

PERSONAL INFORMATION

Elena Bresciani



JOB EXPERIENCE

01/11/2001–Present

Pharmacology laboratory Technician, Grade EP2 (Elevated Professionality), School of Medicine and Surgery, University of Milan Bicocca

Research tasks

Design, planning, coordination and execution of advanced basic, preclinical and translational pharmacological research (in collaboration with San Gerardo Hospital, Division of Infectious disease and Cardiosurgery unit)

Consultant for Pharmaceutical companies (Aeterna Zentaris, Italfarmaco) for pharmacological research activity

Supervision of medicine, biology, biotechnology, pharmacy, CTF students and PhD students during the thesis period; revision of thesis manuscripts

Attending to national and international scientific meetings

Submission of scientific papers to international peer-reviewed journals (I'm author and/or co-author of 31 paper published on international peer- reviewed journals)

Referee of scientific papers

Submission of proposal of national and international research projects

01/06/2008–Present

Management of the laboratory purchase

Master tasks

Planning, documents submission and management of II level Master in Preclinical and Clinical Development of Drugs, University of Milan Bicocca.

Stage and job management of master students and alumni of the master.

Management of contacts with Pharmaceutical Companies, Medical Devices Producers Companies, Contract Research Organizations, Hospital Clinical Research Centers, Ethics Committee, AICRO (Associazione Italiana Contract Research Organizations) and SiMEF (Società Italiana di Medicina Farmaceutica).

Assessment and reassessment of master as Centre of Excellence by Pharmatrain Federation.

TEACHING EXPERIENCE

01/11/2014–Present

Teaching to the Master in Preclinical and Clinical Research and Drug Development (winner of calls published by University of Milan Bicocca); clinical studies and

01/11/2013–Present

Pharmacovigilance lessons for Medicine and Surgery students (University of Milan Bicocca) (winner of call of Department of Medicine and Surgery)

01/11/2009–Present Endocrinology lessons in Physiology course at ICOM (I and II year)
Pharmacology lessons at ICOM (IV year)

01/11/2006–Present Pharmacology lessons for Medicine and Surgery students (University of Milan Bicocca)

OTHER

June 2019–Present Member of City Council of Pozzuolo Martesana
01/06/2014–May 2019 Public instruction and Culture council member of Pozzuolo Martesana

01/01/2001–Present Collaboration with several publishing companies for the translation of pharmacology, physiology and medical disciplines books from english to Italian (McGraw Hill, Zanichelli, Casa Editrice Ambrosiana, Elsevier)

01/01/2008–31/12/2014 Member of CDA of Ge.Fa s.r.l.

01/07/2004–Present Officer to the Local Emergency Service Team of the Department of Medicine and Surgery
Officer to the Local Fire Prevention and Protection Team of the Department of Medicine and Surgery

20/06//2005–Present Officer to the Local Emergency Service Team of the Department of Medicine and Surgery

10/12/2015–Present BLS operator (AREU)

From 2013 to present Specialisation courses in **Clinical Research**.
Immunoterapia antitumorale e terapia genica: regole e sperimentazione (Milano, 4/11/2013), Fondazione Tettamanti-Ospedale San Gerardo Monza (MB)
Le sfumature della ricerca clinica in Italia (Milano, 12/11/2015), AICRO
Advancing competent professionals in Medicine development (Roma, 10-11/06/2015), IFAPP, SSFA, PharmaTrain
Terapie Avanzate:pratica clinica e qualità nella produzione (Milano, 26/10/2015), Fondazione Tettamanti-Ospedale San Gerardo Monza (MB)
Gli studi di farmacogenetica: a cosa servono e qual è il loro rilievo? (Milano, 18/10/2018), SiMef

EDUCATION AND TRAINING

11/01/2002 PhD in Pharmacology and Toxicology (XIII course, from 01/11/1997 to 31/10/2001, University of Milan)

25/01/1999 Qualifying examination on Biology (University of Milan)

20/04/1999–30/06/1999 PhD student at the University of Virginia (USA) at the “Department of Internal Medicin”, Charlottesville, VA, USA.

