



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

UNIVERSITY OF MODENA
AND REGGIO EMILIA

Founded in 1175

DEPARTMENT OF
BIOMEDICAL, METABOLIC
AND NEURAL SCIENCES

*Section of Physiology and
Neuroscience*



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University of Modena and Reggio Emilia, Faculty of Medicine and Surgery

Curriculum Vitae

Date of Last Revision: 09/25/2026

A. IDENTIFICATION

Name	Giuseppe BIAGINI born in Sassuolo (MO), Italy, July 10 th , 1962
Office Address	Department of Biomedical, Metabolic and Neural Sciences Section of Physiology and Neurosciences 287 Campi Street MODENA, MO 41125 (ITALY) Telephone (+39059) 205-5747 Fax (+39059) 205-5363 E-mail giuseppe.biagini@unimore.it ; giuseppe_biagini@hotmail.com

B. EDUCATION

Graduate training

1988	Faculty of Medicine, University of Modena, Italy, MD.
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Research Training

1986 – 1988	Morphofunctional analysis of hippocampal changes after global cerebral ischemia in relation to anxiety - Supervisor: Dr L.F. Agnati
1989 – 1991	Stress response and sexual development in models of neonatal distress: role of the hippocampus - Supervisor: Dr E.M. Pich
1992 – 1995	Vascular brain damage in a genetic model of the hypertensive disease - Supervisor: Dr I. Zini

Clinical Training

1989 – 1991	Residency at the Endocrinology Clinic, University of Modena. Graduated with full marks
1991 – 1992	Rotating internship, University of Modena
1991 – 1994	General practice

Professional Certifications

1991	Endocrinologist (Modena, Italy)
1992	Certified General Practitioner (Modena, Italy)
2003	Qualified as Associate Professor of Physiology (SISSA, Trieste, Italy)
2014	Qualified as Full Professor of Physiology (ASN, Rome, Italy)

C. APPOINTMENTS

University

1990 – 1995	Research Assistant, Institute of Human Physiology, University of Modena
1996 – 2004	Assistant Professor, Department of Biomedical Sciences – Section of Physiology, University of Modena and Reggio Emilia
2005 – 2018	Associate Professor in the Department of Biomedical Sciences – Section of Physiology, University of Modena and Reggio Emilia
2018 – present	Full Professor in the Department of Biomedical, Metabolic and Neural Sciences – Section of Physiology and Neuroscience, University of Modena and Reggio Emilia

Sabbatical Leave

1997.12 – 2000.05	Montreal Neurological Institute, Faculty of Medicine, McGill University, Montreal, Quebec, Canada
2008.07 – 2008.10	Montreal Neurological Institute, Faculty of Medicine, McGill University, Montreal, Quebec, Canada

D. FELLOWSHIPS, SPECIAL HONORS, AWARDS, RECOGNITION

1989	Thesis Prize, Regional Agency for the University, Modena
1990	Fellowship, Hoechst Italia Sud Inc
1991	Azzolini Prize (University of Modena) for the research activity (including the MD Thesis)
1991	ISGBA Prize (Italian Study Group on Brain Aging), for the best scientific communication presented at the ISGBA annual meeting
1991	Fellowship, Italian Ministry of Public Health
1992	Fellowship, AIRIC (Italian Association for Research on Cerebral Ageing)

1994	Riccardo Luzzatto Prize (University of Modena), for the scientific research in the field of Biochemistry and Experimental Therapeutics
1995	Fellowship, Italian National Research Council (CNR)
1999	Fellowship, CNR-NATO
2008	Faculty of 1000-Medicine, Associate Faculty member in epilepsy
2008 – 2012	Jasper's Basic Mechanisms of the Epilepsies, Faculty member
2012 – 2014	Member of the Editorial Board of ISRN Stroke
2013	Member of the Editorial Board of PLoS One
2014	Member of the Editorial Board of Behavioural Neurology
2014	Member of the Editorial Board of International Scholarship Research Notices
2014	5th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures, Faculty member
2016	International Conference on Excitatory-Inhibitory Signaling Balance as Therapeutic Target in Epilepsy, Faculty member
2017	Member of the Editorial Board of the Open Journal of Neurology
2018	Member of the Editorial Board of Pharmaceuticals
2018 – 2021	Guest Editor for the International Journal of Molecular Sciences
2018	Member of the Advisory Board of Sci
2018	Member of the Reviewer Board of Cells
2018 – 2020	Guest Editor for Frontiers in Endocrinology
2019	Member of the Editorial Board of Animals
2019	Member of the Editorial Board of Epilepsy Research
2019 – 2022	Member of the Editorial Board of the Journal of Integrative Neuroscience
2021	Member of the Asian Council of Science Editors
2021	Member of the Editorial Board of the Journal of Molecular and Clinical Medicine
2022	Review Editor in the Editorial Board of Epilepsy (specialty section of Frontiers in Neurology)
2023	Member of the Editorial Board of Advanced Neurology
2023	Member of the Editorial Board of AIMS Molecular Sciences
2023	Member of the Editorial Board of Farabi Medical Journal
2025	Member of the Editorial Board of OBM Neurobiology
2025	Member of the Editorial Board of Neuroscience

E. TEACHING

1. Courses to Undergraduate and Graduate Students

1990 – 1995	Speaker at the Endocrinology Seminars Course in the Faculty of Medicine and Surgery of the University of Modena and Reggio Emilia
1996 – 2004	Course in Human Physiology and Nutrition, Department of Biomedical Sciences, Faculty of Medicine and Surgery, University of Modena and Reggio Emilia
2002 – 2022	PhD School in Clinical and Experimental Medicine (Director)
2005 – present	Coordinator, Physiology course, School of Dentistry, University of Modena and Reggio Emilia
2007 – present	Coordinator, Human Morphology and Physiology course, School of Dental Hygiene, University of Modena and Reggio Emilia
2008 – 2011	Professor, Physiology course, School of Biomedical Techniques, University of Modena and Reggio Emilia
2012 – 2016	Coordinator, Physiology course, School of Cardiovascular Techniques, University of Modena and Reggio Emilia
2012 – present	Professor, Physiology course, School of Dietetics, University of Modena and Reggio Emilia

2. Special Research Projects in the Department of Biomedical, Metabolic and Neural Sciences. University of Modena and Reggio Emilia

2003 – 2005	Ms E. Baldelli
2006 – 2008	Ms D. Longo
2007 – 2008	Dr C. Silvestri
2008 – 2011	Mr F. Gualtieri
2008 – 2011	Ms C. Marinelli
2010 – 2014	Dr G. Curia
2011 – 2018	Dr J. Vinet
2012 – 2015	Ms C. Lucchi
2013 – 2016	Ms C. Giordano
2013 – 2021	Ms M. Marchiò
2015 – 2019	Ms A.M. Costa
2017 – 2021	Dr I. Rosal Lustosa
2019 – 2023	Ms L. Senn
2020 – 2024	Mr M. Gol
2024 – 2028	Mr A.R.A. Olaimat
2025 – 2029	Ms A.A.N. Al-Rikabi

