorati M, Lelos MJ, Castiglioni V, Faedo A, Menon R, Camnasio S, Vuono R, Spaiardi P, Talpo F, Toselli M, Martino G, Barker RA, Dunnett SB, Biella G, Cattaneo E. Developmentally coordinated extrinsic signals drive human pluripotent stem cell differentiation toward authentic DARPP-32+ medium-sized spiny neurons. *Development*. 2013 Jan 15;140(2):301-12. doi: 10.1242/dev.084608. PubMed PMID: 23250204.

41) 2013

Delli Carri A, Onorati M, Castiglioni V, Faedo A, Camnasio S, Toselli M, Biella G, Cattaneo E. Human pluripotent stem cell differentiation into authentic striatal projection neurons. *Stem Cell Rev.* 2013 Aug;9(4):461-74. doi: 10.1007/s12015-013-9441-8. PubMed PMID: 23625190.

40) 2012

Mauri Mario, Lentini Daniela, Gravati Marta, Foudah Dana, Biella Gerardo, Costa Barbara, Toselli Mauro, Parenti Marco, Coco Silvia. (2012). Mesenchymal stem cells enhance GABAergic transmission in co-cultured hippocampal neurons. *MOLECULAR AND CELLULAR NEUROSCIENCES*, vol. 49, p. 395-405, ISSN: 1044-7431, doi: 10.1016/j.mcn.2012.02.004

39) 2012

DiFebo Francesca, Curti Daniela, Botti Francesca, Biella Gerardo, Bigini Paolo, Mennini Tiziana, Toselli Mauro (2012). Neural precursors (NPCs) from adult L967Q mice display early commitment to "in vitro" neuronal differentiation and hyperexcitability. *EXPERIMENTAL NEUROLOGY*, vol. 236, p. 307-318, ISSN: 0014-4886, doi: 10.1016/j.expneurol.2012.05.010

38) 2011

Onorati Marco, Binetti Maurizio, Conti Luciano, Camnasio Stefano, Calabrese Giovanna, Albieri Ilaria, Di Febo Francesca, Toselli Mauro, Biella Gerardo, Martynoga Ben, Guillemot Francois, Consalez Giacomo, Cattaneo Elena (2011). Preservation of positional identity in fetal-derived neural stem (NS) cells from different mouse central nervous system compartments.. *CELLULAR AND MOLECULAR LIFE SCIENCES*, vol. 68, p. 1769-1783, ISSN: 1420-9071, doi: 10.1007/s00018-010-0548-7

37) 2010

Biella G, Spaiardi P, Toselli M, de Curtis M, Gnatkovsky V (2010). Functional interactions within the parahippocampal region revealed by voltage-sensitive dye imaging in the isolated guinea pig brain. *JOURNAL OF NEUROPHYSIOLOGY*, vol. 103, p. 725-732, ISSN: 0022-3077, doi:10.1152/jn.00722.2009

36) 2010

Spaiardi P., Talpo F., Toselli M., Biella G., Marinoni A., Savazzi P., Favalli L. (2010). Analysis of the noise associated to the muscarinic modulation of the mouse perirhinal cortex. In: -. proceedings of The 3rd International Symposium on Applied Sciences in Biomedical and Communication Technologies. Roma, 7-10 novembre, p. 1-5, Roma:CTIF , IEEE, ISBN: 9781424481316, doi:10.1109/ISABEL.2010.5702765

35) 2009

Spiliotopoulos D, Goffredo D, Conti Luciano, Di Febo Francesca, Biella Gerardo, Toselli Mauro, Cattaneo Elena (2009). An optimized experimental strategy for efficient conversion of embryonic stem (ES)-derived mouse neural stem (NS) cells into a nearly homogeneous mature neuronal population.. *NEUROBIOLOGY OF DISEASE*, vol. 34, p. 320-331, ISSN: 0969-9961, doi:10.1016/j.nbd.2009.02.007