17/07/1997 Master degree in Biological Sciences, University of Milan, 107/110

13/07/1990 High School Diploma (Liceo Classico Arnaldo, Brescia), 45/60

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

UNDERSTANDING	SPEAKING	WRITING

	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills - Excellent team working skills acquired during my work experience in the pharmacology lab, my experience as member of CDA of Gefa s.r.l. and during my political assignment as Public Instruction and Culture assessor.
 - Ability to adapt to multicultural environments.
 - Good aptitude to manual works

Organisational / managerial skills - Good team-leading skills acquired during my work experience and during coaching of several students.

Computer skills - Good command in the use of Windows and Macintosh operative systems. Office. MS Word, Excel, Power Point, Genomics expression, GraphPad Prism, Sigma plot, Adobe Reader and Acrobat, Endnote, Image-J.

Hobby - Reading, travelling, basketball, pilates, running, cooking.

- I am a sociable and responsible person, I am fond about Education, Politics and Business.

Driver license Type B



03/06/2020

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.

PUBLICATIONS

- Losurdo M, Pedrazzoli M, D'Agostino C, Elia CA, Massenzio F, Lonati E, Mauri M, Rizzi L, Molteni L, Bresciani E, Dander E, D'Amico G, Bulbarelli A, Torsello A, Matteoli M, Buffelli M, Coco S. Intranasal delivery of mesenchymal stem cell- derived extracellular vesicles exerts immunomodulatory and neuroprotective effects in a 3xTg model of Alzheimer's disease. *Stem Cells Transl Med.* 2020 Jun 4. doi: 10.1002/sctm.19-0327. Epub ahead of print. PMID: 32496649.
- Conte E, Bresciani E, Rizzi L, Cappellari O, De Luca A, Torsello A, Liantonio A. Cisplatin-Induced Skeletal Muscle Dysfunction: Mechanisms and Counteracting Therapeutic Strategies. *Int J Mol Sci.* 2020 Feb 13;21(4):1242. doi: 10.3390/ijms21041242. PMID: 32069876; PMCID: PMC7072891.
- Bresciani E, Possenti R, Coco S, Rizzi L, Meanti R, Molteni L, Locatelli V, Torsello A. TLQP-21, A VGF-Derived Peptide Endowed of Endocrine and Extraendocrine Properties: Focus on In Vitro Calcium Signaling. *Int J Mol Sci.* 2019 Dec 24;21(1):130. doi: 10.3390/ijms21010130. PMID: 31878142; PMCID:PMC6982260.
- Bresciani E, Rizzi L, Coco S, Molteni L, Meanti R, Locatelli V, Torsello A. Growth Hormone Secretagogues and the Regulation of Calcium Signaling in Muscle. *Int J Mol Sci.* 2019 Sep 5;20(18):4361. doi: 10.3390/ijms20184361. PMID: 31491959; PMCID: PMC6769538.
- Molteni L, Rizzi L, Bresciani E, Meanti R, Fehrentz JA, Verdié P, OmeljaniukRJ, Biagini G, Locatelli V, Torsello A. STIM Proteins and Orai Ca²⁺ Channels Are Involved in the Intracellular Pathways Activated by TLQP-21 in RAW264.7