3. Graduate Advisory Committees and Thesis Defense

1993	Ms V. Pavarotti, Inst of Physiology, University of Modena (Supervisor Dr Isabella Zini)
1994	Mr F. Ruggeri, Inst of Physiology, University of Modena (Supervisor Dr Luigi F. Agnati)
2005	Ms L. Bonafini, School of Dentistry, University of Modena and Reggio Emilia (Supervisor Dr E. Ambu)
2006	Mr E. Violi, Dept of Internal Medicine, University of Modena and Reggio Emilia (Supervisor Dr P. Loria)
2007	Mr E. Pilato, Dept of Neurosciences, University of Modena and Reggio Emilia (Supervisor Dr S. Meletti)
2009	Mr F. Mosca, Dept of General Surgery and Surgical Specialties, University of Modena and Reggio Emilia (Supervisor Dr A. Barbieri)
2010	Ms C. Bonvecchio, Dept of General Surgery and Surgical Specialties, University of Modena and Reggio Emilia (Supervisor Dr A. Barbieri)
2012	Mr F. Canalini, Dept of Biomedical Sciences, University of Modena and Reggio Emilia (Supervisor Dr S. Guarini)
2012	Ms G. Madella, Dept of General Surgery and Surgical Specialties, University of Modena and Reggio Emilia (Supervisor Dr A. Barbieri)
2016	Ms. G. Nobile, Dept of Neurosciences, University of Modena and Reggio Emilia (Supervisor Dr S. Meletti)
2016	Ms. S. Rollo, Dept of Neurosciences, University of Modena and Reggio Emilia (Supervisor Dr S. Meletti)

4. Research Trainees Supervised

4.1. Summer and Special Students

2000 – 2002	Ms E. Baldelli (University of Modena and Reggio Emilia, Italy)
2004 – 2005	Ms D. Longo (University of Modena and Reggio Emilia)
2004 – 2005	Mr L. Pradelli (University of Modena and Reggio Emilia)
2005 – 2006	Ms L. Lidia (University of Modena and Reggio Emilia)

2005 – 2006 Ms C. Silvestri (University of Modena and Reggio Emilia)
 2008 – 2010 Mr R. Vezzali (University of Modena and Reggio Emilia)
 2009 – 2010 Ms M. Marchiò (University of Modena and Reggio Emilia)
 2009 – 2012 Ms R. Bartolomeo (University of Modena and Reggio Emilia)
 2010 – 2011 Ms S. Bartoletti (University of Modena and Reggio Emilia)
 2011 – 2012 Ms E. Cosseddu (University of Modena and Reggio Emilia)
 2012 – 2013 Mr E. Dallari (University of Modena and Reggio Emilia)
 2013 – 2014 Mr C. Aponte (University of Modena and Reggio Emilia)
 2013 – 2014 Ms C. Pezzuoli (University of Modena and Reggio Emilia)
 2014 – 2014 Ms J. Lavigne (Université Nice Sophia-Antipolis, France)
 2014 – 2015 Mr R. Giordano (University of Modena and Reggio Emilia)
 2014 – 2015 Mr D. Bordini (University of Modena and Reggio Emilia)
 2014 – 2015 Ms V. Masi (University of Modena and Reggio Emilia)
 2014 – 2016 Mr M. Borghi (University of Modena and Reggio Emilia)
 2015 – 2016 Mr P. Manzini (University of Modena and Reggio Emilia)
 2016 – 2016 Ms H. Doğan (Hatay Mustafa Kemal University, Turkey)
 2016 – 2017 Ms M. Piat (University of Modena and Reggio Emilia)
 2018 – 2019 Ms C. Simonini (University of Modena and Reggio Emilia)
 2019 – 2019 Ms B. Kuş (Hatay Mustafa Kemal University, Turkey)
 2019 – 2019 Ms A. Malkoç (Karadeniz Technical University, Turkey)
 2019 – 2020 Ms M. Traini (University of Modena and Reggio Emilia)
 2019 – 2020 Mr S. Messina (University of Modena and Reggio Emilia)
 2020 – 2021 Mr D. Ibatici (University of Modena and Reggio Emilia)
 2021 – 2022 Mr E. Schiatti (University of Modena and Reggio Emilia)
 2023 – 2023 Ms E. Şahin (Karadeniz Technical University, Turkey)
 2023 – 2026 Mr M. Marcucci (University of Modena and Reggio Emilia)
 2024 – 2024 Mr F. Burani (University of Modena and Reggio Emilia)
 2024 – 2024 Ms K.A.M. Saeed Aledresi (Karadeniz Technical University, Turkey)
 2024 – 2026 Ms A. Calabrò (University of Modena and Reggio Emilia)
 2026 – 2026 Ms N. El Hajji (Universities of Bordeaux & Sultan Moulay Slimane, Morocco)
 2026 – 2026 Ms W. Woźniak (Maria Curie-Skłodowska University, Lublin, Poland)
 2026 – 2026 Ms A. Matuła (Maria Curie-Skłodowska University, Lublin, Poland)

4.2. Graduate Students

2003 – 2005 Dr E. Baldelli (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical Sciences, University of Modena and Reggio Emilia. Graduated in March 2006
 2006 – 2008 Dr D. Longo (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical Sciences, University of Modena and Reggio Emilia. Graduated in February 2009
 2007 – 2008 Dr C. Silvestri (University of Modena and Reggio Emilia), enrolled as trainee student in the School of Specialization in Clinical Pathology, Dept of Biomedical Sciences, University of Modena and Reggio Emilia. Graduated in December 2008
 2009 – 2011 Dr F. Gualtieri (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical Sciences, University of Modena and Reggio Emilia. Graduated in March 2012
 2012 – 2014 Dr C. Lucchi (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. Graduated in February 2015
 2013 – 2015 Dr C. Giordano (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. Graduated in February 2016

2014 – 2017	Dr M. Marchiò (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. <u>Graduated in March 2018</u>
2015 – 2018	Dr A.M. Costa (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. <u>Graduated in March 2019</u>
2017 – 2020	Dr I. Rosal Lustosa (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. <u>Graduated in May 2021</u>
2019 – 2023	Dr L. Senn (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. <u>Graduated in April 2023</u>
2017 – 2020	Dr M. Gol (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. <u>Graduated in May 2024</u>
2019 – 2023	Dr C. Pezzuoli (University of Modena and Reggio Emilia), enrolled as PhD student, Dept of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia. <u>Graduated in January 2025</u>