34) 2008

Sun Y, Pollard S, Conti L, Toselli M, Biella G, Parkin G, Willatt L, Falk A, Cattaneo E, Smith A (2008). Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. *MOLECULAR AND CELLULAR NEUROSCIENCES*, vol. 38, p. 245-258, ISSN: 1044-7431, doi:10.1016/j.mcn.2008.02.014

33) 2008

Goffredo D., Conti L., Di Febo F., Biella G., Tosoni A., Vago G., Moiana A., Bolognini D., Toselli M., Cattaneo E. (2008). Setting the conditions for efficient, robust and reproducible generation of functionally active neurons from adult subventricular zone-derived neural stem cells. *CELL DEATH AND DIFFERENTIATION*, vol. 15, p. 1847-1856, ISSN: 1350-9047, doi: 10.1038/cdd.2008.118

32) 2008

D'Orlando C., Guzzi F., Gravati M., Biella G., Toselli M., Meneveri R., Barisani D., Parenti M. (2008). Retinoic acid- and phorbol ester-induced neuronal differentiation down-regulates caveolin expression in GnRH neurons. *JOURNAL OF NEUROCHEMISTRY*, vol. 104, p. 1577-1587, ISSN: 0022-3042, doi:10.1111/j.1471-4159.2007.05109.x

31) 2007

Biella Gerardo, Di Febo Francesca, Goffredo D, Moiana A, Taglietti Vanni, Conti Luciano, Cattaneo Elena, Toselli Mauro (2007). Differentiating embryonic stem-derived neural stem cells show a maturation-dependent pattern of voltage-gated sodium current expression and graded action potentials. *NEUROSCIENCE*, vol. 149, p. 38-52, ISSN: 0306-4522

30) 2007

Castelli Loretta, Biella Gerardo, Toselli Mauro, Magistretti Jacopo (2007). Resurgent Na⁺ current in pyramidal neurones of rat perirhinal cortex: axonal location of channels and contribution to depolarizing drive during repetitive firing.. *THE JOURNAL OF PHYSIOLOGY*, vol. 582, p. 1179-1193, ISSN: 1469-7793, doi: 10.1113/jphysiol.2007.135350

29) 2007

Biella Gerardo, Spaiardi Paolo, Jimenez-Moreno Ramòn, Magistretti Jacopo, Taglietti Vanni, Toselli Mauro (2007). A fast transient outward current in layer II/III neurons of rat perirhinal cortex. *PFLUGERS ARCHIV*, vol. 455, p. 515-525, ISSN: 0031-6768, doi: 10.1007/s00424-007-0299-y

28) 2006

Hofmann UG, Folkers A, Moesch F, Malina T, Menne KML, Biella Gerardo, Fagerstaedt P, De Schutter E, Jensen W, Yoshida K, Hoehl D, Thomas U, Kindlundh MG, Norlin P, de Curtis Marco (2006). A novel high channel-count system for acute multi-site neuronal recordings. *IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*, vol. 53, p. 1672-1677, ISSN: 0018-9294, doi:10.1109/TBME.2006.877807

27) 2005

Toselli Mauro, Biella Gerardo, Taglietti Vanni, Cazzaniga E., Parenti M. (2005). Caveolin-1 expression and membrane cholesterol content modulate N-type calcium channel activity in NG108-15 cells.. BIOPHYSICAL JOURNAL, vol. 89, p. 2443-2457, ISSN: 0006-3495

26) 2005

Conti L, Pollard Sm, Gorba T, Reitano E, Toselli Mauro, Biella Gerardo, Sun Y, Sanzone S, Ying Ql, Cattaneo E, Smith A (2005). Niche-independent symmetrical self-renewal of a mammalian tissue stem cell.. PLOS BIOLOGY, vol. 3, p. 1594-1606, ISSN: 1544-9173, doi: 10.1371/journal.pbio.0030283

25) 2004

Uva Laura, Gruschke S, Biella Gerardo, de Curtis Marco, Witter Menno (2004). Cytoarchitectonic characterization of the parahippocampal region of the guinea pig. JOURNAL OF COMPARATIVE NEUROLOGY, vol. 474, p. 289-303, ISSN: 0021-9967, doi: 10.1002/cne.20121

