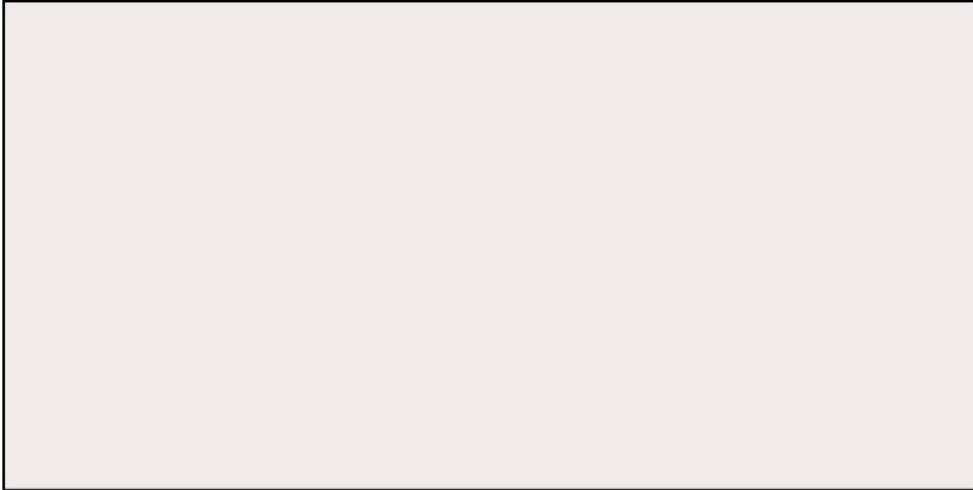


**Yuri Bozzi - CURRICULUM VITAE****ACADEMIC AND PROFESSIONAL RECORD**

- 1986-1991: MSc student in Biology ("Corso di Laurea in Scienze Biologiche"), University of Pisa, Italy.
- October 17, 1991: MSc Degree ("Laurea in Scienze Biologiche"), University of Pisa, Italy (score: 110/110 cum laude).
- 1992-95: Ph.D. student in Neurobiology. Scuola Normale Superiore, Pisa, Italy.
- 1993-94: Visiting fellow as conscientious objector (civil service in place of military service). Consorzio Mario Negri Sud, Chieti, Italy.
- November 1995: national examination ("Esame di Stato") for the habilitation to the profession of biologist, University of Pisa, Italy (score: 118/150).
- March 25, 1996: Ph.D. degree in Neurobiology ("Diploma di Perfezionamento in Neurobiologia), Scuola Normale Superiore di Pisa (score: 70/70 cum laude).
- 1996-99: Post-doctoral fellow. IGBMC, Strasbourg, France.
- 1999-2000: Post-doctoral fellow, Scuola Normale Superiore, Pisa, Italy.
- 2000-01: Post-doctoral fellow, Telethon Foundation, CNR Institute of Neuroscience, Pisa, Italy.
- 2001-17: Research Scientist ("ricercatore III livello", permanent position), CNR Institute of Neuroscience, Pisa, Italy.
- 2002-08: On-contract Professor, University of Pisa, Italy.
- 2009-17: Principal Investigator. Laboratory of Molecular Neuropathology, Centre for Integrative Biology (CIBIO), University of Trento, Italy.
- 2010-17: On-contract Professor, CIBIO, University of Trento, Italy.
- Since February 1, 2017: Full Professor in Physiology, Center for Mind/Brain Sciences, University of Trento, Italy.

**ACADEMIC APPOINTMENTS**

- March 1, 2017 – March 12, 2019. CIMEC delegate for the quality control of teaching and research.
- September 25, 2017 – April 10, 2019. Member of the Recruitment Committee, University of Trento.
- Since October 7, 2018: candidate member of the National Scientific Habilitation (ASN) Committee, sector 05/D1 Physiology.
- March-September 2019: Coordinator of the Doctorate Program in Cognitive and Brain Sciences, CIMEC, University of Trento, Italy.
- Since September 2019: President of the Recruitment Committee, University of Trento.

**RESEARCH EXPERIENCE**

- 1990-1991: MSc student student internship, Laboratory of Cellular and Developmental Biology, University of Pisa, Italy. Gene expression studies of Nerve Growth Factor (NGF) and its receptors in the developing rat visual system. Supervisor: Prof. Giuseppina Barsacchi.

- 1992-1995: Ph.D. student, Laboratory of Neurobiology, Scuola Normale Superiore, Pisa Italy. Studies on the activity-dependent expression of neurotrophic factors in the developing and adult rat visual system. Supervisor: Prof. Lamberto Maffei.
- 1993-1994: Visiting fellow as conscientious objector, Molecular Neurobiology Laboratory, Consorzio Mario Negri Sud, Chieti, Italy. Biochemical studies on the regulation of intracellular protein transport. Supervisor: Dr. Alberto Luini.
- 1996-1999: Post-doctoral fellow, IGBMC, Strasbourg, France. Molecular, anatomical and physiopathological studies on dopamine D2 receptor (D2R) knockout mice. My studies contributed to investigate the role of D2R signaling in the proliferation of prolactin-producing cells in the pituitary gland and the role of D2R signaling in seizure susceptibility and seizure-induced hippocampal cell death.
- 1999-2001: post-doctoral fellow, Scuola Normale Superiore and CNR Institute of Neuroscience, Pisa, Italy. Studies on the molecular mechanisms of BDNF-mediated neuroprotection in a rat model of visual system lesion. Supervisor: Prof. Lamberto Maffei.
- 2001-2009: research scientist at the CNR Institute of Neuroscience, Pisa, Italy. During these years I started my independent research group, studying molecular mechanisms of neuronal death and survival, antiepileptic effect of botulinum neurotoxin and molecular basis of epilepsy.
- 2009-2017: principal investigator at the Molecular Neuropathology Laboratory, Centre for Integrative Biology (CIBIO), University of Trento, Italy. Studies on animal models of epilepsy and autism spectrum disorders.
- 2013-2017: Coordinator of the "Neurobiology and Development" Research Program, CIBIO, University of Trento, Italy.
- 2017-present: principal investigator at the Center for Mind/Brain Sciences (CIMEC), University of Trento, Italy. Studies on animal models of epilepsy and autism spectrum disorders.

#### FELLOWSHIPS, HONORS, AWARDS

- 1993: Fellowship to participate to the XI Congress ABCD, Milano, Italy.
- 1995: Fellowship to participate to the Gordon Research Conference "Neurotrophins" (South Plymouth, NH, USA).
- 1996-1999: "post-doctoral" fellowships at IGBMC, Strasbourg, France (Fondation pour la Recherche Medicale, Fondation Fyssen, Ligue Nationale contre le Cancer)
- 1996: Prize for the best oral communication at the V Italian Congress "Young Researchers in Neuroscience" (Pisa, Italy).
- 1999-2000: "post-doctoral" fellowship in Neurobiology (Scuola Normale Superiore, Pisa, Italy).
- 2000-2001: Fellowship from Fondazione Telethon (Grant 461/bi " In vivo and in vitro models to study the genetic program of neuronal death and survival").

#### GRANTS AWARDED

- 2000-2002: Research grant 461/bi, Telethon Foundation (Italy). Principal investigator. Title of the project: "In vivo and in vitro models to study the genetic program of neuronal death and survival". Budget: 55,000 €.
- 2004-2005: Research grant R-04-38, Pierfranco and Luisa Mariani Foundation (Italy). Principal investigator. Title of the project: "Antiepileptic and neuroprotective effects of intracerebral delivery of Botulinum Toxin E in an animal model of temporal lobe epilepsy". Budget: 50,000 €.
- 2005-2006: Research grant GGP04086, Telethon Foundation (Italy). Co-principal investigator (PI Dr. Matteo Caleo). Title of the project: "Antiepileptic effects of botulinum toxins in rodent models of temporal lobe epilepsy". Budget: 110,000 €.
- 2007-2008: Research grant, Parents Against Childhood Epilepsy (PACE, USA). Principal investigator. Title of the project: "Suppression of a seizure focus by infusion of botulinum neurotoxin in mouse models of temporal lobe epilepsy". Budget: \$50,000.
- 2007: IBRO funding to organize the Fourth Conference on Epileptogenesis (Pisa, Italy, May 23-26, 2007). Budget: 5,000 €.
- 2008-2009: Research grant, National Research Council (CNR, Italy) – "Ricerche Spontanee a Tema Libero" (RSTL). Principal investigator. Title of the project: "Identification of novel genes involved in epileptogenesis through DNA microarrays technology". Budget: 35,000 €.
- 2010-2016: Start-up grant for the Molecular Neuropathology Lab management, Centre for Integrative Biology (CIBIO), Univ. of Trento. Budget: from 10,000 to 30,000 € per year.

- 2010-2012: Research grant, Italian Ministry of Health, "Ricerca Finalizzata" Program. PI. Title of the project: "Role of inflammation in the genesis of late-onset epilepsies: gene expression studies in animal models and mutation analysis in epileptic patients". Budget: 270,000 €.
- 2010-2012: Research grant, Italian Ministry of Education and Research (PRIN 2008 Program). PI. Title of the project: "Neuroanatomical and behavioural characterization of Engrailed-2 knockout mice, a model for autism spectrum disorders". Budget: 36,000 €.
- 2010-2013: Research grant, Provincia Autonoma di Trento / EC Marie Curie cofund action. Co-principal investigator (PI: Dr. Paola Sgadò). Title of the project: "Neurobiological basis of autism spectrum disorders: development of cortical inhibitory systems in Engrailed-2 mutant mice" (EnCort project). Budget: 150,000 €.
- 2013-2015: Research grant, Italian Ministry of Education and Research (PRIN 2010 Program). PI. Title of the project: "Role of BDNF in inhibitory system development in Engrailed-2 mutant mice". Budget: 90,000 €.
- 2013-2015: Telethon 2012. "Modelling etiopathogenesis of the Foxg1-linked variant of West syndrome". PI of participating Unit. Coordinator: Prof. Antonello Mallamaci, SISSA, Trieste, Italy. Budget: 35,000 €.
- 2016-2017: EU project 706567 – TransSplicHD "Single-Cell Transcriptomics and Spliceosome analysis to uncover new mechanisms of neuronal vulnerability to Huntington's Disease". (Principal Investigator: Marta Biagioli; Centre for Integrative Biology, University of Trento). Role in the project: supervisor/collaborator. Budget: 180,277 €.
- 2018-2023: TRAIN – Trentino Autism Initiative. University of Trento Strategic Project Research Grant. Project coordinator. Budget: 240,000 €.
- 2018-2022: BACKUP - Unveiling the relationship between brain connectivity and function by integrated photonics. ERC Advanced Grant, PI Prof. Lorenzo Pavesi (Department of Physics, University of Trento). Role in the project: collaborator. Budget: 2.500.000 €.
- 2019: INFRAFRONTIER2020 precision mammalian model development. Coordinator of a project for the development of a new genetic mouse model of autism.
- 2021-2023 Research grant, Fondazione CARITRO. Trento. Title of the project: "Molecular and behavioural consequences of early postnatal stress in a genetic mouse model of autism spectrum disorder". Role in the project: Supervisor (Postdoctoral fellow: Dr. Gabriele Chelini). Budget: 63,000 €.
- 2021-2022. CARITRO Cultura project "Al museo mi diverto anche io! Progetto di accessibilità museale per bambini e adulti con autismo" ("I also have fun at the museum: accessibility project for young and adult autistic people"). Role in the project: Coordinator of participating unit. Budget: 6,300 €.
- 2022-2024. Spanish Phelan-McDermid Syndrome Association 2021 Award. Research Project "Targeting cerebellar inflammation to rescue sensorimotor deficits in *Shank3* full knockout mice". Role in the project: Principal Investigator. Budget: 120,000 €.
- 2022-2023. Autism Research Institute (ARI) 2021 Award. Research Project "Targeting cerebellar inflammation to rescue sensorimotor deficits in *Shank3b* mutant mice". Role in the project: Principal Investigator. Budget: 50,000 \$.

## TEACHING ACTIVITY

### Lecture courses

- February 1993: Seminars on "Neurotrophic Factors", Course of Animal Cytology, MSc in Biological Sciences, University of Pisa (6 hours).
- May 1993: Laboratory of Molecular Biology, MSc in Biological Sciences, University of Pisa (6 hours).
- February 1995: Seminars on "Neurotrophic Factors", Course of Animal Cytology, MSc in Biological Sciences, University of Pisa (6 hours).
- May 1995: Laboratory of Molecular Biology, MSc in Biological Sciences, University of Pisa (6 hours).
- June 2002 – April 2010 member of the Teaching Committee ("Consiglio dei Docenti") of the Ph.D. in Basic and Developmental Neurosciences, University of Pisa.
- April-May 2003: on-contract Professor (University of Pisa). Master degree ("Laurea Vecchio Ordinamento") in Biological Sciences and Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences. Integrative course "Regulation of gene expression in the central nervous system" (20 hours; official course "Molecular Biology 2"; SSD BIO-09/BIO-11).