4.3. Postdoctoral Fellows

2006 – 2007	Dr E. Baldelli, University of Modena and Reggio Emilia
2007 – 2008	Dr C. Silvestri, University of Modena and Reggio Emilia
2010 – 2014	Dr G. Curia, University of Washington
2011 – 2019	Dr J. Vinet, University of Groningen
2015 – 2026	Dr C. Lucchi, University of Modena and Reggio Emilia
2016 – 2016	Dr C. Giordano, University of Modena and Reggio Emilia
2017 – 2021	Dr M. Marchiò, University of Modena and Reggio Emilia
2019 – 2023	Dr A.M. Costa, University of Modena and Reggio Emilia
2024 – 2025	Dr. P. Jafarzadehbalagafsheh, University of Urmia

F. OTHER CONTRIBUTIONS

1. Referee for:
 - ACS Chemical Neuroscience
 - Acta Biomaterialia
 - Acta Neurologica Belgica
 - Acta Neurobiologiae Experimentalis
 - Acta Physiologica
 - Advances in Medical Sciences
 - Advanced Neurology
 - Advances in Neurology
 - Aims Molecular Science
 - Aims Neuroscience
 - Amino Acids
 - Animal Models and Experimental Medicine
 - Antioxidants
 - Applied Sciences
 - ASN Neuro
 - Behavioural Brain Research
 - Biochemical and Biophysical Research Communications
 - Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease
 - Biomed Research International
 - Biomedicines
 - BMC Cancer

BMC Complementary Medicine and Therapies
BMC Medicine
BMC Neuroscience
BMC Ophthalmology
Brain
Brain Communications
Brain Research
Brain Sciences
Brain Stimulation
Brain Structure and Function
Brazilian Journal of Medical and Biological Research
Canadian Journal of Physiology and Pharmacology
Cannabis and Cannabinoid Research
Case Reports in Nephrology
Cells
Cell Biochemistry and Biophysics
Cell Communication and Signaling
Cellular & Molecular Biology Letters
Cellular and Molecular Life Sciences
Cellular and Molecular Neurobiology
Cellular Physiology and Biochemistry
Central Nervous System Agents in Medicinal Chemistry
Clinical Epidemiology
Clinical Nutrition
Clinical Science
CNS Neuroscience & Therapeutics
Computers in Biology and Medicine
Critical Care
Croatian Medical Journal
Current Computer-Aided Drug Design
Current Pharmaceutical Design
Current Medical Research & Opinion
Current Medicinal Chemistry
Current Medical Science
Current Nanomedicine
Diagnostics
Drug Design, Development and Therapy
Drug Development Research
EC Neurology
Electronic Research Archive
Epigenomics
Epilepsia
Epilepsy Research
European Journal of Inflammation
European Journal of Medicinal Chemistry
European Journal of Neurology
European Journal of Neuroscience
European Journal of Nutrition
European Journal of Pediatrics
European Journal of Pharmacology
Evidence-Based Complementary and Alternative Medicine
Experimental and Molecular Pathology
Experimental Neurology
Expert Opinion On Drug Metabolism & Toxicology
Expert Opinion On Drug Safety
Expert Opinion on Investigational Drugs

Expert Opinion On Pharmacotherapy
Expert Opinion on Therapeutic Targets
Expert Review of Clinical Pharmacology
Expert Review of Neurotherapeutics
Expert Review of Pharmacoeconomics & Outcomes Research
Experimental and Therapeutic Medicine
Exploration of Neuroprotective Therapy
Food Frontiers
Frontiers in Behavioral Neuroscience
Frontiers in Cellular Neuroscience
Frontiers in Endocrinology
Frontiers in Microbiology
Frontiers in Molecular Biosciences
Frontiers in Molecular Neuroscience
Frontiers in Neurology
Frontiers in Nutrition
Frontiers in Oncology
Fundamental & Clinical Pharmacology
Glia
Global Journal of Obesity, Diabetes and Metabolic Syndrome
Heliyon
Hippocampus
Histology and Histopathology
Ibro Reports
IEEE Journal of Biomedical and Health Informatics
Immunology Endocrine & Metabolic Agents in Medicinal Chemistry
ImmunoTargets and Therapy
Indian Journal of Experimental Biology
Inflammation
International Archives of Translational Medicine
International Journal of Biological Sciences
International Journal of Developmental Neuroscience
International Journal of Diabetes and Clinical Research
International Journal of Environmental Research and Public Health
International Journal of General Medicine
International Journal of Immunopathology and Pharmacology
International Journal of Molecular Sciences
International Journal of Neuroscience
International Medical Case Reports Journal
Journal of Andrology
Journal of Biochemistry
Journal of Biological Chemistry
Journal of Clinical Medicine
Journal of Comparative Neurology
Journal of Chronic Diseases and Management
Journal of Drug Assessment
Journal of Experimental Pharmacology
Journal of Food Biochemistry
Journal of General Medicine
Journal of Inflammation Research
Journal of Integrative Neuroscience
Journal of Molecular and Clinical Medicine
Journal of Molecular Neuroscience
Journal of Multidisciplinary Healthcare
Journal of Nanobiotechnology
Journal of Neural Transmission

Journal of Neuroendocrinology
Journal of Neuroengineering and Rehabilitation
Journal of Neuroimmune Pharmacology
Journal of Neuroimmunology
Journal of Neuroinflammation
Journal of Neurological Sciences
Journal of Neurology, Neurological Science and Disorders
Journal of Neurology & Neuromedicine
Journal of Neurophysiology
Journal of Neuroscience
Journal of Neuroscience Methods
Journal of Neuroscience Research
Journal of Pain Research
Journal of Pediatric Epilepsy
Journal of Pediatric Genetics
Journal of Pediatric Neurology
Journal of Pediatrics and Pediatric Medicine
Journal of Pharmacology and Experimental Therapeutics
Journal of Steroid Biochemistry and Molecular Biology
Journal of Translational Medicine
Journal of Visualized Experiments
Life
Life Sciences
Marine Drugs
Medicinal Chemistry
Metabolic Brain Disease
Metabolites
Micromachines
Microorganisms
Mini-Reviews in Medicinal Chemistry
Molecular Medicine
Molecular Neurobiology
Molecular Psychiatry
Molecules
Nature Communications
Naunyn-Schmiedeberg's Archives of Pharmacology
Neural Plasticity
Neural Regeneration Research
Neurobiology of Disease
Neurochemical Research
Neurochemistry International
Neurogenetics
Neurological Disorders and Epilepsy Journal
Neurological Research
Neurological Sciences
Neurology India
Neurology International
Neuromolecular Medicine
Neuropharmacology
Neuropsychiatric Disease and Treatment
Neuropeptides
Neuroscience
Neuroscience Insights
Neurosciences Journal
Neuroscience & Biobehavioral Reviews
Neuroscience Letters