24) 2003

DICKSON CT, G. BIELLA, DE CURTIS M. (2003). Slow periodic events and their transition to gamma oscillations in the entorhinal cortex of the isolated Guinea pig brain. JOURNAL OF NEUROPHYSIOLOGY, vol. 90, p. 39-46, ISSN: 0022-3077, doi: 10.1152/jn.01063.2002

23) 2003

BIELLA G., GNATKOVSKY V., TAKASHIMA I., KAJIWARA R., IJIMA T., DE CURTIS M. (2003). Olfactory input to the parahippocampal region of the isolated guinea pig brain reveals weak entorhinal-to-perirhinal interactions. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 18, p. 95-101, ISSN: 0953-816X, doi: 10.1046/j.1460-9568.2003.02730.x

22) 2002

BIELLA G., UVA L., DE CURTIS M. (2002). Propagation of neuronal activity along the neocortical-perirhinal-entorhinal pathway in the guinea pig. THE JOURNAL OF NEUROSCIENCE, vol. 22, p. 9972-9979, ISSN: 0270-6474

21) 2002

BIELLA G., UVA L., HOFFMAN U.G., DE CURTIS M. (2002). Associative interactions within the superficial layers of the entorhinal cortex of the guinea pig. JOURNAL OF NEUROPHYSIOLOGY, vol. 88, p. 1159-1165, ISSN: 0022-3077, doi: 10.1152/jn.00022.2002

20) 2001

G. BIELLA, UVA L., DE CURTIS M (2001). Network activity evoked by neocortical stimulation in area 36 of the guinea pig perirhinal cortex.. JOURNAL OF NEUROPHYSIOLOGY, vol. 86, p. 164-172, ISSN: 0022-3077

19) 2001

DE CURTIS M., LIBRIZZI L., G. BIELLA (2001). Discharge threshold is enhanced for several seconds after a single interictal spike in a model of focal epileptogenesis. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 14, p. 1-6, ISSN: 0953-816X, doi: 10.1046/j.0953-816x.2001.01637.x

18) 2001

G. BIELLA, MEIS S, PAPE HC (2001). Modulation of a CA2+-dependent K+ current by intracellular cAMP in rat thalamocortical relay neurons.. THALAMUS AND RELATED SYSTEMS, vol. 1, p. 157-167, ISSN: 1472-9288, doi: 10.1017/S1472928801000152

17) 2000

DICKSON CT, G. BIELLA, DE CURTIS M. (2000). Evidence for spatial modules mediated by temporal synchronization of carbachol-induced gamma rhythm in medial entorhinal cortex.. THE JOURNAL OF NEUROSCIENCE, vol. 20, p. 7846-7854, ISSN: 0270-6474

16) 2000

G. BIELLA, DE CURTIS M (2000). Olfactory inputs activate the medial entorhinal cortex via the hippocampus.. JOURNAL OF NEUROPHYSIOLOGY, vol. 83, p. 1924-1931, ISSN: 0022-3077

15) 2000

Hofmann U.G., Folkers A., Malina T., Biella G., de Curtis M., DeSchutter R., Yoshida K., Thomas U., Höhl D., Norlin P (2000). TOWARDS A VERSATILE SYSTEM FOR ADVANCED NEURONAL RECORDINGS USING SILICON MULTISITE MICROELECTRODES. BIOMEDIZINISCHE TECHNIK, vol. 45, p. 169-170, ISSN: 0013-5585

14) 1999

LIBRIZZI L, G. BIELLA, CIMINO C, DE CURTIS M. (1999). Arterial supply of limbic structures in the guinea pig.. JOURNAL OF COMPARATIVE NEUROLOGY, vol. 411, p. 674-682, ISSN: 0021-9967, doi: 10.1002/(SICI)1096-9861(19990906)411:4<674::AID-CNE11>3.0.CO;2-O