- 2004: Teacher of Laboratory Safety Course, CNR Institute of Neuroscience, Pisa.
- April-May 2004: on-contract Professor (University of Pisa). Master degree ("Laurea Vecchio Ordinamento") in Biological Sciences and Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences. Integrative course "Regulation of gene expression in the central nervous system" (20 hours; official course "Molecular Biology 2"; SSD BIO-09/BIO-11).
- December 2004: on-contract Professor (University of Pisa). Master degree (Laurea Specialistica) in Neurobiology. Integrative course "Epigenetic factors in nervous system development" (10 hours; official course "Development and differentiation of the nervous system"; SSD BIO-06/BIO-09).
- March-June 2005: on contract Professor (University of Pisa). Bachelor Degree (Laurea Triennale) in Biomolecular Sciences. Official course "Biologia Molecolare 2" (40 hours; SSD BIO-11).
- December 2005: on-contract Professor (University of Pisa). Master degree (Laurea Specialistica) in Neurobiology. Integrative course "Epigenetic factors in nervous system development" (10 hours; official course "Development and differentiation of the nervous system"; SSD BIO-06/BIO-09).
- May 2006: on-contract Professor (University of Pisa). Master degree ("Laurea Vecchio Ordinamento") in Biological Sciences and Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences. Integrative course "Regulation of gene expression in the central nervous system" (10 hours; official course "Molecular Biology 2"; SSD BIO-09/BIO-11).
- March-June 2007: on contract Professor (University of Pisa). Bachelor Degree (Laurea Triennale) in Biomolecular Sciences. Official course "Biologia Molecolare 2" (40 hours; SSD BIO-11).
- March-June 2008: on contract Professor (University of Pisa). Bachelor Degree (Laurea Triennale) in Biomolecular Sciences. Official course "Biologia Molecolare 2" (40 hours; SSD BIO-11). *Evaluated as the 2<sup>nd</sup> best class (out of a total of 56).*
- September-October 2009: seminar series, Developmental Biology Course. Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences and Technologies, University of Trento (6 hours, SSD BIO-06).
- 2009-2010: Laboratory Safety Course (2 hours), Ph.D. School in Biomolecular Sciences, University of Trento.
- April 2010-March 2017: member of the Teaching Committee ("Consiglio dei Docenti"), Ph.D. School in Biomolecular Sciences, University of Trento.
- May 2010-present: on-contract Professor (University of Trento). Science Communication Course (12 hours).
- 2010-2011: Laboratory Safety Course (2 hours), Ph.D. School in Biomolecular Sciences, University of Trento.
- September 2010 – September 2013: on-contract Professor (University of Trento). Course of Physiology, Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences and Technologies, Faculty of Sciences (3<sup>rd</sup> year, 86 hours, 9CFU, SSD BIO-09). *Evaluated as the 1<sup>st</sup> best class in academic year 2011-12.*
- September 2010 – September 2013: on-contract Professor (University of Trento). Course of Neurobiology and Molecular Neuropathology, Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences and Technologies, Faculty of Sciences (2<sup>nd</sup> module, 27 hours, 3 CFU, SSD BIO-09).
- February-May 2013: on-contract Professor (University of Trento). Course of Animal models for human pathologies (lab module), Master Degree in Cellular and Molecular Biotechnology, CIBIO (10 hours, 1 CFU).
- September 2013 - September 2014: on-contract Professor (University of Trento). Course of Organism Biology (module of physiology of nervous and endocrine systems), Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences and Technologies (CIBIO) (1<sup>st</sup> year, 18 hours, 2 CFU).
- September 2013 – January 2017: on-contract Professor (University of Trento). Course of Molecular Physiology, Bachelor Degree ("Laurea Triennale") in Biomolecular Sciences and Technologies (CIBIO) (3<sup>rd</sup> year, 56 hours, 6 CFU, SSD BIO-09).
- March 2017-present: member of the Teaching Committee ("Consiglio dei Docenti"), Ph.D. School in Cognitive and Brain Sciences, University of Trento.
- September 2017 – July 2021. Course of Neural Foundations of Human Behaviour, Master Degree in Cognitive Sciences, CIMeC (1<sup>st</sup> year, 42 hours, 6 CFU, SSD BIO-09).
- September 2017 – January 2021. Course of Neurobiology of Brain Disorders, Master Degree in Cognitive Sciences, CIMeC (free choice course, 1<sup>st</sup> / 2<sup>nd</sup> year, 24 hours, 3 CFU, SSD BIO-09). *Evaluated as the 3<sup>rd</sup> best class of year 2017-2018.*
- February 2018 – January 2021. Course of Developmental Neuroscience, Master Degree in Cognitive Sciences, CIMeC (free choice course, 1<sup>st</sup> / 2<sup>nd</sup> year, 42 hours, 6 CFU, SSD BIO-09). *Evaluated as 1<sup>st</sup> best class of academic years 2017-18, 2018-19, 2019-20.*

- October 2020 – present. on-contract Professor (University of Verona). Course of Physiology, Bachelor in Nursing. 1<sup>st</sup> year, 36 hours.
- February 2021 – present Course of Brain Development and Disease, Master Degree in Cognitive Sciences, CIMeC (free choice course, 1<sup>st</sup> / 2<sup>nd</sup> year, 63 hours, 9 CFU, SSD BIO-09). *Evaluated as 1<sup>st</sup> best class of academic year 2020-21*
- September 2021 – present. Course of Physiology. Master in Medicine and Surgery, CISMed University of Trento. 2<sup>nd</sup> year, 44 hours, 5 CFU, SSD BIO-09).

**External referee, Master Degree Thesis in Biological Sciences, University of Pisa**

- 2004: Riccardo Parra, Sara Migliarini
- 2005: Francesca Benini, Mario Mazzantini, Serena Brugali
- 2006: Giulia Pacini, Chiara Cerri
- 2008: Simone Macri

**External referee, Bachelor Degree Thesis in Biomolecular Science and Technology, Univ. of Trento**

- 2011: Simone Bridi, Roberta Eccheli, Simone Adami, Luca Barbon
- 2012: Stefania Chiocchetti, Marco Santin
- 2013: Silvia Lucchi
- 2014: Andrea Zeni, Simone Detassis, Stephanie Roilo, Stefano Casari, Dennis Pedri

**External referee, Master Degree Thesis in Cellular and Molecular Biotechnology, Univ. of Trento**

- 2015: Federica Costa, Matteo Caumo
- 2016: Maria Paulina Castelo Rueda, Alice Macchia
- 2017: Mastad Ahmed, Antonio Vitelli, Angela Bonadiman
- 2021: Fiamma Chiara Serra

**External referee, Master Degree Thesis in Psychology, Univ. of Trento**

- 2018: Mattia Zanzi, Samantha Pedrana

**External referee, Master Degree Thesis, Trinity College Dublin**

- 2018: Steven Shovlin

**External referee, Master Degree Thesis in Molecular Biotechnologies, Dept. Biology, Univ. of Pisa**

- 2020: Giulio Deangeli "The in silico approach in neurodegeneration: a symphony of sciences"

**Member of Bachelor/Master degree committees**

- Academic years 2004-2006: evaluation committees, Master Degree in Biological Sciences, University of Pisa.
- Academic years 2010-2017: evaluation committee, Bachelor Degree in Biomolecular Sciences and Technologies, University of Trento.
- Academic years 2016-present: evaluation committees, Master Degree in Cognitive Sciences and Master Degree Thesis in Cellular and Molecular Biotechnology, University of Trento.
- Academic years 2017-present: evaluation committees, Master Degree in Psychology, University of Trento.

**External referee, PhD thesis**

- July 2005: Padmanabhan Pattabiraman. "Developmental and activity-dependent cortical regulation of TrkB ligands: BDNF and NT4/5". PhD in Cognitive Neuroscience, S.I.S.S.A, Trieste, Italy.
- July 2005: Laura Costantin "Antiepileptic effects of Botulinum Neurotoxin E". PhD in Neurobiology, Scuola Normale Superiore, Pisa, Italy.
- September 2008: Laura Restani. "Role of the callosum in visual cortex development and plasticity". PhD in Neurobiology, Scuola Normale Superiore, Pisa, Italy
- October 2016: Fabio Vallone, "Time series analysis and modeling for preclinical studies of neuroplasticity in normal and pathological brain condition". PhD in BioRobotics, Scuola Superiore Sant'Anna, Pisa, Italy.
- January 2019: Stefano Varani "Sensory information processing in mouse barrel cortex". PhD Program in Neuroscience, University of Genova / IIT, Italy
- August 2019: Cinzia Caterino "The aging synapse: an integrated proteomic and transcriptomic analysis". PhD in Neuroscience, Scuola Normale Superiore, Pisa, Italy.

- February 2020: Vittorio Loffredo "Sex-differences shape memory capacity declining during ageing: rescue effects of voluntary exercise". PhD in Behavioral Neuroscience, University La Sapienza, Roma, Italy.
- February 2020: Micaela Lucarelli "Reduced BDNF availability affects cerebellar postnatal development in a mouse model of Niemann-Pick C1disease". PhD in Behavioral Neuroscience, University La Sapienza, Roma, Italy.
- February 2020: Valentina Mastroianni "Striatal involvement in spatial memory depends on the temporal distribution of learning". PhD in Behavioral Neuroscience, University La Sapienza, Roma, Italy.
- February 2020: Domenico Pimpinella "Neuroigin 3 in hippocampal synaptic dynamics and plasticity: involvement in ASDs". PhD in Behavioral Neuroscience, University La Sapienza, Roma, Italy.
- August 2020. Aoife Campbell "Antagomir-134 as a novel therapeutic for Angelman syndrome". PhD in Neuroscience, Royal College of Surgeons in Ireland (RCSI), Dublin, Ireland.
- December 2020. Renata Cerna "Understanding the long-lasting analgesic effect of anti-NGF and anti-TrkA antibodies in a mouse model of neuropathic pain". PhD in Neuroscience, Scuola Normale Superiore, Pisa, Italy.
- December 2020. Nicola Maria Carucci "Upon the way through which astrocytes sense and react to a reduction of extracellular Nerve Growth Factor level. NGF and Astrocytes in neurodegenerative disease models". PhD in Neuroscience, Scuola Normale Superiore, Pisa, Italy.
- December 2020. Giovanni Spirito "Aberrant transcription regulation in a subset of individuals affected by Autism Spectrum Disorders". PhD in Functional and Structural Genomics, SISSA, Trieste, Italy.
- December 2020. Maria Cristina Aspromonte "Genetic Basis of the Neurodevelopmental Disorders (NDDs)". PhD in "MEDICINA DELLO SVILUPPO E SCIENZE DELLA PROGRAMMAZIONE SANITARIA", University of Padova, Italy
- December 2021. Elisa Ferrari "Convergent transcriptomic and neuroimaging signature of Autism Spectrum Disorder", PhD in Data Science, Scuola Normale Superiore, Pisa Italy.

#### **Member of PhD evaluation committees**

- Nov 2002: evaluation committee, admission to the Phd in Neurobiology, Scuola Normale Pisa.
- Dec 2003: evaluation committee, admission to the Phd in Neurobiology, Scuola Normale Pisa.
- Dec 2003: evaluation committee, admission to the 2<sup>nd</sup> and 3<sup>rd</sup> year of Phd in Neurobiology, Scuola Normale Pisa.
- Dec 2004: evaluation committee, admission to the Phd in Neurobiology, Scuola Normale Pisa.
- 2003: evaluation committee, defence of Phd thesis in Neurobiology, Scuola Normale Pisa (candidate: L. Gianfranceschi).
- Mar 2004: evaluation committee, defence of Phd thesis in Neurobiology, Scuola Normale Pisa (candidate: P. Medini).
- Apr 2004: evaluation committee, defence of Phd thesis in Neurobiology, Scuola Normale Pisa (candidate: S. Naska).
- July 2005: evaluation committee, defence of Phd thesis in Neurobiology, Scuola Normale Pisa (candidates: F. Madeddu, G. Mandolesi, A. Bartoletti, L. Costantin).
- Apr 2006: evaluation committee, defence of Phd thesis in Neurobiology, Scuola Normale Pisa (candidate: D. Valenzano).
- June 2018: evaluation committee, admission to the Phd in Cognitive Sciences, CIMeC University of Trento.
- June-July 2019: evaluation committee, admission to the Phd in Cognitive Sciences, CIMeC University of Trento.
- October 2019: evaluation committee, defence of Phd thesis in Neuroscience, Scuola Normale Pisa (candidate: Cinzia Caterino).
- February 2020: evaluation committee, defence of Phd thesis in Behavioral Neuroscience, University "La Sapienza", Rome, Italy (candidates: Domenico Pimpinella, Valentina Mastroianni, Micaela Lucarelli, Vittorio Loffredo).
- June-July 2020: evaluation committee, admission to the Phd in Cognitive Sciences, CIMeC University of Trento.
- March 2021: evaluation committee, defence of Phd thesis in Experimental Medicine and Medical Biotechnologies, Curriculum: Neuroscience and Neuropathology, Department of Medical Biotechnology and Translational Medicine, University Milan, Italy (candidate: Francesca Santini).

#### **Member of Researcher/Professor evaluation committees**

- June 2018: evaluation committee, selection for a Full Professor in Physiology, Dept Biomedical and Metabolic Sciences and Neuroscience, University of Modena-Reggio Emilia, Italy.
- October 2018: evaluation committee, selection for a fixed-term Researcher (RTD-A) in Physiology, Dept Physics, Univ.

Trento, Italy.

- April-November 2019: evaluation committee, selection for a 7 Researcher positions in Neuroscience, National Research Council (CNR), Italy.
- May 2019: evaluation committee, selection for a fixed-term Researcher (RTD-A) in Physiology, Dept Biomedical Sciences, Univ. Messina, Italy.
- July 2019: evaluation committee, selection for a fixed-term Researcher (RTD-A) in Physiology, Dept Translational Research, Univ. Pisa, Italy.
- May-Nov 2019: evaluation committee, selection for 7 permanent positions (Researcher in Neuroscience), Dept Biomedical Sciences, CNR, Italy
- July-Sept 2019: evaluation committee, selection for a fixed-term Researcher (RTD-B) in Physiology, Univ. Chieti, Italy.
- August-November 2020: evaluation committee, selection for a fixed-term Researcher (RTD-A) in Physiology, Scuola Normale Superiore, Pisa, Italy.
- October 2021 – January 2022: evaluation committee, selection for a fixed-term Researcher (RTD-A) in Physiology, Dept of Biomedical Sciences, University of Padova, Italy.
- November-December 2021: evaluation committee, progression from fixed-term Researcher (RTD-B) to Associate professor in Physiology, Dept Biomedical and Neuromotor Sciences, University of Bologna, Italy.

## TUTOR ACTIVITY

### ***Bachelor and Master students (thesis internship)***

- Stefania Castellano (Biology, Univ. Pisa). Degree obtained October 2005, mark 110/110.
- Manuela Scali (Biomolecular Sciences, Univ. Pisa) Degree obtained Febr. 2006, mark 110/110 cum laude; Master degree obtained December 2007, mark 110/110 cum laude.
- Elisa Brillì (Master degree, Biomolecular Sciences, Univ. Pisa) Degree obtained May 2006, mark 110/110 cum laude.
- Francesca Macchi (Biomol. Sci., Univ. Pisa) Degree obtained May 2006, mark 110/110 cum laude.
- Ilaria Manno (Master Degree, Biotechnology, University of Lecce). Degree obtained October 2006, mark 110/110 cum laude.
- Giorgia Carrieri (Biomol. Sci., Univ. Pisa) Degree obtained March 2007, mark 100/110.
- Elena Sanguinetti (Biomolecular Sciences, Univ. Pisa) Degree obtained Dec. 2008, mark 110/110 cum laude.
- Manuela Allegra (Master degree, Biomolecular Sciences, Univ. Pisa) Degree obtained Dec 2009, mark 110/110 cum laude.
- Giulia Santorufo (Master degree, Biomolecular Sciences, Univ. Pisa) Degree obtained June 2010, mark 110/110 cum laude.
- Roberto Arsì (Biomolecular Science and Technology, Univ. Trento) Degree obtained July 2011, mark 110/110 cum laude.
- Stefano Calovi (Biomolecular Science and Technology, Univ. Trento) Degree obtained September 2011, mark 102/110.
- Martin Centola (Biomolecular Science and Technology, Univ. Trento) Degree obtained December 2011, mark 100/110.
- Ilaria Zanella (Biomolecular Science and Technology, Univ. Trento) Degree obtained March 2012, mark 100/110.
- Elena Clementi (Biomolecular Science and Technology, Univ. Trento) Degree obtained September 2012, mark 110/110 cum laude.
- Valentina Simoni (Biomolecular Science and Technology, Univ. Trento) Degree obtained September 2012, mark 108/110.
- Marika Maggia (Biomolecular Science and Technology, Univ. Trento) Degree obtained January 30, 2013, mark 109/110.
- Luca Pangrazzi (Biomolecular Sciences, Univ. Milano-Bicocca) Degree obtained February 26, 2013, mark 110/110 cum laude.
- Fabiana Crò (Biomolecular Science and Technology, Univ. Trento) Degree obtained September 27, 2013, mark 98/110.
- Alice Migazzi (Biomolecular Science and Technology, Univ. Trento) Degree obtained September 27, 2013, mark 110/110.
- Mattia Pernigo (Master Medical Biotechnology – Univ. Verona). Degree obtained December 11, 2013, mark 97/110.
- Ivan Zadra (Biomolecular Science and Technology, Univ. Trento) Degree obtained January 29, 2014, mark 100/110.
- Davide Sereni (Biomolecular Science and Technology, Univ. Trento) Degree obtained July 2014, mark 103/110.
- Camilla Robol (Biomolecular Science and Technology, Univ. Trento) Degree obtained July 2014, mark 110/110.
- Elena Clementi (Master Biomolecular Sciences, Univ. Trento) Degree obtained October 2014, mark 110/110 cum laude.
- Marco Cazzola (Biomolecular Science and Technology, Univ. Trento) Degree obtained March 25, 2015, mark 98/110.
- Marianna Decet (Biomolecular Science and Technology, Univ. Trento) Degree obtained March 25, 2015, mark 99/110.