- Macrophages. *Front Pharmacol.* 2018 Nov 27;9:1386. doi: 10.3389/fphar.2018.01386. PMID: 30542288; PMCID: PMC6277904.
6. Bresciani E, Saletti C.E., Squillace N, Rizzi L, Molteni L, Meanti R, Omeljaniuk R, Biagini G, Gori A, Locatelli V, Torsello A. miRNA-218 Targets Lipin-1 and Glucose Transporter Type 4 Genes in 3T3-L1 Cells Treated With Lopinavir/Ritonavir. *Front Pharmacol.* Apr 2019; 10:1 DOI: 10.3389/fphar.2019.00461.
 7. Zambelli V, Sigurtà A, Rizzi L, Zucca L, Delvecchio P, Bresciani E, Torsello A, Bellani G. Angiotensin-(1-7) exerts a protective action in a rat model of ventilator-induced diaphragmatic dysfunction. *Intensive Care Med Exp.* 2019 Jan 18;7(1):8. doi: 10.1186/s40635-018-0218-x. PubMed PMID: 30659381; PubMed Central PMCID: PMC6338614.
 8. Molteni L, Rizzi L, Bresciani E, Meanti R, Fehrentz JA, Verdié P, Omeljaniuk RJ, Biagini G, Locatelli V, Torsello A. STIM Proteins and Orai Ca(2+) Channels Are Involved in the Intracellular Pathways Activated by TLQP-21 in RAW264.7 Macrophages. *Front Pharmacol.* 2018 Nov 27;9:1386. doi: 10.3389/fphar.2018.01386. eCollection 2018. PubMed PMID: 30542288; PubMed Central PMCID: PMC6277904.
 9. Turolla EA, Valtorta S, Bresciani E, Fehrentz JA, Giuliano L, Stucchi S, Belloli S, Rainone P, Sudati F, Rizzi L, Molteni L, Verdié P, Martinez J, Torsello A, Moresco RM, Todde S. Study of the Tissue Distribution of TLQP-21 in Mice Using [(18)F]JMV5763, a Radiolabeled Analog Prepared via [(18)F]Aluminum Fluoride Chelation Chemistry. *Front Pharmacol.* 2018 Nov 13;9:1274. doi: 10.3389/fphar.2018.01274. eCollection 2018. PubMed PMID: 30542281; PubMed Central PMCID: PMC6277862.
 10. Molteni L, Rizzi L, Bresciani E, Possenti R, Petrocchi Passeri P, Ghè C, Muccioli G, Fehrentz JA, Verdié P, Martinez J, Omeljaniuk RJ, Biagini G, Binda A, Rivolta I, Locatelli V, Torsello A. Pharmacological and Biochemical Characterization of TLQP-21 Activation of a Binding Site on CHO Cells. *Front Pharmacol.* 2017 Mar 30;8:167. doi: 10.3389/fphar.2017.00167. eCollection 2017. PubMed PMID: 28424618; PubMed Central PMCID: PMC5371653.
 11. Conte E, Camerino GM, Mele A, De Bellis M, Pierno S, Rana F, Fonzino A, Caloiero R, Rizzi L, Bresciani E, Ben Haj Salah K, Fehrentz JA, Martinez J, Giustino A, Marigiò MA, Coluccia M, Tricarico D, Lograno MD, De Luca A, Torsello A, Conte D, Liantonio A. Growth hormone secretagogues prevent dysregulation of skeletal muscle calcium homeostasis in a rat model of cisplatin-induced cachexia. *J Cachexia Sarcopenia Muscle.* 2017 Jun;8(3):386-404. doi: 10.1002/jcsm.12185. Epub 2017 Mar 10. PubMed PMID: 28294567; PubMed Central PMCID: PMC5703021.