Neurotoxicity Research
 Nutrients
 Nutrition
 Nutrition Metabolism and Cardiovascular Diseases
 OBM Integrative and Complementary Medicine
 Oncotarget
 Open Life Sciences
 Organogenesis
 Oxidative Medicine and Cellular Longevity
 Peptides
 Pharmaceutics
 Pharmaceuticals
 Pharmacogenomics and Personalized Medicine
 Pharmacology, Biochemistry and Behavior
 Pharmacological Reports
 Pharmacological Research
 Pharmacological Reviews
 Pharmanutrition
 Physiologia
 Phytotherapy Research
 Planta Medica
 PLoS One
 Progress in Neuro-Psychopharmacology & Biological Psychiatry
 Psych
 Psychology Research and Behavior Management
 Psychopharmacology
 Recent Progress in Nutrition
 Reviews in the Neurosciences
 Risk Management and Healthcare Policy
 Sci
 Scientific Reports
 Seizure-European Journal of Epilepsy
 Signal Transduction and Targeted Therapy
 Stem Cells International
 The Open Neurology Journal
 Therapeutic Delivery
 Toxicology and Applied Pharmacology
 Transactions on Neural Systems & Rehabilitation Engineering
 Translational Neuroscience
 World Neurosurgery

2. Administrative Responsibilities and Committees

2003 – 2007	Member of the LICE (Italian League Against Epilepsy) study group “Basic Mechanisms of Epilepsy”
2008 – 2017	Member of the LICE Commission on Experimental Epileptology
2010 – 2016	Vice-Director of the Interdepartmental Center for Animal Research Facilities
2013 – 2014	Vice-Director of the PhD School in Clinical and Experimental Medicine
2014 – 2016	Director of the PhD School in Clinical and Experimental Medicine
2013 – present	Member of the Parity Committee of the University of Modena and Reggio Emilia, composed of faculty members and students
2014 – 2015	Member of the Ethics Committee of the University of Trento (Italy)
2014 – 2027	Member of the Animal Welfare Body of the University of Modena and Reggio Emilia
2014 – 2022	PhD Program in Clinical and Experimental Medicine, Coordinator

2015 – 2024	President of the Animal Welfare Body of the University of Trento
2016 – 2023	Vice-President of the Animal Welfare Body of the University of Modena and Reggio Emilia
2018 – 2022	Council of Graduate Programs, University of Modena and Reggio Emilia, Coordinator
2023 – 2027	President of the Animal Welfare Body of the University of Modena and Reggio Emilia and member of the Ethics Committee of Emilia-Romagna Region.

3. Professional and/or Learned Societies

Memberships:	European Neuroscience Association International League Against Epilepsy Italian Collegium of Full Professors in Physiology
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G. RESEARCH

1. Research Activities

1.1 Fields of Interest

- Cerebral ischemia and hippocampal damage
- Involvement of hypothalamic-pituitary-adrenal axis and the stress response in development and neurodegeneration
- Interactions of neuronal and glial cells in the ageing of central nervous system and neurodegeneration
- Cellular and molecular mechanisms of epileptogenesis in the limbic system
- Pathophysiology of absence attacks
- Drug development for epilepsy
- Parkinson's Disease

1.2 Collaborative Research

1995 – 1997	K. Fuxe, Dept of Cellular and Molecular Neuroscience, Karolinska Institute, Stockholm, Sweden
1998 – 2000	M. Marcinkiewicz, Institute of Clinical Researches of Montreal, Montreal, Quebec, Canada
1998 – 2000	P. Seguela, Montreal Neurological Institute, McGill University Montreal, Quebec, Canada
1999 – 2005	V. Tancredi, Dept of Neuroscience, University of Rome "Tor Vergata", Rome, Italy
1999 – 2023	M. Avoli, Montreal Neurological Institute, McGill University, Montreal, Quebec, Canada
2005 – 2008	P. Stawowy, German Heart Centre, Berlin, Germany
2006 – 2012	M. Rogawski, University of California at Davis, California, US
2006 – 2008	L. Sironi, Dept of Pharmacological Sciences, University of Milan, Milan, Italy
2006 – 2008	M. de Curtis, National Neurological Institute C. Besta, Milan, Italy
2007 – 2011	C. Frank, Italian National Institute of Health, Rome, Italy
2008 – 2023	A. Torsello, School of Medicine and Surgery, University of Milan-Bicocca
2011 – 2014	M. Mantegazza, Institut de Pharmacologie Moléculaire et Cellulaire, Sophia Antipolis, France
2012 – 2013	G. M. König, Institute for Pharmaceutical Biology, University of Bonn, Bonn, Germany

2012 – 2022	H. W. G. M. Boddeke, Department of Neuroscience, University of Groningen, Groningen, Netherlands
2013 – 2014	S. Dedeurwaerdere, Department of Translational Neurosciences, Faculty of Medicine and Health Sciences, University of Antwerp, Belgium
2013 – 2017	Jean Martinez, Institut des Biomolécules Max Mousseron, UMR 5247, CNRS, Universités Montpellier 1, Montpellier 2, Montpellier, France
2013 – 2018	S. Gigout, School of Biomedical Sciences, Faculty of Biological Sciences, University of Leeds, UK
2014 – 2020	N. Specchio, Division of Neurology, Department of Neuroscience, Bambino Gesù Children's Hospital IRCCS, Rome, Italy
2015 – 2018	L. Arckens, Division Animal Physiology and Neurobiology, Laboratory of Neuroplasticity and Neuroproteomics, KU Leuven, Belgium
2018 – 2021	N.V. Lukoyanov, Department of Anatomy, University of Porto, Porto, Portugal
2019 – 2025	G. Socorro de Barros Viana, Department of Physiology and Pharmacology, Federal University of Ceará, Fortaleza, Ceará, Brazil
2021 – 2026	M. Ghasemi-Kasman, Department of Physiology, School of Medicine, Babol University of Medical Sciences, Babol, Iran
2022 – 2024	P. Wlaź, Department of Animal Physiology and Pharmacology, Institute of Biological Sciences, Maria Curie-Skłodowska University, Lublin, Poland

2. Research Grants

1996	Start up grant from the University of Modena and Reggio Emilia.
1998	Italian National Research Council - Biological Sciences Committee 04, project on 'Investigations in the characteristics and functions between different structures of the limbic system during seizures and following seizure-induced neuronal damage' - A198.00087.04.
2003	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Enrica Baldelli to work in my laboratory.
2004	Italian Ministry of Education, University and Research - PRIN2003 Area 06 Medical Sciences - 'Epilepsy and pharmacoresistance: cellular, molecular and clinical aspects' (coordinated by Dr. Avoli, composed by the following Research Units: Avoli, Biagini, Magistretti, Marciani, Perucca, Tancredi).
2005	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Daniela Longo to work in my laboratory.
2006	Pierfranco and Luisa Mariani Foundation - 'Changes in the excitability of the parahippocampal cortex of young rodents and development of temporal lobe epilepsy' (R-06-50; coordinated by Dr. de Curtis, composed by the following Research Units: Avoli, Biagini, de Curtis, Sironi).
2007	Health Minister. "Italy-USA Program on Rare Diseases" – Agreement n. 7PR1/3: "A Novel Pharmacological Approach and Identification of Peripheral Cellular Biomarkers in Niemann-Pick Disease Patients" (coordinated by Dr. C. Frank, Research Units: G. Biagini, G. D'Arcangelo, C. Frank, D. Merlo, S. Ruffini).
2008	Regional Health Agency of Emilia-Romagna, PRIE-R 2008-2010, project "Drug resistant epilepsy: mechanisms, diagnosis and treatment" (coordinated by Dr. Paolo F. Nichelli, Research Units: G. Biagini, F. Ferrari, S. Meletti).
2008	Italian Ministry of Education, University and Research - PRIN2007 Area 05 Biological Sciences - 'Neurobiology of Fragile X Syndrome: mechanisms involved in neuronal hyperexcitability' (coordinated by Dr. Avoli, composed by the following Research Units: Avoli, Biagini, Azzena).
2009	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Mr. Fabio Gualtieri to work in my laboratory.