- Eloina Corradi (Master in Biomolecular Science and Technology, Univ. Trento) Degree obtained July, 2015, mark 110/110 cum laude.
- Andrea Grigoli (Biomolecular Science and Technology, Univ. Trento) Degree obtained September 2015.
- Giulia Santoni (Biological Sciences, Univ. Firenze). Degree obtained September 2015.
- Zelia Corradi (Biomolecular Science and Technology, Univ. Trento). Degree obtained 18 July 2016.
- Katia Monsorno (Biomolecular Science and Technology, Univ. Trento). Degree obtained 18 July 2016, mark 110/110 cum laude.
- Angela Gilardoni (Master Molecular Cellular Biotechnology, Univ. Trento). Degree obtained 25 October 2016.
- Camilla Robol (Master Molecular Cellular Biotechnology, Univ. Trento). Degree obtained 25 October 2016, mark 110/110 cum laude.
- Davide D'Angelo (Biomolecular Science and Technology, Univ. Trento). Degree obtained November 2016.
- Luca Cimino (Biomolecular Science and Technology, Univ. Trento). Degree obtained March 2017.
- Silvia Miorelli (Biomolecular Science and Technology, Univ. Trento). Degree obtained March 2017.
- Mattia Gadler (Biomolecular Science and Technology, Univ. Trento). Degree obtained October 2017.
- Andrea Grigoli (Master Molecular Cellular Biotechnology, Univ. Trento). Degree obtained 25 October 2017, mark 102/110.
- Matilde Negrini (Master Molecular Cellular Biotechnology, Univ. Trento). Degree obtained December 2017, mark 110/110 cum laude.
- Francesco Libera (Master in Neuroscience, Univ. Trento). Degree obtained 11 October 2018, mark 109/110.
- Lorenzo Mattioni (Master Molecular Cellular Biotechnology, Univ. Trento). Degree obtained October 2019
- Francesca Viscido (Master Cognitive Sciences, Univ. Trento). Degree obtained 11 March 2020, mark 100/110
- Michela Solari (Master Cognitive Sciences, Univ. Trento). Degree obtained 11 March 2020, mark 110/110 cum laude
- Luca Montelisciani (Master Cognitive Sciences, Univ. Trento). Degree obtained 11 March 2020, mark 109/110
- Lorenzo Tausani (Master Cognitive Sciences, Univ. Trento). Degree obtained 11 March 2020, mark 110/110 cum laude
- Chiara Franceschi (Master Cognitive Sciences, Univ. Trento). Degree obtained July 2020, mark 110/110.
- Caterina Tobia (Biomolecular Science and Technology, Univ. Trento). Degree obtained September 2020, mark 110/110 cum laude
- Ather Mujitba (Master Cognitive Sciences, Univ. Trento). Degree obtained 14 October 2020, mark 100/110.
- Zhenya Schlosman (Master Cognitive Sciences, Univ. Trento). Degree obtained 14 October 2020, mark 110/110.
- Maria Ravera (Master Cognitive Sciences, Univ. Trento). Degree obtained 14 October 2020, mark 110/110 cum laude
- Ilaria Zanchi (Master in Neuroscience, Dept. Cognitive Sciences Univ. Trento). Degree obtained 9 December 2020, mark 110/110 cum laude.
- Angela Zordan (Master Cognitive Sciences, Univ. Trento). Degree obtained 3 March 2021, mark 110/110.
- Viktoria Klein-Moberg (Master Cognitive Sciences, Univ. Trento). Degree obtained July 7, 2021, mark 100/110.
- Ana Melishvili (Master Cognitive Sciences, Univ. Trento). Degree expected March, 2022.
- Alessandra Georgette Ciancone Chama (Master Cognitive Sciences, Univ. Trento). Degree expected March, 2022.
- Enrica Cerilli (Master Cognitive Sciences, Univ. Trento). Degree expected March, 2022.
- Caterina Tobia (Master in Cellular and Molecular Biotechnology, University of Trento). Degree expected July, 2022.
- Tommaso Fortunato Asquini (Master in Cellular and Molecular Biotechnology, University of Trento). Degree expected July, 2022.

#### **Bachelor and Master students (stage)**

- Giuseppe Berardi (2<sup>nd</sup> year student from the School of Medicine, University of Cagliari, Italy): laboratory training stage, February-June 2015.
- Luca Liberatore (Master student in Philosophy, University of Trento, Italy). Stage for the preparation of a manuscript on "Phylosophy and Darwinism", Febr-May 2016.
- Luca Liberatore (Master student in Philosophy, University of Trento, Italy). Stage for the preparation of a public conference for the 2017 Darwin Day on "Phylosophy and Darwinism", Jan-Febr 2017.
- Silvia Bronzoni. Post-graduate stage in Experimental Psychology (Dept. Psychology and Cognitive Sciences, Univ. Trento), April-October 2018.



- Lorenzo Bazan (Student in Medicine, Scuola Sant'Anna, Pisa). Laboratory stage, 3-18 september 2018.
- Davide Dall'Acqua. Post-graduate stage in Experimental Psychology (Dept. Psychology and Cognitive Sciences, Univ. Trento), October 2018-April 2019.
- Romina Garcia de Leon, Bachelor student (University of Ottawa, Canada). Laboratory training stage June-July 2019
- Riccardo Fassino Vesconi (4<sup>th</sup> year student from the School of Medicine, University of Sassari, Italy): laboratory training stage, January 2021.
- Lavinia Bazzoni (4<sup>th</sup> year student from the School of Medicine, University of Sassari, Italy): laboratory training stage, January 2021.

#### **PhD students**

- Jan 2000 – March 2004: Federico Madeddu. PhD in Neurobiology, Scuola Normale Superiore, Pisa (degree obtained July 2005, mark 70/70 cum laude).
- Jan 2004 – Dec 2006: Vladimir Voccoli. PhD in Basic and Developmental Neuroscience, University of Pisa (degree obtained 2007; mark: approved). (co-tutor)
- Jan 2005 – Mar 2008: Flavia Antonucci. PhD in Basic and Developmental Neuroscience, University of Pisa (degree obtained March 2008; mark: approved).
- Jan 2007 – Oct 2010: Prem Prakash Tripathi. PhD in Neurobiology, Scuola Normale Superiore, Pisa (degree obtained October 2010, mark 70/70 cum laude).
- Jan 2007- Dec 2009: Davide Silingardi. PhD in Basic and Developmental Neuroscience, University of Pisa (degree obtained 2010; mark: approved). (co-tutor)
- Febr 2010 – Febr 2015: Giulia Zunino. PhD in Biomolecular Sciences, Univ. Trento. (degree obtained February 17, 2015; mark "approved cum laude").
- Nov 2018 – Nov 2022: Luigi Balasco. PhD in Cognitive Sciences, Univ. Trento.
- Nov. 2021 – Nov 2025: Yasaman Heidari. PhD in Cognitive Sciences, Univ. Trento.

#### **PhD student mentoring**

- 2018-present: Francesca Saviola (supervisor Prof. J. Jovicich; PhD in Cognitive and Brain Sciences, CIMeC, Univ. of Trento)
- 2019-present: Cristina Cara (supervisor Prof. M. Tettamanti, PhD in Cognitive and Brain Sciences, CIMeC, Univ. of Trento)
- 2019-present: Maria Elena Busuoli (supervisor Dr. M. Lombardo, PhD in Cognitive and Brain Sciences, CIMeC, Univ. of Trento)
- 2019-2020: Luca Del Torre (supervisor Dr. Albrecht Haase, PhD in Cognitive and Brain Sciences, CIMeC, Univ. of Trento)

#### **Postdocs**

- Feb 2009-Aug 2009: Francesca Macchi (IN-CNR, Pisa).
- Sept 2010 – April 2012: Mark Dunleavy (CIBIO, UniTN, Trento).
- June 2009 – Dec 2014: Paola Sgadò (CIBIO, UniTN, Trento).
- June 2010 – Dec 2014: Sacha Genovesi (CIBIO, UniTN, Trento).
- Sept 2010 – Dec 2016: Giovanni Provenzano (CIBIO, UniTN, Trento).
- Febr 2015 – June 2015: Giulia Zunino (CIBIO, UniTN, Trento).
- July 2015 – July 2016: Angela Bozza (CIBIO, UniTN, Trento).
- Jan 2016 – June 2016: Camilla Boschian (CIBIO, UniTN, Trento).
- March 2016 – July 2016: Gabriele Chelini (CIBIO, UniTN, Trento).
- May 2016 – July 2016: Bartolomeo Bosco (CIBIO, UniTN, Trento).
- 2016-2017: Marta Biagioli (CIBIO, UniTN, Trento). EU project 706567 – TransSplicHD.
- Aug 2018 – July 2019: Michele Filosi (CIMeC, UniTN, Rovereto).
- Aug 2018 – present: Ilaria Basadonne (CIMeC, UniTN, Rovereto).
- Feb 2020 – present: Luca Pangrazzi (CIMeC, UniTN, Rovereto).
- June 2021 – present: Gabriele Chelini (CIMeC, UniTN, Rovereto).

#### **High school students**

- 10-22 Jan 2005: Giacomo Ciucci (stage at Institute of Neuroscience, from Liceo Scientifico Tecnologico, Lucca, Italy).
- 11-18 April 2012: Francesca Notte (stage at CIBIO, from Liceo Scientifico Torricelli, Bolzano, Italy).

- 3-14 September 2012: Francesca Lever (summer stage at CIBIO, from Istituto Tecnico per il Turismo Gardascuola, Arco, TN, Italy).
- 6-17 June 2016: Nina Desiato (summer stage at CIBIO, from Istituto Gandhi, Merano, Italy).

#### ORAL COMMUNICATIONS AT NATIONAL/INTERNATIONAL MEETINGS

- May 1993: "Monocular deprivation regulates BDNF mRNA expression in the rat visual cortex", Workshop Capalbio Gruppo di Cooperazione Struttura Molecolare ed Espressione del Gene, May 1993.
- September 1993: "Monocular deprivation regulates BDNF mRNA expression in the rat visual cortex", XI congresso ABCD, Milano 16-19 September 1993.
- July 1999: Speaker at the "3rd Postgraduate Course in Molecular and Cellular Endocrinology" (European Federation of Endocrine Societies, Munster, Germany).
- Oct. 2000: "Neuroprotective role of dopamine against hippocampal cell death" Third Neurobiology Conference "Molecular and Cellular Mechanisms of Brain Repair", Torino, Italy.
- Febr. 2002: "Isolation of novel genes involved in BDNF-mediated neuroprotection" Convegno NEUROSCIENZE MOLECOLARI ABCD, Roma.
- Apr. 2005: "Branched chain aminotransferase (BCATc) is a novel gene induced by BDNF in astrocytes following CNS lesion: a role of glutamate metabolism in BDNF-mediated neuroprotection?" International Symposium "Neuroplasticity, neurotrophic factors and mood disorders". Pisa 8-9 April 2005.
- July 2005: "Antiepileptic effects of botulinum neurotoxin E" III conference on epileptogenesis, San Servolo, Venice, July 28-30, 2005.
- Nov. 2005: "Antiepileptic and neuroprotective effects of intracerebral delivery of Botulinum Toxin E in an animal model of temporal lobe epilepsy" Fondazione Mariani Symposium, EACD meeting, Montecarlo November 19, 2005.
- March 2006: "Botulinum neurotoxin E: a new tool to interfere with epileptogenesis? 8th Neuroscience Winter Conference, Solden, Austria.
- July 2006: "Anticonvulsant effects of Botulinum neurotoxin E" 7<sup>th</sup> European Congress of Epileptology, Helsinki, Finland.
- December 2007: "Botulinum Neurotoxin E (BoNT/E) prevents granule cell dispersion but not epileptogenesis in a mouse model of temporal lobe epilepsy". American Epilepsy Society, Philadelphia, USA.
- February 2008: "Brain development, genes and epilepsy". Course on the genetics of epilepsy. Fondazione Mariani and School for Neurological Sciences, San Servolo (Venice, Italy).
- April 2008: "Role of dopamine and serotonin in seizure susceptibility: insights from mutant mice", 10th Neuroscience Winter Conference, Solden, Austria.
- September 2008: "Serotonin hyper-innervation abolishes seizure susceptibility in Otx2 conditional mutant mice". European Congress on Epileptology, Berlin, Germany.
- June 2009: "Role of Otx2 and En2 genes in seizure susceptibility", Spring Hippocampal Research Conference, Verona, Italy
- May 2011: "Dysfunction of GABAergic interneurons in En2 knockout mice" Spring Hippocampal Research Conference, Verona, Italy.
- June 2011: "Dysfunction of GABAergic interneurons in En2 knockout mice" Autism workshop, CNR Neuroscience Institute, Pisa, Italy.
- July 2011: "Gene expression profiling of forebrain areas in mouse model of autism". IBRO Congress, Firenze, Italy.
- September 2012: "Molecular basis of neurodevelopmental disorders: the role of GABAergic interneurons". Summer School "Neural stem cells in development and disease", Levico Terme (Trento, Italy).
- April 2013: "The Engrailed 2 mouse model of autism". 15<sup>o</sup> Neuroscience Winter Conference, Solden, Austria.
- November 2013: "Transcriptome profiling of the Engrailed 2 mouse model of autism: common pathways associated with ASD". BIOBASH workshop, Genialis-Fondazione Bruno Kessler, Trento, Italy. Video available at <https://www.genialis.com/tag/yuri-bozzi/>.
- July 2014: "Interneurons and epilepsy". Summer School on Interneurons, University of Amsterdam, The Netherlands.