13) 1998

DE CURTIS M, G. BIELLA, BUCCELLATI C, FOLCO G (1998). Simultaneous investigation of the neuronal and vascular compartments in the guinea pig brain isolated in vitro.. BRAIN RESEARCH PROTOCOLS, vol. 3, p. 221-228, ISSN: 1385-299X, doi: 10.1016/S1385-299X(98)00044-0

12) 1998

DE CURTIS M, MANFRIDI A, G. BIELLA (1998). Activity-dependent pH shifts and periodic recurrence of spontaneous interictal spikes in a model of focal epileptogenesis.. THE JOURNAL OF NEUROSCIENCE, vol. 18, p. 7543-7551, ISSN: 0270-6474

11) 1997

BUDDE T, G. BIELLA, MUNSCH T, PAPE HC (1997). Lack of regulation by intracellular Ca²⁺ of the hyperpolarization-activated cation current in rat thalamic neurones.. THE JOURNAL OF PHYSIOLOGY, vol. 503, p. 79-85, ISSN: 1469-7793, doi: 10.1111/j.1469-7793.1997.079bi.x

10) 1997

FORTI M, BIELLA G., CACCIA S, DE CURTIS M (1997). Persistent excitability changes in the piriform cortex of the isolated guinea-pig brain after transient exposure to bicuculline. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 9, p. 435-451, ISSN: 0953-816X

9) 1996

DE CURTIS M, G. BIELLA, FORTI M (1996). Epileptiform activity in the piriform cortex of the in vitro isolated guinea pig brain preparation.. EPILEPSY RESEARCH, vol. 26, p. 75-80, ISSN: 0920-1211, doi: 10.1016/S0920-1211(96)00042-3

8) 1996

MEIS S, G. BIELLA, PAPE HC. (1996). Interaction between low voltage-activated currents in reticular thalamic neurons in a rat model of absence epilepsy.. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 10, p. 2090-2097, ISSN: 0953-816X

7) 1996

G. BIELLA, FORTI M, DE CURTIS M (1996). Propagation of epileptiform potentials in the guinea-pig piriform cortex is sustained by associative fibres. EPILEPSY RESEARCH, vol. 24, p. 137-146, ISSN: 0920-1211, doi: 10.1016/0920-1211(96)00014-9

6) 1996

BIELLA G., PANZICA F, DE CURTIS M (1996). Interactions between associative synaptic potentials in the piriform cortex of the in vitro isolated guinea pig brain. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 8, p. 1350-1357, ISSN: 0953-816X

5) 1995

BIELLA G., DE CURTIS M. (1995). Associative synaptic potentials in the piriform cortex of the isolated guinea-pig brain in vitro. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 7, p. 54-64, ISSN: 0953-816X

4) 1994

DE CURTIS M, BIELLA G., FORTI M, PANZICA F (1994). Multifocal spontaneous epileptic activity induced by restricted bicuculline ejection in the piriform cortex of the isolated guinea pig brain. JOURNAL OF NEUROPHYSIOLOGY, vol. 71, p. 2463-2476, ISSN: 0022-3077

3) 1994

BERTOLLINI L, BIELLA G., WANKE E, AVANZINI G, DE CURTIS M. (1994). Fluoride reversibly blocks HVA calcium current in mammalian thalamic neurones. NEUROREPORT, vol. 5, p. 2463-2476, ISSN: 0959-4965

2) 1993

PANZICA F., DE CURTIS M., G. BIELLA, AVANZINI G. (1993). Applicazione della metodica della "current source density analysis" nello studio della generazione di risposte evocate nelle strutture limbiche. RIVISTA DI NEUROBIOLOGIA, vol. 39, p. 299-302, ISSN: 0035-6336

1) 1992

WANKE E., BECCHETTI A., G. BIELLA, DEL BO R., FERRONI A (1992). A quantitative description of low- and high-threshold Ca²⁺ spikes in rat sensory neurons: a perforated-patch study.. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 4, p. 723-732, ISSN: 0953-816X, doi:10.1111/j.1460-9568.1992.tb00181.x