- 2010 Ministry of Instruction, University and Research, code 17DZE8RZEA, 2010-2014, "Neurophysiological, anatomical and molecular alterations of hippocampal and parahippocampal circuits in a mouse model of Fragile X syndrome".
- 2012 University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Ms. Chiara Lucchi to work in my laboratory.
- 2012 Multiple Sclerosis Italian Foundation, 2-year Fellowship assigned to Dr. Jonathan Vinet to work in my laboratory.
- 2012 Pierfranco and Luisa Mariani Foundation – "Novel treatment for a genetic drug-resistant epileptic encephalopathy of infancy: virus delivered RNA interference in an animal model of Dravet syndrome", assigned to Dr. G. Curia to develop the project in my laboratory, code R-12-94 (coordinated by Dr. Franceschetti, composed by the following Research Units: Franceschetti-Mantegazza, Curia-Biagini, Fassio-Benfenati).
- 2012 Ministry of Health, code RF-2010-2309921, 2012-2016, "Is des-acyl ghrelin the key mediator of ketogenic diet?" (coordinated by Dr. Biagini, composed by the following Research Units: G. Biagini, T. Trenti, A. Guerra, G. Gobbi, R. Michelucci).
- 2013 University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Ms. Carmela Giordano to work in my laboratory.
- 2014 European Commission, 7th Framework Programme for Research, call FP7-PEOPLE-2012-IEF, funding scheme MC-IEF (Marie Curie Intra-European Fellowships), proposal number 326651, proposal title "Microglia phenotype in temporal lobe epilepsy", assigned to Dr. J. Vinet to work in my laboratory (2014-2016).
- 2014 Ministry of Health, code RF-2011-02350485, 2014-2018, "Neurosteroids as determinants of antiepileptic drug refractoriness in temporal lobe epilepsy" (coordinated by Dr. Biagini, composed by the following Research Units: G. Biagini, T. Trenti, R. Michelucci).
- 2015 University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Ms. Anna Maria Costa to work in my laboratory.
- 2016 University of Modena and Reggio Emilia, University Grants for Research – year 2015 – Interdisciplinary Projects "Exploring Health Literacy. Communicative genres in liaising with caregivers: the case of the Ketogenic Diet" (coordinated by Prof. Marina Bondi, Research Units: G. Biagini, M. Bondi).
- 2017 Umberto Veronesi Foundation, 1-year Fellowship assigned to Dr. Jonathan Vinet to work in my laboratory.
- 2017 Nutricia, 1-year PostDoc Fellowship assigned to Dr. Maddalena Marchiò to work in my laboratory.
- 2017 University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Italo Rosal Lustosa to work in my laboratory.
- 2018 Annual personal grant for basic research activities 2017 reserved to top 25% associate professors, ANVUR-MIUR.
- 2018 University of Modena and Reggio Emilia, 2-year PostDoc Fellowship assigned to Dr. Chiara Lucchi to work in my laboratory.
- 2018 BPER Bank, 3-year grant for the project "Clinical and Experimental Medicine for Treatment of Epilepsy".
- 2018 University of Modena and Reggio Emilia, University Grants for Research – year 2018 – Interdisciplinary Projects "The neurosteroid metabolome in cerebrospinal fluid of patients with status epilepticus: evidence for reduced functioning of 3 β -hydroxysteroid dehydrogenase/ Δ^{5-4} isomerase" (coordinated by Prof. Giuseppe Biagini, Research Units: G. Biagini, C. Rustichelli).
- 2019 Pierfranco and Luisa Mariani Foundation – "Ghrelin as a biomarker of response to antiepileptic drugs" (coordinated by Dr. Biagini, composed by the following Research Units: G. Biagini, A. Guerra, F. Darra, C. Marini, N. Specchio, T. Trenti).
- 2019 Emilia-Romagna Region, "E-Health: Implementation of health care communication tools for ketogenic diets" (GPG/2019/605, P.I. G. Biagini).

2019	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Lara Senn to work in my laboratory.
2020	European Innovative Research & Technological Development Projects in Nanomedicine, ERA-NET EuroNanoMed III, 3-year project "Silk-fibroin interventional nano-trap for the treatment of glioblastoma" (EURONANOMED2019-75/GLIOSILK, coordinated by Emmanuel Garcion, Research Units: E. Garcion, Carmen Alvarez-Lorenzo, François Berger, Franco Valzania, Miguel Abal). Role: participant to Dr. Valzania unit.
2021	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Mohammad Gol to work in my laboratory.
2022	University of Modena and Reggio Emilia, University Grants for Research – year 2021 – Mission Oriented Projects "Nano-Immuno Targeting for the Treatment of Glioblastoma Multiforme" (coordinated by Prof. Massimo Dominici, Research Units: G. Biagini, M.A. Vandelli, G. Pavesi).
2023	Ministry of Health, code RF-2021-12373036, 2023-2026, "Neurosteroids against Neuroinflammation: a way to fight Neurodegeneration in Amyotrophic Lateral Sclerosis? (NeurALStop)" (coordinated by Dr. J. Mandrioli, composed by the following Research Units: J. Mandrioli, Amedeo Amedei, G. Biagini).
2024	Italian Ministry of University and Research - PRIN2022 Area 05 Biological Sciences – 'Neurosteroids as Determinants of Seizure Susceptibility to Stress' (coordinated by Dr. Biagini, composed by the following Research Units: Biagini, Cifelli, Torsello).
2024	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Ali Rashed Ali Olaimat to work in my laboratory.
2025	University of Modena and Reggio Emilia, 3-year PhD Fellowship assigned to Dr. Amani Abdulameer Naser Al-Rikabi to work in my laboratory.

5. Publications (See Appendix G-5)

Appendix G-5

PUBLICATIONS

A. Articles in refereed journals

A1. Pich E.M., Solfrini V., Biagini G., Fuxe K., Agnati L.F.
Effects of indole-pyruvic acid on sleep and food intake in the rat.
Acta Physiol. Scand., 139: 583-589, 1990.