- October 2015: "Convergent signaling pathways altered in different mouse models of ASD", workshop "Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update", Siena (Italy).
- January 2016: "Altered BDNF signaling in Engrailed2 knockout mice". Final workshop of the PRIN2010/IN-BDNF consortium, Monte Bondone (TN), Italy.
- September 2016: "Interneuron dysfunction in the somatosensory cortex of Engrailed2 knockout mice". Annual retreat of the CNR Neuroscience Institute, Padova, Italy.
- October 2016: "Interneuron dysfunction in the somatosensory cortex of Engrailed2 knockout mice". 2nd Workshop "Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update", Siena (Italy).
- December 2016: "Comparative studies in mouse models: a strategy to understand the genetic complexity of autism". 2<sup>nd</sup> Congress of the Italian Association for Autism research (AIRA), Rome, Italy.
- March 2017: "Neurobiological bases of autism spectrum disorders". Workshop "Le neuroscienze tra clinica e ricerca", Rovereto, Italy. <https://www.youtube.com/watch?v=kjltNv5Lrks>
- Feb 2019 "My experience as an IMI reviewer". CIBIO workshop "Funding strategy: from fundamental to translational science", University of Trento, Italy
- Feb 2019 "Defensive response to whisker stimulation and reduced somatosensory cortex activation in the Engrailed-2 mouse model of autism". Italy at INSAR workshop, Cernobbio - Como, Italy
- Apr 2019 "Somatosensory defects in mouse models of neurodevelopmental disorders" 2<sup>nd</sup> CIMEC-KAIST joint symposium, Rovereto, Italy.
- Sept 2019 "Somatosensory defects in mouse models of neurodevelopmental disorders" IGB meeting on Fragile X and neurodevelopmental disorders, Sorrento, Italy.
- Sept 2019 "Somatosensory defects in mouse models of neurodevelopmental disorders" SINS Congress, Perugia, Italy.

#### INVITED SEMINARS

- March 1995: "Neurotrophins in the rat visual system: expression and mechanism of action" (Istituto di Neurobiologia del CNR, Rome, Italy. Host Prof. P. Calissano).
- May 1995: "Neurotrophins in the rat visual system: expression and mechanism of action" (Istitut Pasteur, Paris, France. Host Prof. J.P. Changeux).
- Dec. 1995: "Neurotrophins in the rat visual system: expression and mechanism of action" (Istituto di Farmacologia del CNR, Milan, Italy. Host Prof. F. Clementi).
- Dec. 1996: "Neurotrophins and the dopaminergic system" (Istituto di Neurofisiologia del CNR, Pisa, Italy. Host Prof. L. Maffei).
- Dec. 1997: "Dopamine D2 receptor knockout mice as a model to study CNS and neuroendocrine pathologies" (Dipartimento di Neuroscienze, Università di Cagliari, Italy. Host Prof. G.L. Gessa).
- July 1999: "Dopamine D2 receptor knockout mice as a model to study CNS and neuroendocrine pathologies" (Neurological Clinic, Tubingen Univ., Germany. Host Prof. M. Baehr).
- June 2000: "Dopamine D2 receptor knockout mice: a model to study epilepsy-induced neurodegeneration" (Istituto Tigem, Milan, Italy. Host Dr. A. Servadio).
- March 2001: "Gene expression regulation in CNS death and survival" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- March 2002: "Molecular biology techniques to study single neuron properties" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- March 2002: "Neuroprotective role of dopamine against epilepsy-induced neuronal cell death" (Farmacologia, Università di Pisa, Italy. Host Prof. G.U. Corsini).
- Jan. 2003, Jan. 2004: "Antiepileptic effects of botulinum neurotoxin" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- Jan. 2005: "Molecular mechanisms of epileptogenesis" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- June 2005: "Antiepileptic effects of botulinum neurotoxin" (SISSA, Trieste, Italy. Host Prof. L. Domenici).
- Nov. 2005: "Expression of branched-chain aminotransferase (BCAT) in the rodent brain" (GlaxoSmithKline, Verona, Italy. Host Dr. E. Domenici).

- Dec. 2005: "Turning a toxin into a potentially therapeutic drug: antiepileptic effects of botulinum neurotoxin" (IGBMC, Strasbourg, France. Host Dr. E. Borrelli).
- Jan. 2006: "Cytoplasm-to-nucleus transport alterations in hippocampal neurons during epileptogenesis" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- May 2006: "Turning a toxin into a potentially useful drug: anticonvulsant effects of botulinum neurotoxin" (Royal College of Surgeon in Ireland MCT seminar series, Dublin, Ireland. Host: Prof. J. Waddington).
- Nov. 2006: "Antiepileptic effects of botulinum neurotoxin" (Facoltà di Medicina, Università de L'Aquila, Italy. Host Prof. L. Domenici).
- Jan. 2007: "Development of epilepsy under blockade of synaptic activity" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- Dec. 2007: "Botulinum Neurotoxin E (BoNT/E) prevents granule cell dispersion but not epileptogenesis in a mouse model of temporal lobe epilepsy" (Dept Human Genetics, School of Medicine, Univ Michigan, Ann Arbor, USA. Host Prof. M. Meisler).
- Febr. 2008: "Role of dopamine in epilepsy: insights from mutant mice" (CIBIO, Univ. Trento, Italy. Host: Prof. A. Quattrone).
- Febr. 2008: "Role of dopamine in epilepsy: insights from mutant mice" (Scuola Normale Superiore, Pisa, Italy. Host Prof. L. Maffei).
- March 2008: "Role of dopaminergic and serotonergic systems in epilepsy" (Dipartimento di Fisiologia e Biochimica, Univ. Pisa, Italy. Host Prof. M. Brunelli).
- Oct. 2008: "The role of dopamine (and serotonin) in seizure susceptibility: insights from Otx2 and Engrailed mutant mice" (Institute of Developmental Genetics, Helmholtz Center, Munich, Germany. Host Prof. W. Wurst).
- May 2011: "Dysfunction of GABAergic interneurons in En2 knockout mice" (Dipartimento di Anatomia, Facoltà di Medicina, Univ. Verona, Italy. Host Prof. P. Fabene).
- May 2012: "Dysfunction of GABAergic interneurons in En2 knockout mice" (Dipartimento di Neuroscienze, Istituto Italiano Tecnologia (IIT), Genova, Italy. Host Prof. F. Benfenati / Dr. P. Medini).
- July 2013: "GABAergic dysfunction in the Engrailed 2 mouse model of autism" (Children's Hospital, Kirby Neurobiology Research Centre, Harvard University, Boston. Host. Dr. M. Fagiolini).
- March 2014: "GABAergic dysfunction in the Engrailed 2 mouse model of autism" (Cell Biology Section, Department of Biology, University of Pisa. Host. Dr. M. Ori).
- September 2014: "GABAergic dysfunction in the Engrailed 2 mouse model of autism" (CIMEC – Mind Brain Center, Univ. Trento, Italy. Host Prof. G. Vallortigara).
- December 2014: "Mouse genetic models of autism and epilepsy" (University Milano Bicocca, Milano, Italy. Host Prof. S. Nicolis).
- December 2014: "En2 knockout mice as a model to study autism spectrum disorders" (Humanitas Research Center, Milano, Italy. Host Prof. M. Matteoli).
- January 2015: "Interneurons in neurodevelopmental disorders" (University La Sapienza, Rome, Italy. Host Prof. A. Tata).
- April 2015: "GABAergic dysfunction in the Engrailed 2 mouse model of autism" (Hospital for Sick Children, University of Toronto. Hosts Profs. Freda Miller and David Kaplan).
- November 2016: "The experience of an H2020 evaluator: main suggestions on how to draft a proposal". Open day on H2020 grant submission organized by the Research Support Office of University of Trento (Host Dr. Laura Paternoster).
- March 2018: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". CNR Neuroscience Institute (Milan, Italy. Host Dr. Bice Chini).
- April 2018: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". Trinity College Institute of Neuroscience (Dublin, Ireland. Host Dr. Daniela Tropea).
- May 2018: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". University of Groningen (The Netherlands. Host Prof. Martien Kas).
- June 2018: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". CIBIO - University of Trento, Neurobiology Area Meeting (Host Prof. Giovanni Piccoli).
- Jan 2019: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". Center for Epigenetics and Metabolism - University of California, Irvine, US (Host Prof. Emiliana Borrelli).

- Jan 2019: "BACKUP: hybrid circuits to control neuronal excitability in epilepsy". BACKUP kickoff meeting, University of Trento (Host. Prof. Lorenzo Pavesi).
- Jan 2019: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". Italian Institute of Technology - IIT, Genova, Italy (Host Prof. Stefano Gustincich).
- May 2019: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". Institute for Biomedical Aging Research, University of Innsbruck, Innsbruck (Host Dr. Luca Pangrazzi).
- May 2019: "Neurobiology of the autism spectrum disorder". "Bridging the clinics to the bench" Seminar Series, CIBIO, University of Trento (Host Dr. Manuela Basso and Dr. Bruno Giometto).
- July 2019: "Aberrant sensory processing and connectivity in the *Engrailed-2* mouse model of autism". CNR Institute of Neuroscience, Pisa, Italy (Host Dr. Alessandro Sale).
- December 2019: "*In vivo* and *in vitro* approaches to dissect the complexity of neurodevelopmental disorders". NanoLab kick-off meeting, Department of Physics, University of Trento, Italy (Host Prof. Lorenzo Pavesi).
- November 2020 "Somatosensory processing deficits in mouse models of autism spectrum disorders" online seminar, Mississippi University medical Center (Host. Dr. Harry Pantazopoulos)

#### **PARTICIPATION TO PRACTICAL/THEORETICAL COURSES**

- 13-14 June 1991 International Lecture Course "Neurobiology and the Unity of Biological Sciences", Scuola Normale Pisa, Italy.
- 13-24 July 1992: Practical Course "Computer Application in Molecular Biology" ICGEB, Trieste, Italy.
- 2-8 July 1995: Theoretic Course "Developmental and functional aspects of human brain". Organized by University of Trieste/University of Udine, Cividale del Friuli (Udine, Italy).
- 17-20 November 2014. EMBO Laboratory Management Course, Heidelberg, Germany.

#### **OTHER SCIENTIFIC ACTIVITIES**

##### ***Editorial activity***

- Jan 1, 2012 – Dec 31, 2013: Editorial Board Member, "Neuroscience" (official journal of the International Brain Research Organization IBRO).
- June 1, 2012 - February 28, 2014: Editorial Board Member, "ISRN Neuroscience" <http://mts.isrn.com>
- April 10, 2013 - February 19, 2014: Editorial Board Member, "Journal of Intellectual Disability Diagnosis and Treatment".
- Since Jan 1, 2014 (until December 31, 2022): Senior Editor "Neuroscience" (official journal of the International Brain Research Organization IBRO).
- 2014: Guest Editor (with Dr. Roberto Canitano), Frontiers in Pediatrics - Child and Neurodevelopmental Psychiatry Research Topic "New treatment perspectives in autism spectrum disorders".
- 2015: Editor (with Dr. Roberto Canitano), Frontiers eBook "New treatment perspectives in autism spectrum disorders".
- Since March 13, 2015: member of the Consulting Editors Board of Epilepsy Research.
- 2015: Guest Editor (with Dr. Roberto Canitano), Frontiers in Psychiatry - Research Topic "Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update".
- 2017: Editor (with Dr. Roberto Canitano), Frontiers eBook "Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update".
- Since Sept 22, 2016: Editorial Board Member, "Journal of Neurodevelopmental Disorders" (BioMed Central).
- Since April 26, 2018: Review Editor, Frontiers in Molecular Neuroscience.
- 2018: Guest Editor (with Dr. Roberto Canitano and Dr. Dick Dossche), Frontiers in Psychiatry - Research Topic "Second edition: Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update".
- Since February 28, 2019: Associate Editor, Frontiers in Molecular Neuroscience.
- 2020: Guest Editor (with Dr. Michela Fagiolini), Neuroscience Special Issue on "Animal Models of Neurodevelopmental Disorders" <https://www.sciencedirect.com/journal/neuroscience/vol/445>

##### ***Reviewer for international journals***

- Since 2003: European Journal of Neuroscience, Nutritional Neuroscience
- Since 2005: Nature Neuroscience
- Since 2006: Epilepsia
- Since 2007: Aging Clinical Experimental Research, Journal of Neuroscience Research, Brain Research, Neurological Sciences, Restorative Neurology and Neuroscience
- Since 2008: Nature Medicine, Neuroscience, Neuroscience Letters, Regulatory Peptides, Experimental Neurology
- Since 2009: Journal of Neural Transmission, Epilepsy Research, FASEB Journal, American Journal of Pathology, BMC Neuroscience
- Since 2010: Molecular and Cellular Neuroscience, Cerebral Cortex
- Since 2011: Journal of Biological Chemistry, Neural Plasticity, Autism Research, Cell Death and Disease, PLoS One
- Since 2012: Pharmacological Reports, Mini-Reviews in Medicinal Chemistry, Neuropharmacology, Journal of Neuroscience, Neurotoxicity Research, AGE (Journal of American Aging Association), Neurochemistry International, Archives Italiennes de Biologie, ISRN Neuroscience
- Since 2013: European Neuropsychopharmacology, Epilepsy Research and Treatment, Biological Psychiatry, Neurotherapeutics, Frontiers in Neural Circuits, Neurobiology of Disease, Intellectual Disability Diagnosis Journal, Experimental Gerontology, Cellular and Molecular Neurobiology, Journal of Neurochemistry
- Since 2014: Toxicology and Applied Pharmacology, Biomedical Research, Cellular and Molecular Life Sciences, Hippocampus, Neurochemical Research, International Journal of Developmental Neuroscience
- Since 2015: Frontiers in Neurology, Toxicon, Brain Sciences, Scientific Reports (Nature Publishing Group), PLoS Genetics, Nature Communications
- Since 2016: Scientific Data (Nature Publishing Group), Oncology Letters, Behavioural Brain Research, Pharmacology Biochemistry and Behaviour, BBA - Molecular Basis of Disease
- Since 2017: Frontiers Human Neuroscience, The Autism Journal, Journal of Neuroinflammation, Progress in Neuropsychopharmacology & Biological Psychiatry, Molecular Autism, Progress in Neurobiology, NeuroReport, Brain Behaviour and Immunity, Brain Sciences, European Journal of Neurology
- Since 2018: Pharmaceuticals
- Since 2019: Cellular & Molecular Biology Letters, Reviews in the Neurosciences, BJR-British Journal of Radiology, Expert Opinion on Drug Discovery, Journal of Anatomy
- Since 2020: Neuroscientist, Communications Biology (Nature publishing group), eNeuro, Progress in Neuropsychopharmacology & Biological Psychiatry, Neuroscience & Biobehavioral Reviews, Behavioural Neurology

**Research grant reviewer for national/international funding agencies**

- Fondazione Pierfranco e Luisa Mariani, Italy (2004)
- Health Research Board Ireland (2008-2011)
- Brainwave Ireland (2009, 2011)
- Epilepsy Research UK (2009, 2013)
- Medical Research Council, MRC-UK (2009, 2015)
- EU-FP7 2010 HEALTH Panel Human Aging (remote and consensus panel evaluation, 2010)
- SISSA Young Investigator Award (2011)
- Università di Milano (Italy) evaluation of post-doctoral research contracts ("assegni di ricerca") (2011)
- IMI Innovative Medicine Initiative, EU-Autism Call (remote and consensus panel evaluation, 2011)
- AERES Evaluating Committee (France) (2012)
- Agence Nationale de la Recherche (ANR, France) (2013)
- FIRB "Futuro in Ricerca" (Italian Ministry of Education and Research, MIUR) (2013)
- StrategMed Poland (2013, 2014, 2016)
- CORE Program, Fond National Recherche, Luxembourg (2013)
- PRIN2012 MIUR Italy (2013)
- Human Brain Project – HBP (remote evaluation, 2013)

- Wellcome Trust UK (2014)
- IMI Innovative Medicine Initiative, EUAIMS project interim review (2014)
- SIR-MIUR Italy (2014)
- Wellcome Trust (UK) Sir Henry Dale fellowships (2015)
- IMI-2 call Topic 3 Neuropsychiatry (remote and consensus panel evaluation, 2015)
- The Laura W. Bush Institute for Women's Health / Texas Tech University Health Sciences Center Seed Grant Program (2015)
- Joint Programme - Neurodegenerative Disease Research (JPND) call "European research projects for Cross-Disease Analysis of Pathways related to Neurodegenerative Diseases" (2015-2017), consultant of the Italian Ministry of University and Research (MIUR) for interim and final evaluation of proposed projects
- Medical Research Council (MRC, UK) - Neurosciences & Mental Health Board, Neurology & Neurodegeneration (2015)
- AFR Luxembourg postdoctoral fellowships (2015)
- Open Programme, Netherlands Organisation for Scientific Research (NWO), Earth and Life sciences division (2016)
- Evaluation of Research Quality (VQR 2011-2014) ANVUR – Agency of Research Evaluation of the Italian Ministry of University and research (2016)
- H2020 call SC1-PM-04-2016 "Networking and optimising the use of population and patient cohorts at EU level" (remote and consensus panel evaluation, 2016)
- IMI-2 call Topic 3 Neuropsychiatry (PRISM Project Interim Review, 2016)
- Regione Sardegna Progetti di Ricerca (2017)
- IMI-2 call Topic 3 Neuropsychiatry (PRISM Project Interim Review, 2017)
- IMI-2 call Call 13 Topic 10 Neurotoxicity (remote and consensus panel evaluation, 2018)
- Swiss National Science Foundation (2018)
- Basic Research Projects – University of Verona (Italy, 2018)
- IMI-2 call Call 15 Topic 5 Synaptopathies (remote and consensus panel evaluation, 2018)
- H2020 MCSA fellowship call 2018
- Medical Research Council (MRC, UK), UKRI-JSPS Research Partnerships Call 2018
- Wellcome Trust UN Investigator Award in Science (2019)
- Swedish Research Council, call for Medicine and Health, review panel member (2019-2021)
- ERANET-NEURON 2020
- Agence Nationale pour la Recherche (ANR), France (2020)
- NCSTE Kazakistan (2020)
- NCN Poland (2020, 2021)
- PED2021 - Executive Agency for Higher Education, Research, Development and Innovation Funding (Romania)

#### **Organization of congresses and workshops**

- Organizer and "chairman" of the Fourth Conference on Epileptogenesis (Pisa, Italy, May 23-26, 2007).
- Organizer of the International Summer School "Neural stem cells in development and disease", Levico Terme (Trento, Italy), September 4-8, 2012.
- Organizer, 60<sup>th</sup> meeting of the Italian Embryology Group (GEI), Trento June 15-18, 2014.
- Member of Scientific Committee, XVI Congress of the Italian Society of Neuroscience (SINS), Cagliari October 8-11, 2015.
- Organizer and chairman, Workshop "Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update", Siena (Italy), October 16, 2015.
- Organizer of the final workshop of the PRIN2010-11 IN-BDNF consortium, Monte Bondone (Trento, Italy), January 13-15, 2016.
- Organizer and chairman, 2<sup>nd</sup> Workshop "Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update", Siena (Italy), 6-7 October 2016.
- Member of organizing committee, Workshop "Ten years of Mind/Brain Sciences at the University of Trento", CIMEC, University of Trento (Italy), 19-21 October 2017.
- Organizer and chairman, 2<sup>nd</sup> CIMEC-KAIST joint symposium, Rovereto, Italy, March 2019.

#### **Organization of symposia in national/international congresses**

- Organizer and "chairman" of the Symposium "Epilepsy: from basic research to clinical applications" Congress of the Italian Society of Neuroscience (Pisa, Italy, 26-28 September 2003).
- Organizer and "chairman" of the Symposium "Plastic changes in the epileptic brain", 8<sup>th</sup> Neuroscience Winter Conference (Sölden, Austria, march 2006).
- Organizer and "chairman" of the Symposium "Mechanisms of epileptogenesis and neuronal cell death in temporal lobe epilepsy", Congress of the Italian Society of Neuroscience (Verona, Italy, September 2007).
- Organizer and chairman of the symposium "Developmental and molecular bases of neurological diseases: a focus on dopaminergic neurons and their target structures" (10th Neuroscience Winter Conference, Sölden, Austria, April 2008).
- Organizer and "chairman" of the Symposium "Neurodevelopmental alterations leading to epilepsy", Congress of the Italian Society of Neuroscience (Milano, Italy, October 2009).
- Organizer and "chairman" of the Workshop "Gene expression and transcriptomic approaches to neurological disorders", IBRO Congress (Firenze, Italy, 16 July 2011).
- Organizer and chairman of the symposium "Mutant mouse models of autism spectrum disorders" (15th Neuroscience Winter Conference, Sölden, Austria, April 2013).
- Chairman of the symposium "New insights on synaptic plasticity and neural connectivity", XVI Congress of the Italian Society of Neuroscience (SINS), Cagliari October 8-11, 2015.
- Chairman of the symposium "Anatomical and functional forebrain defects in mouse models of neurodevelopmental disorders", XVIII Congress of the Italian Society of Neuroscience (SINS), Perugia September 26-29, 2019.

#### **Memberships of scientific societies**

- International Brain Research Organization (IBRO).
- Italian Society of Neuroscience (SINS). Member of the Directive Council, January 1, 2014 – December 31, 2017.
- Gruppo Embriologico Italiano (GEI).
- Italian League against Epilepsy (LICE). Member of the LICE Basic Epileptology Commission.
- Member of Italian Committee of Full Professors in Physiology (since Sept 1, 2018).

#### **Organizational activities/responsibilities at research institutions**

- 2001-2008: Responsible for the radioactive laboratory at CNR Neuroscience Institute, Pisa.
- 2010-2013: CIBIO Director's delegate for the planning of the new CIBIO animal house.
- 2010-2016: Responsible for the radioactive laboratory at CIBIO.
- 2017-2019: CIMeC delegate for the quality of teaching and research.

#### **SCIENCE DISSEMINATION ACTIVITIES**

- 1 June and 30 Oct 2002: public conferences on "Genetic mechanisms of neurodegeneration", Pisa, Italy. In collaboration with Telethon Foundation.
- 2002: basic neuroscience lecture course on "Genetic regulation of nervous system development" for high school science teachers, organized in collaboration with the Italian Association Natural Science Teachers (ANISN), Livorno, Italy.
- 2003-2005: science week at CNR Research Area, Pisa, Italy: organization of laboratory guided tours.
- 2003-2004: biomedicine lectures for high school students ("Lezioni Lincee"), Scuola Normale Superiore, Pisa, Italy
- 2004: basic neuroscience lecture courses on "Neural darwinism" for high school science teachers, organized in collaboration with the Italian Association Natural Science Teachers (ANISN), Viareggio, Italy.
- 2004-2008: biology and neurobiology lectures for high school students in various schools in Pisa and Lucca, Italy.
- Nov. 2009: basic neuroscience lecture courses for high school science teachers, organized in collaboration with CIBIO and the Natural Science Museum, Trento, Italy.
- 2009-present: regional coordinator for Trentino-South Tyrol of the "Neuroscience Olympic Games" (Italian phase of the International Brain Bee) for high school students.



- 2010-2011: basic neurobiology lectures for high school students in various schools in Trento and Belluno, Italy.
- 2010-present: coordinator of the CIBIO events organized for the “Researchers’ Night” of the University of Trento.
- 24 Sept 2010: speaker at “Science Café”, UNITN Researchers’ Night, Trento, Italy.
- 15 February 2011: appearance on the TV program “Chi ricerca innova – curarsi in Trentino” (RAI3 Trentino).
- 11-14 April 2011: organizer and speaker at the Science Festival “Apertamente”, University of Trento
- Dec 2011 – Jan 2012: lecture courses for high school science teachers “Waiting for the Neuroscience Olympic Games 2012” organized by UniTN, UniTS and Museo Tridentino di Scienze Naturali, Trento.
- 2012-2014: national coordinator of the “Neuroscience Olympic Games” (Italian phase of the International Brain Bee) for high school students (<http://events.unitn.it/olimpiadi-neuroscienze>).
- 2012-2016: organizer of the UniSTEM Day at UniTN, Trento, Italy.
- Sept 2012: author of picture selected for the photo contest “Arte e Scienza”, Trieste, Italy.
- October 20, 2012: invited speaker at the Science Festival “Scienzartambiente”, Pordenone, Italy.
- Dec 2012 – Jan 2013: lecture courses for high school science teachers “Waiting for the Neuroscience Olympic Games 2013” organized by UniTN, UniTS and Museo Tridentino di Scienze Naturali, Trento.
- 2013-present: biology and neurobiology lectures for high school students in various schools in Trento, Italy.
- 12 June 2013: appearance on the TV program “Ipse dixit” dedicated to Neuroscience (RAI STORIA channel, conductor Viviana Kasam).
- October 15, 2013: speaker at “Scienza dietro le quinte”, University of Trento.
- October 25, 2013: speaker at “PensaTresversale”, University of Trento.
- November 15-16, 2013: lecture courses for high school teachers “Waiting for the Neuroscience Olympic Games 2014” (Immaginario Scientifico Science Centre, Trieste, Italy).
- Dec 2013 – Jan 2014: lecture courses for high school science teachers “Waiting for the Neuroscience Olympic Games 2014” organized by Museo Civico di Rovereto, Rovereto, Italy. Videos available at <https://www.sperimentarea.tv/ondemand/aspettando-le-olimpiadi-delle-neuroscienze-yuri-bozzi-il-cervello-plastico-una-visione-dinsieme>.
- January 31, 2014: speaker at “PensaTresversale”, Liceo Rosmini, Trento.
- March 16, 2014: invited speaker, Brain Forum, Milan, Italy: “Biological basis of autism” –video available on Vimeo at <https://vimeo.com/90593268>
- March 18, 2014: invited speaker, Natural History Museum, Bolzano, Italy.
- May 21, 2014: Science Museum, Trento (MUSE) “Vaccines and autism”.
- October 12, 2014. RAI Tg1 Medicina (conductor Manuela Lucchini) – appearance in a TV report on autism research at the University of Trento.
- 25 Sept 2015: speaker at “Science Café”, UNITN Researchers’ Night, Trento, Italy.
- Jan 2016: organizer and speaker, CLIL project on Biotechnologies (6 hours lectures + 4 hours lab module). Liceo Scientifico G. Galilei, Trento, Italy.
- January – March 2016. Multimedial presentation “Neural Tracks – a musical journey inside the human brain”, at the “NEXUS” exposition on robotics, Palazzo Medici-Riccardi, Firenze, Italy (<http://mostre.museogalileo.it/nexus/>), in collaboration with Alessio Ghionzoli (electronic musician).
- 27 November 2016. Multimedial presentation “In search of lost memories: an artistic journey through the brain”, in collaboration with Alessio Ghionzoli (electronic musician) and Luca Gasperoni (videomaker). Diffrazioni Festival, Firenze, Italy ([www.diffrazionifestival.com](http://www.diffrazionifestival.com)).
- 14 December 2016. Multimedial presentation “Tempus fugit - In search of lost memories: an artistic journey through the brain”, in collaboration with Alessio Ghionzoli (electronic musician) and Luca Gasperoni (videomaker). No Man’s Land – Art&Tech Night, Trento, Italy.
- From January 4, 2017: member of “RagionevolMente” (non-profit association for Science dissemination, Trento/Bolzano, Italy).
- Febr 2017: organizer and speaker, CLIL project on Neuroscience (6 hours lectures + 4 hours lab module). Liceo Classico Prati, Trento, Italy.