A2. Zoli M., Agnati L.F., Fuxe K., Ferraguti F., Biagini G., Cintra A., Gustafsson J.-A.
Long-lasting reduction of glucocorticoid receptor immunoreactivity in the hippocampal field CA1 but not in the dentate gyrus after neonatal treatment with corticosterone in the rat.
Acta Physiol. Scand., 138: 577-579, 1990.

A3. Grimaldi R., Zini I., Biagini G., Toffano G., Agnati L.F.
Effects of centrally administered clonidine and neuropeptide Y on arterial blood pressure in the rat after transient forebrain ischemia.
J. Auton. Nerv. Syst., 30: S67-S70, 1990.

A4. Zini I., Zoli M., Grimaldi R., Pich E.M., Biagini G., Fuxe K., Agnati L.F.
Evidence for a role of neosynthesized putrescine in the increase of glial fibrillary acid protein immunoreactivity induced by a mechanical lesion in the rat brain.
Neurosci. Lett., 120: 13-16, 1990.

A5. Agnati L.F., Zoli M., Kurosawa M., Benfenati F., Biagini G., Zini I., Hallström A., Ungerstedt U., Toffano G., Fuxe K.

A new model of focal brain ischemia based on the intracerebral injection of endothelin-I.
It. J. Neurol. Sci., Suppl. 2: 49-53, 1991.

A6. Agnati L.F., Tiengo M., Ferraguti F., Biagini G., Benfenati F., Benedetti C., Rigoli M., Fuxe K.
Pain, analgesia, and stress: an integrated view.

Clin. J. Pain, 7 Suppl. 1: S23-S37, 1991.

A7. Zoli M., Ferraguti F., Biagini G., Cintra A., Fuxe K., Agnati L.F.

Corticosterone treatment counteracts lesions induced by neonatal treatment with monosodium glutamate in the mediobasal hypothalamus of the male rat.

Neurosci. Lett., 132: 225-228, 1991.

A8. Pich E.M., Grimaldi R., Zoli M., Biagini G., Solfrini V., Toffano G., Fuxe K., Agnati L.F.

Siagoside selectively attenuates morphological and functional striatal impairments induced by transient forebrain ischemia in rats.

Stroke, 23: 234-241, 1992.

A9. Cocilovo L., de Gennaro Colonna V., Zoli M., Biagini G., Settembrini B.P., Müller E.E., Cocchi D.

Central mechanisms subserving the impaired growth hormone secretion induced by persistent blockade of NMDA receptors in immature male rats.

Neuroendocrinology, 55: 416-421, 1992.

A10. Pich E.M., Messori B., Zoli M., Ferraguti F., Marrama P., Biagini G., Fuxe K., Agnati L.F.

Feeding and drinking responses to neuropeptide Y injections in the paraventricular hypothalamic nucleus of aged rats.

Brain Res., 575: 265-271, 1992.

A11. Agnati L.F., Zoli M., Biagini G., Fuxe K.

Neuronal plasticity and ageing processes in the frame of the 'Red Queen Theory'.

Acta Physiol. Scand., 145: 301-309, 1992.

A12. Agnati L.F., Benfenati F., Solfrini V., Biagini G., Fuxe K., Guidolin D., Carani C., Zini I.

Brain aging and neuronal plasticity.

Ann. N.Y. Acad. Sci., 673: 180-186, 1992.

A13. Zoli M., Zini I., Grimaldi R., Biagini G., Agnati L.F.

Effects of polyamine synthesis blockade on neuronal loss and astroglial reaction after transient forebrain ischemia.

Int. J. Dev. Neurosci., 11: 175-187, 1993.

A14. Zoli M., Pich E.M., Ferraguti F., Biagini G., Fuxe K., Agnati L.F.

Indole-pyruvic acid treatment reduces damage in striatum but not in hippocampus after transient forebrain ischemia in the rat.

Neurochem. Int., 23: 139-148, 1993.

A15. Biagini G., Zoli M., Fuxe K., Agnati L.F.

L-deprenyl increases GFAP immunoreactivity selectively in activated astrocytes in rat brain.

Neuroreport, 4: 955-958, 1993.

A16. Biagini G., Pich E.M., Carani C., Marrama P., Gustafsson J.A., Fuxe K., Agnati L.F.

Indole-pyruvic acid, a tryptophan ketoanalogue, antagonizes the endocrine but not the behavioral effects of repeated stress in a model of depression.

Biol. Psychiatry, 33: 712-719, 1993.

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The concept of astrocyte-kinetic drug in the treatment of neurodegenerative diseases: evidence for L-deprenyl-induced activation of reactive astrocytes.
Neurochem. Int., 25: 17-22, 1994.
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Different classes of volume transmission signals exist in the central nervous system and are affected by metabolic signals, temperature gradients and pressure waves.
Neuroreport, 6: 9-12, 1994.
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Possible mechanisms for the powerful actions of neuropeptides.
Ann. N.Y. Acad. Sci., 739: 42-59, 1994.
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Age-related alterations in tanycytes of the mediobasal hypothalamus of the male rat.
Neurobiol. Aging, 16: 77-83, 1995.
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Temporal changes in sulphated glycoprotein-2 (clusterin) and ornithine decarboxylase mRNA levels in the rat testis after ethane-dimethane sulphonate-induced degeneration of Leydig cells.
Int. J. Andrology, 18: 46-54, 1995.
- A22. Viani P., Zini I., Cervato G., Biagini G., Agnati L.F., Cestaro B.
Effects of endothelin-1 induced ischemia on peroxidative damage and membrane properties in rat striatal synaptosomes.
Neurochem. Res., 20: 619-625, 1995.
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Diethyldithiocarbamate, a superoxide dismutase inhibitor, counteracts the maturation of ischemic-like lesions caused by endothelin-1 intrastriatal injection.
Neurosci. Lett., 190: 212-216, 1995.
- A24. Biagini G., Pich E.M., Frasoldati A., Agnati L.F., Marrama P.
Changes in glucocorticoid receptor immunoreactivity after adrenalectomy and corticosterone treatment in the rat testis.
J. Endocrinol. Inv., 18: 384-390, 1995.
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Ex vivo demonstration of NO in the rat brain: effects of intrastriatal endothelin-1 injection.
Neurosci. Lett., 196: 140-144, 1995.
- A26. Fuxe K., Tinner B., Zoli M., Pettersson R.F., Baird A., Biagini G., Chadi G., Agnati L.F.
Computer-assisted mapping of basic fibroblast growth factor immunoreactive nerve cell populations in the rat brain.
J. Chem. Neuroanat., 11: 13-35, 1996.
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Protective effects of delapril, indapamide and their combination chronically administered to stroke-prone spontaneously hypertensive rats fed a high-sodium diet.
Clin. Sci., 93: 401-411, 1997.
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Neuron-glia cross talk in rat striatum after transient forebrain ischemia.