- Febr 2017: speaker, Science Museum Trento (MUSE): Public conference for Darwin Day.
- April 2017: speaker, round table on vaccines, ITT Buonarroti High School, Trento, Italy.
- Sept. 29. Appearance on RAI3 radio “What do we know about autism” (conductor Francesca Mazzalai).
- Sept 29, 2017. Speaker at Researchers’ Night, Trento, Italy.
- Sept 25, 2018. Organizer of a boot for TRAIN – Trentino Autism Initiative at Researchers’ Night, Trento, Italy.
- Oct 27, 2018. Speaker at “Pensa Trasversale”, University of Trento, Italy.
- Nov 9, 2018. Speaker at “Chiamata alle arti e alle scienze”, Rovereto (TN), Italy.
- Jan 14, 2019. “A few joints can alter the brain in adolescents”. Interview to ANSA and Corriere della Sera.
- Jan 18, 2019. Participation to the documentary movie “Slow News” by Alberto Puliafito / iK Produzioni.
- February 19, 2019. TV Interview on Telepace Trento (program “L’intervista” by Silvia Piasentini - <http://www.telepacetrento.it/archivio-video/intervista>)
- May 13, 2019. Science Café at MUSE, Trento. “Scienza a ore sei: che effetto ti fa? Come le sostanze stupefacenti modificano il nostro cervello”.
- July 2, 2019. CIMeC Città, Rovereto. “Sesso, genere e cervello: tutti diversi, tutti uguali”.
- October 19, FocusLive Event, MUSE Science Museum, Trento. “Il tempo e il cervello”.
- October 24, 2019. Rotary Club Venezia Mestre. “Sesso, genere e cervello: tutti diversi, tutti uguali”.
- Dec 6, 2019. Speaker at “Chiamata alle arti e alle scienze”, Rovereto (TN), Italy.
- Jan 29 and Febr 12, 2020. Lectures at Scientific High School “E. Torricelli”, Bolzano, on human brain structure and function.
- March 24 and 31. On line CIMeC lecture series “Che ti passa per la testa – le neuroscienze a casa tua”: The social brain
- March 30, 2020. Interview on Sanbaradio.it radio broadcast “The social brain” (<https://www.sanbaradio.it/content/zetein-02x07-noi-versus-coronavirus>).
- April 24, 2020. Interview on Corriere del Trentino on the effects of social isolation on the brain.
- May 18, 2020. Interview on Radio RAI Friuli-Venezia-Giulia (Trieste, Italy)
- October 14, 2020. Video interview. “UniTrento Stories”, <https://www.unitn.it/unitrentostories>
- Jan 2021. Lectures at High School “Rosmini” (Trento) and “Manzoni (Suzzara, Mantova) on “Sex, gender and the brain”.
- May-June 2021. Science-Theatre Augmented Lecture “Sex, gender and the brain”. Teatro della Meraviglia Festival, 5<sup>th</sup> edition (Trento, Italy)
- September 2021. Lecture “Emotivamente razionali – conoscere il cervello per comunicare la scienza”. Online Summer School “Officina di Narrazione della Scienza (ONSCI)”, University of Bologna, Italy
- November 5, 2021. Radio interview – RAI RadioUNO AltoAdige “Alle sorgenti del sapere”.

## BIBLIOMETRIC PARAMETERS

(updated November 25, 2021; full list of publications at <https://pubmed.ncbi.nlm.nih.gov/?term=bozzi+y&sort=date>)

- 86 peer-reviewed full papers (*indexed in PubMed/Scopus/GoogleScholar; 14 as 1<sup>st</sup> author, 39 as last author, 33 as co-author*)
- 7 book chapters
- 1 book
- 3 technical notes
- 14 science communication papers (*in Italian*)
- 112 abstracts at national and international congresses
- total number of citations: 2652 (Scopus), 3858 (Google Scholar)
- h-index: 29 (Scopus), 34 (Google Scholar)
- i10-index: 65 (Google Scholar)
- total impact factor 380.02
- average impact factor (of 82 articles with IF): 4.63

## LIST of PUBLICATIONS

### Peer-reviewed articles (86)

Indexed in PubMed/Scopus/Google Scholar, with Impact Factor (IF, when available).

1. Luigi Balasco, Marco Pagani, Luca Pangrazzi, Gabriele Chelini, Alessandra Georgette Ciancone Chama, Evgenia Shlosman, Lorenzo Mattioni, Alberto Galbusera, Giuliano Iurilli, Giovanni Provenzano, Alessandro Gozzi, Yuri Bozzi (2021) Somatosensory processing deficits and altered cortico-hippocampal connectivity in Shank3b<sup>-/-</sup> mice. *Cerebral Cortex*, advanced online publication. bhab399, <https://doi.org/10.1093/cercor/bhab399>. IF: 5.043
2. Zerbi V, Pagani M, Markicevic M, Matteoli M, Pozzi D, Fagiolini M, Bozzi Y, Galbusera A, Scattoni ML, Provenzano G, Banerjee A, Helmchen F, Basson MA, Ellegood J, Lerch JP, Rudin M, Gozzi A, Wenderoth N. Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes. *Mol Psychiatry*. 2021 Aug 11. doi: 10.1038/s41380-021-01245-4. IF 12.384
3. Valerio Rubino, Yuri Bozzi (2021) "A new tool to implement gene expression data analysis from the Allen Brain Atlas: a practical outcome of a Developmental Neuroscience Master's class". *Neuroscience* 468 (2021) 377–378. DOI: 10.1016/j.neuroscience.2021.06.015. IF 3.59.
4. Luca Pangrazzi, Luigi Balasco, Yuri Bozzi (2020) "Natural Antioxidants: A Novel Therapeutic Approach to Autism Spectrum Disorders?". *Antioxidants*, IF 6.312
5. Bozzi Y, Fagiolini M (2020) Editorial: Animal Models of Neurodevelopmental Disorders, *Neuroscience Special Issue* [https://www.sciencedirect.com/journal/neuroscience/vol/445/suppl/C\\_pages\\_1-2](https://www.sciencedirect.com/journal/neuroscience/vol/445/suppl/C_pages_1-2). IF 3.59.
6. Canitano R, Bozzi Y and Dhossche D (2020) Editorial: Autism Spectrum Disorders: Developmental Trajectories, Neurobiological Basis, Treatment Update, Volume 2. *Front. Psychiatry* 11:589. doi: 10.3389/fpsy.2020.00589. IF 3.04.
7. Tigani W, Rossi MP, Artimagnella O, Santo M, Rauti R, Sorbo T, Ulloa FPS, Provenzano G, Allegra M, Caleo M, Ballerini L, Bozzi Y, Mallamaci A. Foxg1 upregulation enhances neocortical activity. *Cereb Cortex*. 2020 May 7. pii: bhaa107. doi: 10.1093/cercor/bhaa107. [Epub ahead of print] IF 6.3.
8. Luca Pangrazzi, Luigi Balasco, and Yuri Bozzi (2020) Oxidative stress and immune system dysfunction in autism spectrum disorders. *Int. J. Mol. Sci.* 21, 3288; doi:10.3390/ijms21093288. IF 5.923.
9. Giovanni Provenzano, Angela Gilardoni, Marika Maggia, Mattia Pernigo, Paola Sgadò, Simona Casarosa, Yuri Bozzi (2020) Altered expression of GABAergic markers in the forebrain of young and adult *Engrailed-2* knockout mice. *Genes* 11, 384 doi: 10.3390/genes11040384. IF 4.096.
10. Balasco L, Provenzano G, Bozzi Y (2020) Sensory abnormalities in autism spectrum disorders: a focus on the tactile domain, from genetic mouse models to the clinic. *Front. Psychiatry*, 28 January 2020 <https://doi.org/10.3389/fpsy.2019.01016>. IF 3.36
11. Balasco L, Chelini G, Bozzi Y, Provenzano G (2019) Whisker nuisance test: a valuable tool to assess tactile hypersensitivity in mice. *Bio-protocol* <https://bio-protocol.org/e3331>. IF not available.
12. Xuwen Zhang, Ilaria Piano, Andrea Messina, Vanessa D'Antongiovanni, Fabiana Crò, Giovanni Provenzano, Yuri Bozzi, Claudia Gargini, Simona Casarosa (2019) Retinal defects in mice lacking the autism-associated gene *Engrailed-2*. *Neuroscience* 408: 177–190. IF 3.02.
13. Gabriele Chelini, Valerio Zerbi, Luca Cimino, Andrea Grigoli, Marija Markicevic, Francesco Libera, Sergio Robbiati, Mattia Gadler, Silvia Bronzoni, Silvia Miorelli, Alberto Galbusera, Alessandro Gozzi, Simona Casarosa, Giovanni Provenzano, Yuri Bozzi (2019) Aberrant somatosensory processing and connectivity in mice lacking *Engrailed-2*. *J Neurosci*. 39(8):1525-1538. doi: 10.1523/JNEUROSCI.0612-18.2018. IF 5.971.
14. Boschian C, Messina A, Bozza A, Catellini ME, Provenzano G, Bozzi Y, Casarosa S (2018) Impaired neuronal differentiation of neural stem cells lacking the *Engrailed-2* gene. *Neuroscience*, 10.1016/j.neuroscience.2018.06.032 (Cover image). IF 3.382.
15. Soltani A, Lebrun S, Carpentier G, Zunino G, Chantepie S, Maïza A, Bozzi Y, Desnos C, Darchen F, Stettler O. Increased signaling by the autism-related *Engrailed-2* protein enhances dendritic branching and spine density, alters synaptic structural matching, and exaggerates protein synthesis. *PLoS One*. 2017 Aug 15;12(8):e0181350. doi: 10.1371/journal.pone.0181350. IF 2.806.
16. Cerri C, Caleo M, Bozzi Y (2017) Chemokines as new inflammatory players in the pathogenesis of epilepsy. *Epilepsy Research* 2017 Jul 27;136:77-83. doi: 10.1016/j.eplepsyres.2017.07.016. IF 2.367.

17. Canitano R., Bozzi Y (2017) Editorial: Autism Spectrum Disorders: developmental trajectories, neurobiological basis, treatment update. *Front. Psychiatry*, 13 July 2017 | <https://doi.org/10.3389/fpsy.2017.00125>. IF 3.04.
18. Aronica E, Bauer S, Bozzi Y, Caleo M, Dingledine R, Gorter J, Henshall D, Kaufer D, Koh S, Löscher W, Louboutin J-P, Mishto M, Norwood B, Palma E, Poulter M, Terrone G, Vezzani A, Kaminski R (2017) "Neuroinflammatory targets and treatments for epilepsy validated in experimental models". *Epilepsia*. 2017 Jul;58 Suppl 3:27-38. doi: 10.1111/epi.13783. IF 5.295.
19. Bozzi Y, Provenzano G, Casarosa S (2017) Neurobiological bases of autism-epilepsy comorbidity: a focus on excitation/inhibition imbalance. *Eur J Neurosci* (Special issue "Neurobiological bases of autism spectrum disorders") doi: 10.1111/ejn.13595. IF 2.975.
20. Provenzano G, Chelini G., Bozzi Y (2016) Genetic control of social behaviour: lessons from mutant mice. *Behav Brain Res*. 2016 Nov 4. pii: S0166-4328(16)31002-6. doi: 10.1016/j.bbr.2016.11.005. IF 3.002.
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22. Messina A., Bridi S., Bozza A., Bozzi Y., Baudet M.L., Casarosa S. (2016) Noggin 1 overexpression in differentiating retinoblasts affects bipolar cell generation. *Int J Dev Biol*. 2016;60(4-6):151-7. doi: 10.1387/ijdb.150402am. IF 1.903.
23. Bozzi Y., Caleo M. (2016) Epilepsy, seizures and inflammation: role of the C-C motif ligand 2 chemokine. *DNA Cell Biol*. 2016 May 11. [Epub ahead of print] DOI: 10.1089/dna.2016.3345. IF 2.055.
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35. Curatolo P, Ben-Ari Y, Bozzi Y, Catania MV, D'Angelo E, Mapelli L, Oberman LM, Rosenmund C and Cherubini E (2014). Synapses as therapeutic targets for Autism Spectrum Disorders: an International Symposium held in Pavia on July 4th, 2014. *Front. Cell. Neurosci.* 8:309. doi: 10.3389/fncel.2014.00309. IF 4.2.
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63. Antonucci F, Di Garbo A, Novelli E, Manno I, Sartucci F, Bozzi Y\*, Caleo M\* (2008) Botulinum neurotoxin E (BoNT/E) reduces CA1 neuron loss and granule cell dispersion, with no effects on chronic seizures, in a mouse model of temporal lobe epilepsy. *Exp Neurol*. 210:388-401 (\*equal contribution as senior authors). IF 3.974.
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71. Costantin L\*, Bozzi Y\*, Richichi C, Viegi A, Antonucci F, Funicello M, Gobbi M, Mennini T, Rossetto O, Montecucco C, Maffei L, Vezzani A, Caleo M (2005) Antiepileptic effects of botulinum neurotoxin E. *J Neurosci*. 25:1943-51 (\*equal contribution as first authors). IF 7.506.
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83. Saiardi A, Bozzi Y, Baik JH, Borrelli E (1997) Antiproliferative role of dopamine: loss of D2 receptors causes hormonal dysfunction and pituitary hyperplasia. *Neuron* 19:115-26. IF 16.782.
84. Picetti R, Saiardi A, Abdel Samad T, Bozzi Y, Baik JH, Borrelli E (1997) Dopamine D2 receptors in signal transduction and behavior. *Crit Rev Neurobiol* 11:121-42. IF 5.074.
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86. Bozzi Y, Pizzorusso T, Cremisi F, Rossi FM, Barsacchi G, Maffei L (1995) Monocular deprivation decreases the expression of messenger RNA for brain-derived neurotrophic factor in the rat visual cortex. *Neuroscience* 69:1133-44. IF 3.924.

#### **Books (1)**

1. Bozzi Y (1996) A study on the activity-dependent expression of neurotrophic factors in the rat visual system. Ph.D Thesis in Neurobiology, Scuola Normale Superiore, Pisa. Ed. Scuola Normale, Pisa.

#### **Book chapters (7)**

1. Bozzi Y, Maddaloni G, Pasqualetti M (2020) Serotonin in seizures and epilepsy: a neurodevelopmental perspective. In: *Handbook of Behavioral Neuroscience Volume 31*, pages 981-988 (Handbook of the Behavioral Neurobiology of Serotonin, 2<sup>nd</sup> edition; Muller C, Cunningham K, eds), Academic Press, Elsevier, Amsterdam. ISBN: 9780444641250.
2. Genovesi S, Provenzano G, Dunleavy M, Sgadò P, Bozzi Y (2011) GABAergic Dysfunction in Autism and Epilepsy, *Autism - A Neurodevelopmental Journey from Genes to Behaviour*, Valsamma Eapen (Ed.), ISBN: 978-953-307-493-1, InTech, Available from: <http://www.intechopen.com/articles/show/title/gabaergic-dysfunction-in-autism-and-epilepsy>
3. Tripathi PP, Sgadò P, Corsini GU, Simeone A, Bozzi Y (2009) Developmental basis of seizure susceptibility: a focus on dopaminergic and serotonergic systems. *Curr Trends Neurology*, 3, 93-101.
4. Bozzi Y, Tripathi PP, Simeone A (2009) Developmental basis of epilepsy and seizure susceptibility: role of Otx genes. In: *Mariani Foundation Paediatric Neurology Series – XX*, Genetics of epilepsy and genetic epilepsies (Avanzini G and Noebels J, eds), pp 167-174 London-Paris: John Libbey Eurotext.
5. Bozzi Y (2001) Un approccio molecolare allo studio del sistema visivo: animali transgenici. In: "Fisiopatologia del sistema visivo", p. 54-59. Ed. A. Fiorentini, L. Maffei. Primula Edizioni.
6. Courvoisier H, Bozzi Y, Borrelli E (1999) Dopamine et fonctions hypophysaires. Résumé de la Journée Albert Netter, p. 35-42. Ed. Société Européenne de Gynécologie.
7. Bozzi Y, Borrelli E (1998) The physiological role of dopamine D2 receptors. In: "Dopamine Receptor Subtypes: from Basic Science to Clinical Application", p. 105-117. Ed. P. Jenner, R. Demirdamar. IOS Press, Amsterdam.

#### **Technical papers and notes (3)**

1. Messina A, Dunleavy M, Sgadò P, Adami V, Bozzi Y, Casarosa S (2012) Region-specific gene expression in adult mouse CNS tissues. Leica Laser Microdissection Short Application Note, February 2012.
2. Messina A, Dunleavy M, Sgadò P, Adami V, Bozzi Y, Casarosa S (2012) Region-specific gene expression in adult mouse CNS tissues. Leica Science Lab website. <http://www.leica-microsystems.com/science-lab/laser-microdissection/region-specific-gene-expression-in-adult-mouse-cns-tissues/>
3. Messina A, Dunleavy M, Sgadò P, Adami V, Bozzi Y, Casarosa S (2012) Region-specific gene expression in adult mouse CNS tissues: Specification of the Microdissection Procedure. G.I.T. Laboratory Journal 7-8/2012, pag2-3.

**Science communication articles on Italian journals/newsletters (14)**

1. Bozzi Y. (2019) Una rete di ricerca trentina sull'autismo. UniTrentoMag, 25 febbraio 2019. <https://webmagazine.unitn.it/ricerca/56008/una-rete-di-ricerca-trentina-sull-autismo>
2. Bozzi Y. (2017) "Cosa sappiamo dell'autismo". Trentino/Alto Adige newspapers, 25 agosto 2017
3. Bozzi Y. (2016). "Un nuovo meccanismo nell'insorgenza dell'epilessia". UniTrentoMag, Giugno 2016, <http://webmagazine.unitn.it/ricerca/10432/lo-sviluppo-di-nuove-terapie-contro-l-epilessia>
4. Bozzi Y. (2015). Alla ricerca del ricordo perduto. UniTrentoMag, 19 maggio 2015. <http://webmagazine.unitn.it/ricerca/5393/alla-ricerca-del-ricordo-perduto>
5. Bozzi Y. (2014) Olimpiadi delle Neuroscienze 2014. UniTrentOrienta, Maggio 2014.
6. Bozzi Y. (2013) Olimpiadi delle Neuroscienze 2013. UniTrento Magazine, Maggio 2013.
7. Casarosa S, Bozzi Y (2012) La prima scuola estiva in Trentino dedicata alle cellule staminali neurali. Giornale di UniTN, Trento.
8. Bozzi Y (2006) 1906-2006: cento anni di grandi scoperte nel campo delle neuroscienze. Naturalmente anno 19, n.4, pag.15-21.
9. Bozzi Y, Caleo M (2005) Effetto antiepilettico della tossina botulinica. Epilepsy News Dic. 2005, p. 4.
10. Bozzi Y (2005) Un approccio evolutivo allo studio del cervello: la teoria del "darwinismo neurale". Atti della Scuola Estiva A.N.I.S.N. 2004 "Evoluzione tra ricerca e didattica", collana "Le Scienze Naturali nella Scuola" - bollettino A.N.I.S.N, anno XIV maggio 2005, pag. 101-107 (ed. Stamperia Editoriale Pisana).
11. Bozzi Y, Caleo M, Costantin L (2005) Una tossina per l'epilessia. Il Neurofoglio, anno 8, n. 1, giugno 2005, pag 10-11.
12. Bozzi Y (2003) Dalla magia alla medicina moderna: storia dell'epilessia dall'antichità ai nostri giorni. Naturalmente anno 16, n. 4, pag. 26-30.
13. Bozzi Y (2002) Come salvare i neuroni. Le Scienze (italian ed. of Scientific American), 404, 62-67.
14. Bozzi Y (2002) Fattori genetici che regolano lo sviluppo del sistema nervoso centrale. Atti della Scuola Estiva ANISN in Neurobiologia, Collana "Le Scienze Naturali nella Scuola", ed. ANISN.



# CURRICULUM VITAE



## PERSONAL INFORMATION

Name

**Tommaso Pecchia**

E-mail

## WORK EXPERIENCE

- Date **07.2013 –**
- Name and address of the employer  
University of Trento, Via Calepina 14
- Occupation or position held  
Technician at the CIMeC Centre for Mind/Brain Sciences, Rovereto  
7.2013 – 5.2014 Corso Bettini 31  
5.2014 – Piazza Manifattura 1, 38068 Rovereto
- Main activity and responsibilities
  - Laboratory planning, cooperating with professors, designers and engineers, to define the main organization of spaces and facilities.
  - Laboratory realization (procurement procedures of both furniture and laboratory equipment).
  - Laboratory management (Consumable material supply; Scheduling and conclusion of maintenance intervention contracts; Basic maintenance of laboratory equipment; Inventory - particularly for current laboratory needs, but also in relation to chemical risk, cooperating with relevant departments; Access policy management on both physical spaces and digital supports; Webmaster of the [ABC research group website](#); Laboratory mailing lists and calendars updates).
  - Technical support on research (Identification of needs and appropriate solution on the market, both autonomously and in cooperation with colleagues among the technical Staff; Design and realization of custom apparatus for behavioral observations);
  - Promotion of efficient tools for good laboratory practices; technical development of the lab, in close cooperation with the IT staff.
  
- Date **04.2009 – 06.2013**
- Name and address of the employer  
CIMeC Centre for Mind Brain Sciences, University of Trento, ACN Laboratory  
Corso Bettini 31, 38068 Rovereto (TN)
- Occupation or position held  
Post-doctoral fellowship
  
- Date **02.2013 – 05.2013**
- Name and address of the employer  
Dept. of Psychology, University of Trento, Corso Bettini 31, 38068 Rovereto (TN)
- Occupation or position held  
(20 h) Temporary Adjunct Professor (Bachelor degree class entitled "Introduction to Neuroscience" – M-PSI/01 - Psychological Science Course)
  
- Date **02.2006 – 04.2009**
- Name and address of the employer  
Dept. of Psychology, University of Trieste, Via S. Anastasio n°12
- Occupation or position held  
Doctoral Fellowship
  
- Date **03.2006 – 03.2010**
- Name and address of the employer  
Consortium Nettuno, Corso Vittorio Emanuele II 39, 00186, Roma
- Occupation or position held  
Tutor

- Main activity and responsibilities
  - Educational support and Examiner for Biology and Psychological physiology (Batchelor degree class in Psychology)
  
- Dates **1.07.2006 – 10.2008**
- Name and address of the employer  
Dept. of Psychology, University of Trieste, Via S. Anastasio n°12
- Occupation or position held  
Web-Master of TACS - a web-site inspired by the Boston Neurotalks  
<http://tacs.psico.units.it/>
- Main activity and responsibilities
  - Notify members for seminars, lectures and events organized in Trieste concerning Cognitive Neuroscience
  - Web-site updating
  - Users administration
  
- Dates **02.2006 – 07.2007**
- Name and address of the employer  
Dept. of Psychology, University of Trieste, Via S. Anastasio n°12
- Occupation or position held  
Tutor
- Main activity and responsibilities
  - Temporary lecturer
  - Teaching, tutoring and research supervision of undergradate students
  
- Date **8.2005 – 9.2005**
- Name and address of the employer  
Dept. of Psychology, University of Trieste, Via S. Anastasio n°12
- Occupation or position held  
Dept. of Ethology, Ecology and Evolution of the University of Pisa.
- Main activity and responsibilities
  - Research planning in homing pigeons
  - Data collection in naturalistic settings
  - GPS technology

## EDUCATIONAL AND TRAINING EXPERIENCE

- Date **02.04.2009**
- Title of qualification awarded  
Ph.D. degree, with the Thesis entitled: "Basic tools for navigation: use of landmarks in the Domestic chicks (*Gallus gallus*)"
- Name and type of organization providing education and training  
Dept. of Psychology, University of Trieste, Via S. Anastasio n°12
  
- Date **22.11.2004**
- Title of qualification awarded  
Degree in Psychology (106/110), with the Thesis entitled: "Asimmetrie funzionali del sistema olfattivo nel Colombo viaggiatore: effetti di lesioni unilaterali alla corteccia piriforme e di occlusioni unilaterali del recettore olfattivo sulle prestazioni navigazionali"
- Name and type of organization providing education and training  
University of Trieste, Psychology, V. S. Anastasio 12, Trieste
  
- Date **06.08.2006 – 06.10.2006**
- Name and type of organization providing education and training  
Laboratory of Animal Behaviour and Intelligence, Department of Biology, Faculty of Science, Hokkaido University, Japan
  - Single unit recording in vivo
  - Surgical technique
  - Brain fixation and staining

• Date **03.2006**

Tommaso Pecchia

- Name and type of organisation providing education and training  
  - Principal subjects Zeiss
  - Date Digital photography in microscopy
- Name and type of organisation providing education and training  
  - Principal subjects 03.2006
  - Date Introduction to lab-view
- Name and type of organisation providing education and training  
  - Principal subjects 03.2006
  - Date Nikon
  - Date Digital photography in microscopy
- Title of qualification awarded 05.03.2016
- Name and type of organization providing education and training Driver / guardian license of living animals in accordance with CE 1/2005  
Breeder Associations (AAFVG) and Carrier Association (FAI) of Friuli Venezia-Giulia

MOTHER TONGUE ITALIAN

OTHER LANGUAGE ENGLISH

OTHER SKILLS Program languages: Matlab®, C, C++, Genuino™ - Arduino®

I devised a computer controlled Operant Chamber specifically designed to investigate visual discrimination abilities in birds and other vertebrate species (see below a publication based on this technology Chiandetti C. *et al* 2014). Other software competences: Spike2 (Single Unit recording applications), Ethovision (Behavioural applications), ZEN-Pro (Bright-field and Dark-field Microscope applications, Zeiss)

## SCIENTIFIC PUBLICATIONS

- Selected Posters:
- Pecchia T.**, Iezzi F., Gagliardo A., Vallortigara G. (2012). Hippocampal lesions do not prevent geometry-based learning in homing pigeons under conditions that facilitates an egocentered strategy for spatial reorientation. COGEVO, Rovereto workshop on cognition and evolution, Rovereto, June 28-1, 2012.
  - Chiandetti C., **Pecchia T.** Hierarchical stimuli and lateralization in Domestic chick. Kanisza Lecture, Trieste, October 23-24, 2009.
  - Pecchia T.**, Vallortigara G. Evidence for a view matching strategy of orientation in the domestic chick (*Gallus gallus*). 31<sup>st</sup> International Ethological Conference, Rennes, August 19-24, 2009.
  - Pecchia T.** Basic tools for navigation: use of landmarks in the Domestic chick (*Gallus gallus*). COGEVO, Rovereto workshop on cognition and evolution, Rovereto, June 11-13, 2009.
  - Pecchia T.**, Vallortigara G. Reorienting strategies of the domestic chick in a rectangular array of landmark. Spatial Cognition VI, Freiburg, September 15-19, 2008.
  - Pecchia T.**, Castellan C., Della Chiesa A., Vallortigara G. Effects of metric transformations of an array of local landmarks on the orientation strategies of the domestic chick. 39th EBBS Annual General Meeting, Trieste, September 15-19, 2007
  - Pecchia T.**, Gagliardo A., Ialè P., Odetti F., Savini M., Vallortigara G. Olfactory Lateralization in Homing Pigeons: Navigational Performance after Unilateral Treatment to the Olfactory System. 5thFENS forum, Vienna, July 8-12, 2006.

- Della Chiesa, A., Speranza, M., **Pecchia, T.**, Rollo, B., Tommasi, L., Vallortigara, G. (2004). Orientamento spaziale basato su geometria e landmark nel pulcino domestico. 21° Convegno Nazionale della Società Italiana di Etologia, Padova, 15-17 Settembre 2004, Riassunti delle Comunicazioni, pp. 39. Cleup: Padova.
- Communications: **Pecchia T.** Invited speaker at Behaviour 2013, a joint meeting of the 33rd International Ethological Conference (IEC) and the Association for the Study of Animal Behaviour (ASAB). Title of the symposium: "Comparative cognition: shared and unique solutions for spatial behaviour". Organizer: Antoine Wystrach. 4 - 8 August 2013 - The Sage Gateshead, Newcastle Gateshead, UK.
- Pecchia T.**, Gagliardo A., loale' P., Vallortigara G. Olfactory lateralization in homing pigeons: navigational performance after unilateral treatments on the olfactory system. Evolution and development of cognitive, behavioural and neural lateralization meeting, Chieti, May 31 – June 1 2007.
- Pecchia T.**, Gagliardo A., loale' P., Matsushima T., Vallortigara G. Olfactory lateralization in homing pigeons: navigational performance after unilateral treatments on the olfactory system. Zoological meeting of Japan, Matsue, September 22-24 2006.
- Pecchia T.**, loalè P., Odetti F., Savini M., Vallortigara G., Gagliardo A. Prestazioni navigazionali di colombi rilasciati con una narice occlusa. XXII Congresso Nazionale S.I.E, Erice, 18-22 Settembre 2006.
- Peer reviewed full-length papers: Mayer, U., **Pecchia, T.**, Bingman, V.P., Flore, M., Vallortigara, G. (2016) Hippocampus and medial striatum dissociation during goal navigation by geometry and features in the domestic chick: an immediate early gene study. *Hippocampus* 26, 27-40.
- Chiandetti, C., **Pecchia, T.**, Patt, F., Vallortigara, G. (2014) Visual hierarchical processing and lateralization of cognitive functions through domestic chick's eyes. *PLoS ONE* 9(1): e84435.
- Pecchia, T.**, Vallortigara, G. (2012) Spatial reorientation by geometry with freestanding objects and extended surfaces: a unifying view. *Proceedings of the Royal Society B: Biological Sciences*. 279, 2228-2236.
- Tommasi, L., Chiandetti, C., **Pecchia, T.**, Sovrano, A., Vallortigara, G. (2012) From natural geometry to spatial cognition. *Neuroscience and Biobehavioral Reviews*. 36, 799-824.
- Pecchia, T.**, Gagliardo, A., Vallortigara, G. (2011) Stable panoramic views facilitate snap-shot like memories for spatial reorientation in homing pigeons. *PLoS ONE* 6(7): e22657.
- Gagliardo, A., Filannino, C., loalè, P., **Pecchia, T.**, Wikelski, M., Vallortigara, G. (2011) Olfactory lateralization in homing pigeons: a GPS study on birds released with unilateral olfactory inputs. *The Journal of Experimental Biology* 214, 593-598.
- Pecchia, T.**, Vallortigara, G. (2010) View-based strategy for reorientation by geometry. *The Journal of Experimental Biology* 213, 2987-2996.
- Pecchia, T.**, Vallortigara, G. (2010) Re-orienting strategies in a rectangular array of landmarks by domestic chicks (*Gallus gallus*). *Journal of Comparative Psychology* 124, 147–158.
- Gagliardo, A., **Pecchia, T.**, Savini, M., Odetti, F., loalè, P., Vallortigara, G. (2007) Olfactory lateralization in homing pigeons: initial orientation of birds receiving a unilateral olfactory input. *European Journal of Neuroscience* 25, 1511-1516.
- Della Chiesa A., **Pecchia T.**, Tommasi L., Vallortigara G. (2006) Multiple landmarks, the encoding of environmental geometry and the spatial logics of a dual brain. *Animal Cognition*; 9, 281-293.
- Gagliardo A., Odetti F., loalè P., **Pecchia T.**, Vallortigara G. (2005) Functional asymmetry of left and right avian piriform cortex in homing pigeons' navigation. *European Journal of Neuroscience* 22, 189-194.
- Peer-reviewed chapters of books: **Pecchia, T.**, Filannino, C., Gagliardo, A., loalè, P., Vallortigara, G. (2012) Navigating through an asymmetrical brain: lateralization and homing in pigeon. In: Behavioural lateralization in vertebrates: two sides of the same coin. (Eds: Csermely D., Regolin L.). Springer