Adv. Exp. Med. Biol., 429: 55-68, 1997.

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Postnatal maternal separation during the stress hyporesponsive period enhances the adrenocortical response to novelty in adult rats by affecting feedback regulation in the CA1 hippocampal field.
Int. J. Dev. Neurosci., 16: 187-197, 1998.

A30. Marzatico F., Bertorelli L., Pansarasa O., Guallini P., Torri C., Biagini G.
Brain oxidative damage following acute immobilization and mild emotional stress.
Int. J. Stress Manage., 5: 223-236, 1998.

A31. Razzetti R., Bongrani S., Oberto G., Ferrari R., Biagini G.
Protective effects of delapril, indapamide and their combination on stroke occurrence and lifespan in salt-loaded stroke-prone spontaneously hypertensive rats.
Arzneim.-Forsch. (Drug Res.), 48: 1083-1087, 1998.

A32. Boschi S., Vantaggiato G., Torri C., Zini I., Agnati L.F., Zoli M., Biagini G.
Protective effects of delapril combined with indapamide or hydrochlorothiazide in spontaneously hypertensive stroke-prone rats: a comparative dose-response analysis.
J. Cardiovasc. Pharmacol., 36: 321-328, 2000.

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Spindle-like thalamocortical synchronization in a rat brain slice preparation.
J. Neurophysiol., 84: 1093-1097, 2000.

A34. Babinski K., Catarsi S., Biagini G., Séguéla P.
Mammalian ASIC2a and ASIC3 subunits co-assemble into heteromeric proton-gated channels sensitive to Gd³⁺.
J. Biol. Chem., 275: 28519-28525, 2000.

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Regional and subunit-specific downregulation of acid-sensing ion channels in the pilocarpine model of epilepsy.
Neurobiol. Dis., 8: 45-58, 2001.

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Brain-derived neurotrophic factor superinduction parallels antiepileptic-neuroprotective treatment in the pilocarpine epilepsy model.
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Electrophysiology and morphology of regular firing cells in the rat perirhinal cortex.
Hippocampus, 11: 662-672, 2001.

A38. Biagini G., D'Antuono M., Tancredi V., Motalli R., Louvel J., D'Arcangelo G., Pumain R., Warren R., Avoli M.
Thalamocortical connectivity in a rat brain slice preparation: participation of the ventrobasal complex to synchronous activities.
Thalamus Relat. Syst., 1: 169-179, 2001.

A39. D'Antuono M., Benini R., Biagini G., D'Arcangelo G., Barbarosie M., Tancredi V., Avoli M.
Limbic network interactions leading to hyperexcitability in a model of temporal lobe epilepsy.
J. Neurophysiol., 87: 634-639, 2002.

A40. Zanardi A., Leo G., Biagini G., Zoli M.

Nicotine and neurodegeneration in ageing.
Toxicol. Lett., 127: 207-215, 2002.

A41. Biagini G., Pich E.M.
Corticosterone administration, but not maternal separation, affects sexual maturation and glucocorticoid receptor immunoreactivity in the rat testis.
Pharmacol. Biochem. Behav., 73: 95-103, 2002.

A42. Baccarani Contri M., Taparelli F., Pedrazzi G., Miselli M., Bacchelli B., Biagini G.
Dose-dependent prevention of fibrosis by combined delapril and indapamide treatment in the aorta of salt-loaded stroke-prone spontaneously hypertensive rats.
J. Cardiovasc. Pharmacol., 40: 388-398, 2002.

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Network and pharmacological mechanisms leading to epileptiform synchronization in the limbic system.
Prog. Neurobiol., 68: 167-207, 2002.

A44. D'Arcangelo G., D'Antuono M., Biagini G., Warren R., Tancredi V., Avoli M.
Thalamocortical oscillations in a genetic model of absence seizures.
Eur. J. Neurosci., 16: 2382-2393, 2002.

A45. Baccarani Contri M., Taparelli F., Miselli M., Bacchelli B., Biagini G.
Histomorphometric, biochemical and ultrastructural changes in the aorta of salt-loaded stroke-prone spontaneously hypertensive rats fed a Japanese style diet.
Nutr. Metab. Cardiovasc. Dis., 13: 37-45, 2003.

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Protein kinase C epsilon mediates angiotensin II-induced activation of α_1 -integrins in cardiac fibroblasts.
Cardiovasc. Res., 67: 50-59, 2005.

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Impaired activation of CA3 pyramidal neurons in the epileptic hippocampus.
Neuromol. Med., 7: 325-342, 2005.

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Intrinsic and synaptic excitability of deep layer neocortical cells in a genetic model of absence seizures.
Genes Brain Behav., 5: 73-84, 2006.

A49. Inaba Y., Biagini G., Avoli M.
The H current blocker ZD7288 decreases epileptiform hyperexcitability in the rat neocortex by depressing synaptic transmission.
Neuropharmacology, 51: 681-691, 2006.

A50. De Guzman P., Inaba Y., Biagini G., Baldelli E., Mollinari C., Merlo D., Avoli M.
Subiculum network excitability is increased in a rodent model of temporal lobe epilepsy.
Hippocampus, 16: 843-860, 2006.

A51. Biagini G., Baldelli E., Longo D., Pradelli L., Zini I., Rogawski M.A., Avoli M.
Endogenous neurosteroids modulate epileptogenesis in a model of temporal lobe epilepsy.
Exp. Neurol., 201: 519-524, 2006.

- A52. Avoli M., Biagini G., de Curtis M.
Does interictal activity sustain seizures and epileptogenesis?
Epilepsy Curr., 6: 203-207, 2006.
- A53. D'Antuono M., Kawasaki H., Palmieri C., Curia G., Biagini G., Avoli M.
Antiepileptic drugs and muscarinic receptor-dependent excitation in the rat subiculum.
Neuropharmacology, 52: 1291-1302, 2007.
- A54. De Guzman P., Inaba Y., Baldelli E., de Curtis M., Biagini G., Avoli M.
Network hyperexcitability within the deep layers of pilocarpine-treated rat entorhinal cortex.
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The pilocarpine model of temporal lobe epilepsy
J. Neurosci. Meth., 172: 143-157, 2008.
- A56. Biagini G., Baldelli E., Longo D., Baccarani Contrì M., Guerrini U., Sironi L., Gelosa P., Zini I., Ragsdale D., Avoli M.
Proepileptic influence of a focal vascular lesion affecting entorhinal cortex-CA3 connections after status epilepticus.
J. Neuropathol. Exp. Neurol., 67: 143-157, 2008.
- A57. Biagini G., Longo D., Baldelli E., Zoli M., Rogawski M.A., Bertazzoni G., Avoli M.,
Neurosteroids and epileptogenesis in the pilocarpine model: evidence for a relationship between P450scc induction and length of the latent period.
Epilepsia, 50 (Suppl. 1), 53-58, 2009.
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Dysfunctional presynaptic GABAB receptors in the neocortex of a genetic model of absence epilepsy.
Neurosignals, 17, 121-131, 2009.
- A59. Curia G., Biagini G., Perucca E., Avoli M.
Lacosamide: a new approach to target voltage-gated sodium currents in epileptic disorders.
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Antiepileptic drugs abolish ictal but not interictal epileptiform discharges in vitro.
Epilepsia, 51: 423-431, 2010.
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Neurosteroids and epilepsy.
Curr. Op. Neurol., 23: 170-176, 2010.
- A62. Mantegazza M., Curia G., Biagini G., Ragsdale D., Avoli M.
Voltage-gated sodium channels as therapeutic targets in epilepsy and other neurological disorders.
Lancet Neurol., 9: 413-424, 2010.
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Selective changes in inhibition as determinants for limited increased excitability in the insular cortex of pilocarpine-treated epileptic rats.
Eur. J. Neurosci., 31: 2014-2023, 2010.
- A64. Panuccio G., D'Antuono M., de Guzman P., Delannoy L., Biagini G., Avoli M.
In vitro ictogenesis and parahippocampal networks in a rodent model of temporal lobe epilepsy.
Neurobiol. Dis., 39: 372-380, 2010.

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Homocysteine potentiates seizures and cell loss induced by pilocarpine treatment.
Neuromol. Med., 12: 248-259, 2010.
- A66. Bortel A., Lévesque M., Biagini G., Gotman J., Avoli M.
Convulsive status epilepticus duration as determinant for epileptogenesis and interictal discharge generation in the rat limbic system.
Neurobiol. Dis., 40: 478-489, 2010.
- A67. Biagini G., Avoli M.
Glia-neuron interactions: neurosteroids.
Epilepsia, 51 (Suppl. 5): 56–56, 2010.
- A68. Benini R., Longo D., Biagini G., Avoli M.
Perirhinal cortex hyperexcitability in pilocarpine-treated rats.
Hippocampus, 21: 702-713, 2011.
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Eur. J. Pharmacol., 670: 130-136, 2011.
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Ghrelin anticonvulsive properties: is it matter of desacylation?
Epilepsia, 53: 1277–1278, 2012.
- A71. Gualtieri F., Curia G., Marinelli C., Biagini G.
Increased perivascular laminin predicts damage to astrocytes in CA3 and piriform cortex following chemoconvulsive treatments.
Neuroscience, 218: 278-294, 2012.
- A72. Gualtieri F., Marinelli C., Longo D., Pugnaghi M., Nichelli P.F., Meletti S., Biagini G.
Hypoxia markers are expressed in interneurons exposed to recurrent seizures.
Neuromol. Med., 15: 133-146, 2013.
- A73. Pugnaghi M., Monti G., Biagini G., Meletti S.
Temporal lobe epilepsy exacerbation during pharmacological inhibition of endogenous neurosteroid synthesis.
BMJ Case Rep., pii: bcr2012008204, 2013. DOI:10.1136/bcr-2012-008204
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Resilience to audiogenic seizures is associated with p-ERK1/2 dephosphorylation in the subiculum of Fmr1 knockout mice.
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Protective but not anticonvulsant effects of ghrelin and JMV-1843 in the pilocarpine model of status epilepticus.
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Perirhinal cortex and temporal lobe epilepsy.
Front. Cell. Neurosci., 7: 130, 2013. DOI: 10.3389/fncel.2013.00130
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Neurosteroids and epileptogenesis.

J. Neuroendocrinol., 25: 980-990, 2013. DOI: 10.1111/jne.12063

A78. Curia G., Lucchi C., Vinet J., Gualtieri F., Marinelli C., Torsello A., Costantino L., Biagini G.
Pathophysiology of mesial temporal lobe epilepsy: is prevention of damage antiepileptogenic?
Curr. Med. Chem., 21: 663-688, 2014. DOI: 10.2174/0929867320666131119152201

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Neuropeptides as putative mediators of ketogenic antiepileptic diets.
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A80. Vainshtein I., Vinet J., Brouwer N., Brendecke S., Biagini G., Biber K., Boddeke H. W. G. M.,
Eggen B. J. L.
In acute experimental autoimmune encephalomyelitis, invading macrophages are immune
activated, whereas microglia remain immune suppressed.
Glia, 62: 1724-1735, 2014. DOI: 10.1002/glia.22711

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Pflugers Archiv. (Eur. J. Physiol.), 467: 805-816, 2015. DOI: 10.1007/s00424-014-1545-8

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Blockade of in vitro ictogenesis by low frequency stimulation coincides with increased epileptiform
response latency.
J. Neurophysiol., 114: 21-28, 2015. DOI: 10.1152/jn.00248.2015

A83. Lucchi C., Vinet J., Meletti S., Biagini G.
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epilepticus.
Epilepsy Behav., 49: 47-54, 2015. DOI: 10.1016/j.yebeh.2015.04.003

A84. Giordano C., Vinet J., Curia G., Biagini G.
Repeated 6-Hz corneal stimulation progressively increases FosB/ Δ FosB levels in the lateral
amygdala and induces seizure generalization to the hippocampus.
PLoS One 10 (11): e0141221, 2015. DOI: 10.1371/journal.pone.0141221

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Microglia are less pro-inflammatory than myeloid infiltrates in the hippocampus of mice exposed to
status epilepticus.
Glia, 64: 1350-1362, 2016. DOI: 10.1002/glia.23008

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Biagini G.
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marked increase in hippocampal p-ERK1/2 immunoreactivity in neurons.
Front. Cell. Neurosci., 10: 281, 2016. DOI: 10.3389/fncel.2016.00281

A87. Lippi G., Fernandes C.C., Ewell L.A., John D., Romoli B., Curia G., Taylor S.R., Frady E.P.,
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G.W., Berg D.K.
MicroRNA-101 regulates multiple developmental programs to constrain excitation in adult neural
networks.
Neuron, 92: 1337-1351, 2016. DOI: 10.1016/j.neuron.2016.11.017

A88. Meletti S., Lucchi C., Monti G., Giovannini G., Bedin R., Trenti T., Rustichelli C., Biagini G.
Decreased allopregnanolone levels in cerebrospinal fluid obtained during status epilepticus.

Epilepsia, 58: e16-e20, 2017. DOI: 10.1111/epi.13625

A89. Molteni L., Rizzi L., Bresciani E., Possenti R., Petrocchi Passeri P., Ghè C., Muccioli G., Fehrentz J.-A., Verdié P., Martinez J., Omeljaniuk R.J., Biagini G., Binda A., Rivolta I., Locatelli V., Torsello A.

Pharmacological and biochemical characterization of TLQP-21 activation of a binding site on CHO cells.

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A90. Trivisano M., Lucchi C., Rustichelli C., Terracciano A., Cusmai R., Ubertini G.M., Giannone G., Bertini E., Vigeveno F., Gecz J., Biagini G., Specchio N.

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