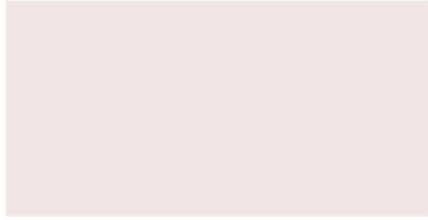
- Reviewer for: *Developmental Psychology*, a scientific journal publishing seminal contribution on development across the life span.
- Reviewer ad hoc for: AIP congress (Italian Association of Psychology), Sassari, September 18-24 2005  
*Laterality*, a scientific journal publishing research on the psychological, behavioural and neurological aspects of lateralization
- General Public Talks: Invited speaker at the 57th Neuroscience Café, a series of encounters organized by the B.R.A.I.N Centre for Neuroscience, University of Trieste
- Collaborations: Anna Gagliardo, Dept. of Biology, University of Pisa, Italy (lateralization, homing)  
Verner Peter Bingman, Dept. of Psychology, Bowling Green State University, Ohio, USA (IEG expression in small scale spatial tasks)  
Cinzia Chiandetti, Dept. of Life Sciences, University of Trieste

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base al GDPR Regolamento UE

679/016

## INFORMAZIONI PERSONALI

Mazzeo Ilaria

ESPERIENZA  
PROFESSIONALE09/06/2016–alla data  
attuale

Tecnico di laboratorio presso la Model Organism Facility – sezione acquatici –  
Università degli Studi di Trento, Trento (Italia)

- Gestione delle colonie di organismi acquatici (*Xenopus laevis*, *Danio rerio*, *Oryzias latipes* e *Nothobranchius furzerii*) usati a fini di ricerca
- Produzione di embrioni con accoppiamento naturale o *in vitro*
- Mantenimento delle colonie

- Manutenzione dei sistemi di stabulazione
- Gestione del materiale dello stabulario
- Redazione delle corrette procedure di manipolazione degli animali
- Formazione di nuovi utenti della sezione acquatici dello stabulario

07/01/2013–24/05/2016

Tecnico di supporto presso la Model Organism Facility - sezione acquatici  
Università degli Studi di Trento, Trento (Italia)

- Gestione delle colonie di organismi acquatici (*Xenopus laevis*, *Danio rerio*, *Oryzias latipes* e *Nothobranchius furzerii*) usati a fini di ricerca
- Produzione di embrioni con accoppiamento naturale o *in vitro*
- Mantenimento delle colonie

- Manutenzione dei sistemi di stabulazione
- Gestione del materiale dello stabulario
- Redazione delle corrette procedure di manipolazione degli animali
- Formazione di nuovi utenti della sezione acquatici dello stabulario

13/09/2021 - 28/02/2022

Supporto alla didattica all'interno del corso di Biologia degli Organismi  
Università degli Studi di Trento, Trento (Italia)

Ideazione, realizzazione e gestione delle attività di laboratorio per gli studenti (16 ore)

19/09/2020 - 31/01/2021

Supporto alla didattica all'interno del corso di Biologia degli Organismi  
Università degli Studi di Trento, Trento (Italia)

Ideazione, realizzazione e gestione delle attività di laboratorio per gli studenti (16 ore)

09/2019–02/2020

Supporto alla didattica all'interno del corso di Biologia degli Organismi  
Università degli Studi di Trento, Trento (Italia)

Ideazione, realizzazione e gestione delle attività di laboratorio per gli studenti (16 ore)

09/2018–02/2019

Supporto alla didattica all'interno del corso di Biologia degli Organismi  
Università degli Studi di Trento, Trento (Italia)

Ideazione, realizzazione e gestione delle attività di laboratorio per gli studenti (16 ore)

09/2017–02/2018 Supporto alla didattica all'interno del corso di Biologia degli Organismi  
Università degli Studi di Trento, Trento (Italia)

Ideazione, realizzazione e gestione delle attività di laboratorio per gli studenti (32 ore)

09/2016–02/2017 Supporto alla didattica all'interno del corso di Biologia degli Organismi  
CIBIO- Università degli Studi di Trento, Trento (Italia)

Ideazione, realizzazione e gestione delle attività di laboratorio per gli studenti (32 ore)

09/2015–02/2016 Supporto alla didattica all'interno del corso di Biologia degli Organismi  
CIBIO - Università degli Studi di Trento, Trento (Italia)

Ideazione, organizzazione e gestione dei laboratori per gli studenti (32 ore)

09/2014–02/2015 Supporto alla didattica all'interno del corso di Biologia degli organismi  
CIBIO - Università degli Studi di Trento, Trento (Italia)

Ideazione, organizzazione e gestione dei laboratori per gli studenti (32 ore)

04/2014–06/2014 Supporto alla didattica all'interno del Percorso Abilitante Speciale  
CIBIO – Università degli Studi di Trento, Trento (Italia)

Ideazione, organizzazione e gestione dei laboratori per gli studenti (21 ore)

01/06/2010–31/05/2012 Tecnico in formazione

Universitat Politecnica de Valencia, Valencia (Spagna)

- Biologia molecolare (estrazione di RNA e DNA), clonaggi, sequenziamento, sintesi di cDNA, PCR, qPCR)

- Manutenzione di Anguilla europea; stimolazione ormonale di Anguilla europea finalizzata alla maturazione gonadale; studi dei parametri indicanti la maturazione sessuale.

- Analisi della composizione della carne di Anguilla europea e orata

## ISTRUZIONE E FORMAZIONE

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2008–2014 Dottorato di ricerca

Universitat Politecnica de Valencia, Valencia (Spagna)

Dottorato di ricerca con la tesi 'Effect of thermal regime on the expression of key reproductive genes during hormonally-induced vitellogenesis in female European eels' – voto 10/10 con lode

23 febbraio 2022

Partecipazione al Webinar 'Focus on Fish: practical refinements for fishes in research and testing'

RSPCA - UK

2021

Specie acquatiche nella ricerca scientifica: *Xenopus Laevis*, Cefalopodi - aspetti gestionali e sperimentali (6 ore)

Fondazione Iniziative Zooprofilattiche e Zootecniche

2021 Corso FAD - Specie acquatiche nella ricerca scientifica: controllo dell'ambiente acquatico e allevamento di Zebrafish (7 ore)

Fondazione Iniziative Zooprofilattiche e Zootecniche

2021 Corso FAD - Elementi base per l'approccio dei ricercatori all'utilizzo degli animali a fini scientifici (13 ECM)

IZSLER

2021 Corso FAD – Corso base sull'utilizzo di organismi acquatici a fini scientifici (10 ECM)

IZSLER

2021 Corso FAD – Zebrafish come organism modello: approcci sperimentali in vitro e in vivo nella ricerca scientifica (4 ECM)

IZSLER

Luglio 2020 Partecipazione al Webinar COVID-19 Pandemic & laboratory animal science: management of facilities, ethics and welfare. Good practices and lessons for the future

IZS Teramo

Ottobre 2019 Corso FELASA – Zebrafish, Xenopus, Topo

Universidad Autonoma de Barcelona

Corso per le funzioni a, b, c e d previste per il personale che lavora con animali da laboratorio

12-20/03/2019 Staff training all'interno del programma Erasmus+

University of Crete (Grecia)

Tecniche di studio di indici ormonali e comportamentali per la valutazione dello stress in pesci

30/10/2018

29- Partecipazione allo 'Zebrafish Facility Management Workshop'

Champalimaud Foundation, Lisbona (Portogallo)

Management della facility di zebrafish



Metodi di allevamento, gestione dati, organizzazione del lavoro, monitoraggi sanitari

- 05-07/06/2018 Partecipazione al 'Pathology of Laboratory Animals in Biomedical Research Module II: Pathology of Fish'  
Leiden University Medical Center, Leiden (Paesi Bassi)  
Allevamento  
Maggiori patologie virali, batteriche e parassitarie degli organismi acquatici  
Disruttori endocrini  
Prevenzione e monitoraggi sanitari  
Sessione pratica: necropsia, diagnosi, preparazione di vetrini per l'osservazione in fresco, osservazione di preparati istologici
- 27/03/2017–10/04/2017 Staff training all'interno del programma Erasmus+  
KIT, Karlsruhe (Germania)  
Tecniche di criopreservazione di sperma e fecondazione *in vitro* di zebrafish
- 09/03/2017 Partecipazione al 'Workshop on euthanasia for zebrafish - A matter of welfare and science'  
KIT, Karlsruhe (Germania)  
Metodi di anestesia ed eutanasia in pesci, in particolare zebrafish: comparazione tra metodi, ambiti di applicazione e loro limiti  
Corretta applicazione dei metodi di anestesia/eutanasia  
Valutazione del benessere degli animali durante anestesia/eutanasia
- 03/03/2017 Redazione dei progetti sperimentali e la loro valutazione: teoria e pratica  
IZSLER, Brescia (Italia)
- 02–03/02/2017 I meeting italiano sul modello animale zebrafish  
Università degli Studi di Padova, Padova (Italia)
- 11–12/10/2016 Corso '3Rs in the Management of Animal Facilities'  
Institute of Animal Technology, Roma (Italia)
- 10-11/10/2016 Corso 'Modelli animali e modelli alternativi: quale futuro per la ricerca?'  
AISAL, Roma (Italia)
- 19–22/10/2015 International Zebrafish and Medaka Course  
KIT, Karlsruhe (Germania)  
Corso finalizzato alla conoscenza della biologia di zebrafish e medaka, loro gestione e utilizzo in ambito di ricerca.
- 08/10/2015 Corso 'Modelli animali nella ricerca preclinica, aspetti scientifici, regolatori e tecnologie applicate'  
Tecniplast, Buguggiate (VA) (Italia)

- 06/–10/10/2014 12 th Transgenic Technology Meeting and workshop ‘ An Introduction to Zebrafish Transgenesis’  
International Society for Transgenic Technology, Edimburgo (Regno Unito)  
Utilizzo di animali transgenici nella ricerca
- 06–07/07/2015 Home Office Licensee Training: Fish  
Charles River, Londra (Regno Unito)
- 15/05/2015 Corso 'Monitoraggio sanitario: modelli acquatici ed altre specie'  
IZSLER, Brescia (Italia)
- 27/06/2014 Convegno ‘Riflessioni, Risvolti e Risposte: 3R per comprendere il DLgs 26/2014’  
AISAL, Roma (Italia)
- 04/04/2014–15/04/2014 Corso Cell & Developmental Biology of Xenopus  
Cold Spring Harbor, Long Island (NY) (Stati Uniti d'America)
- 01/10/2013–04/10/2013 2nd Annual International Zebrafish Husbandry Course  
Tecniplast, Buguggiate (VA) (Italia)
- 2012–2012 Personale responsabile del disegno sperimentale e direzione di procedure sperimentali con animali, categoria C.  
Universidad de Valencia, Valencia (Spagna)
- 02/2011–11/2011 Ricercatore ospite  
Dipartimento di Scienze della Vita, Università Politecnica delle Marche, Ancona (Italia)  
Studio dei recettori di melatonina in Anguilla europea
- 02/2010–07/2010 Ricercatore ospite  
Norwegian School of Veterinary Science, Oslo (Norvegia)  
Studio delle proteine della zona radiata in Anguilla europea; sequenziamento e analisi della variazione nell'espressione genica mediante qPCR
- 2007–2008 Master Interuniversitario in Acquacoltura  
Universidad Politecnica de Valencia, Valencia (Spagna)  
Voto finale 8.3/10
- 2004–2006 Laurea magistrale in Scienze biologiche  
Università degli Studi di Roma3, Roma (Italia)  
Laurea magistrale in Scienze biologiche, indirizzo ecologico.  
Voto finale 110/110 e lode

2002–2003 Esperienza di studio all'estero all'interno del programma Erasmus  
 Universidad de Valencia, Valencia (Spagna)  
 Durata dell'Erasmus: 6 mesi

2000–2003 Laurea triennale in Scienze biologiche  
 Università degli Studi di Roma3, Roma (Italia)  
 Laurea triennale in Scienze biologiche, indirizzo ecologico.  
 Voto finale 110/110 e lode

## COMPETENZE PERSONALI

Lingua madre italiano

### Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
inglese	B2	C1	B2	B2	B2
spagnolo	C2	C2	C2	C2	C2
DELE superiore					

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato  
 Quadro Comune Europeo di Riferimento delle Lingue

Competenze comunicative Buone capacità comunicative e di presentazione per esperienza acquisita grazie alla partecipazione a congressi

Competenze organizzative e gestionali Buone capacità organizzative del proprio lavoro, sia autonomo che in gruppo; capacità di redigere dettagliate procedure di lavoro; lavorare con gli altri in spazi di comuni mi ha insegnato l'importanza di una corretta condivisione degli spazi e degli strumenti

Competenze professionali

- Mantenimento di sistemi di stabulazione per organismi acquatici
- Stesura di protocolli e procedure
- Gestione di colonie di acquatici
- Abilitazione all' esercizio della professione di biologo (2006) e iscrizione all'albo professionale (2007)

## Competenze digitali

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente base	Utente base	Utente base

Competenze digitali - Scheda per l'autovalutazione

Buona conoscenza dei programmi Office™ (Word™, Excel™, PowerPoint™);

Navigazione in Internet e gestione della casella di posta elettronica

Patente di guida B

Autorizzo il trattamento dei miei dati personali presenti nel cv ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e del GDPR (Regolamento UE 2016/679).