 12. Rivolta I, Binda A, Molteni L, Rizzi L, Bresciani E, Possenti R, Fehrentz JA, Verdié P, Martinez J, Omeljaniuk RJ, Locatelli V, Torsello A. JMV5656, A Novel Derivative of TLQP-21, Triggers the Activation of a Calcium-Dependent Potassium Outward Current in Microglial Cells. *Front Cell Neurosci.* 2017 Feb 23;11:41. doi: 10.3389/fncel.2017.00041. eCollection 2017. PubMed PMID: 28280458; PubMed Central PMCID: PMC5322282.
 13. Bresciani E, Rizzi L, Molteni L, Ravelli M, Liantonio A, Ben Haj Salah K, Fehrentz JA, Martinez J, Omeljaniuk RJ, Biagini G, Locatelli V, Torsello A. JMV2894, a novel growth hormone secretagogue, accelerates body mass recovery in an experimental model of cachexia. *Endocrine.* 2017 Oct;58(1):106-114. doi: 10.1007/s12020-016-1184-2. Epub 2016 Nov 28. PubMed PMID: 27896546.
 14. Bigoni M, Turati M, Sacerdote P, Gaddi D, Piatti M, Castelnuovo A, Franchi S, Gandolla M, Pedrocchi A, Omeljaniuk RJ, Bresciani E, Locatelli V, Torsello A. Characterization of synovial fluid cytokine profiles in chronic meniscal tear of the knee. *J Orthop Res.* 2017 Feb;35(2):340-346. doi: 10.1002/jor.23272. Epub 2016 May 2. PubMed PMID: 27107410.
 15. Squillace N, Bresciani E, Torsello A, Bandera A, Sabbatini F, Giovannetti C, Giunta G, Rovati L, Del Bene M, Locatelli V, Gori A. Changes in subcutaneous adipose tissue microRNA expression in HIV-infected patients. *J Antimicrob Chemother.* 2014 Nov;69(11):3067-75. doi: 10.1093/jac/dku264. Epub 2014 Jul 25. PubMed PMID: 25063777.
 16. Cassina V, Torsello A, Tempestini A, Salerno D, Brogioli D, Tamiazzo L, Bresciani E, Martinez J, Fehrentz J, Verdie P, Omeljaniuk R, Possenti R, Rizzi L, Locatelli V, Mantegazza F (2013). Biophysical characterization of a binding site for TLQP-21, a naturally occurring peptide which induces resistance to obesity. *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*, vol. 1828, p. 455-460, ISSN: 0005-2736, doi: 10.1016/j.bbamem.
 17. Lucchi C, Curia G, Vinet J, Gualtieri F, Bresciani E, Locatelli V, Torsello A, Biagini G. Protective but not anticonvulsant effects of ghrelin and JMV-1843 in the pilocarpine model of Status epilepticus. *PLoS One.* 2013 Aug 28;8(8):e72716. doi:

- 10.1371/journal.pone.0072716. eCollection 2013. PubMed PMID: 24015271; PubMed Central PMCID: PMC3755992.
18. Bigoni M, Sacerdote P, Turati M, Franchi S, Gandolla M, Gaddi D, Moretti S, Munegato D, Augusti CA, Bresciani E, Omeljaniuk RJ, Locatelli V, Torsello A. Acute and late changes in intraarticular cytokine levels following anterior cruciate ligament injury. *J Orthop Res*. 2013 Feb;31(2):315-21. doi: 10.1002/jor.22208. Epub 2012 Aug 6. PubMed PMID: 22886741.
 19. Torsello A, Bresciani E, Ravelli M, Rizzi L, Bulgarelli I, Ricci G, Ghiazza B, Del Puppo M, Mainini V, Omeljaniuk RJ, Tamiazzo L, Mancia G, Magni F, Locatelli V. Novel domain-selective ACE-inhibiting activity of synthetic growth hormone secretagogues. *Pharmacol Res*. 2012 Oct;66(4):317-24. doi: 10.1016/j.phrs.2012.06.006. Epub 2012 Jun 23. PubMed PMID: 22732396.
 20. Biagini G, Torsello A, Marinelli C, Gualtieri F, Vezzali R, Coco S, Bresciani E, Locatelli V. Beneficial effects of desacyl-ghrelin, hexarelin and EP-80317 in models of status epilepticus. *Eur J Pharmacol*. 2011 Nov 16;670(1):130-6. doi: 10.1016/j.ejphar.2011.08.020. Epub 2011 Sep 2. PubMed PMID: 21914437.
 21. Possenti R, Muccioli G, Petrocchi P, Cero C, Cabassi A, Vulchanova L, Riedl MS, Manieri M, Frontini A, Giordano A, Cinti S, Govoni P, Graiani G, Quaini F, Ghè C, Bresciani E, Bulgarelli I, Torsello A, Locatelli V, Sanghez V, Larsen BD, Petersen JS, Palanza P, Parmigiani S, Moles A, Levi A, Bartolomucci A. Characterization of a novel peripheral pro-lipolytic mechanism in mice: role of VGF-derived peptide TLQP-21. *Biochem J*. 2012 Jan 1;441(1):511-22. doi: 10.1042/BJ20111165. PubMed PMID: 21880012.
 22. Bulgarelli I, Tamiazzo L, Bresciani E, Rapetti D, Caporali S, Lattuada D, Locatelli V, Torsello A. Desacyl-ghrelin and synthetic GH-secretagogues modulate the production of inflammatory cytokines in mouse microglia cells stimulated by beta-amyloid fibrils. *J Neurosci Res*. 2009 Sep;87(12):2718-27. doi: 10.1002/jnr.22088. PubMed PMID: 19382238.
 23. Bartolomucci A, Bresciani E, Bulgarelli I, Rigamonti AE, Pascucci T, Levi A, Possenti R, Torsello A, Locatelli V, Muller EE, Moles A. Chronic intracerebroventricular injection of TLQP-21 prevents high fat diet induced weight gain in fast weight-gaining mice. *Genes Nutr*. 2009 Mar;4(1):49-57. doi: 10.1007/s12263-009-0110-0. Epub 2009 Feb 27. PubMed PMID: 19247701; PubMed Central PMCID: PMC2654049.
 24. Bresciani E, Tamiazzo L, Torsello A, Bulgarelli I, Rapetti D, Caporali S, Perrissoud D, Moulin A, Fehrentz JA, Martinez J, Locatelli V. Ghrelin control of GH secretion and feeding behaviour: the role of the GHS-R1a receptor studied in vivo and in vitro using novel non-peptide ligands. *Eat Weight Disord*. 2008 Sep;13(3):e67-74. PubMed PMID: 19011367.
 25. Bresciani E, Pitsikas N, Tamiazzo L, Luoni M, Bulgarelli I, Cocchi D, Locatelli V, Torsello A. Feeding behavior during long-term hexarelin administration in young and old rats. *J Endocrinol Invest*. 2008 Jul;31(7):647-52. PubMed PMID: 18787385.
 26. Torsello A, Brambilla F, Tamiazzo L, Bulgarelli I, Rapetti D, Bresciani E, Locatelli V. Central dysregulations in the control of energy homeostasis and endocrine alterations in anorexia and bulimia nervosa. *J Endocrinol Invest*. 2007 Dec;30(11):962-76. Review. PubMed PMID: 18250619.
 27. Sibilia V, Bresciani E, Lattuada N, Rapetti D, Locatelli V, De Luca V, Donà F, Netti C, Torsello A, Guidobono F. Intracerebroventricular acute and chronic administration of obestatin minimally affect food intake but not weight gain in the rat. *J Endocrinol Invest*. 2006 Dec;29(11):RC31-4. PubMed PMID: 17259788.
 28. Bresciani E, Rapetti D, Donà F, Bulgarelli I, Tamiazzo L, Locatelli V, Torsello A. Obestatin inhibits feeding but does not modulate GH and corticosterone secretion in the rat. *J Endocrinol Invest*. 2006 Sep;29(8):RC16-8. PubMed PMID: 17033254.
 29. Bartolomucci A, La Corte G, Possenti R, Locatelli V, Rigamonti AE, Torsello A, Bresciani E, Bulgarelli I, Rizzi R, Pavone F, D'Amato FR, Severini C, Mignogna G, Giorgi A, Schininà ME, Elia G, Brancia C, Ferri GL, Conti R, Ciani B, Pascucci T, Dell'Omo G, Muller EE, Levi A, Moles A. TLQP-21, a VGF-derived peptide, increases energy expenditure and prevents the early phase of diet-induced obesity. *Proc Natl Acad Sci U S A*. 2006 Sep 26;103(39):14584-9. Epub 2006 Sep 18. PubMed PMID: 16983076; PubMed Central PMCID: PMC1600003.

30. Locatelli V, Bresciani E, Bulgarelli I, Rapetti D, Torsello A, Rindi G, Sibilia V, Netti C. Ghrelin in gastroenteric pathophysiology. *J Endocrinol Invest*. 2005 Oct;28(9):843-8. Review. PubMed PMID: 16370568.
31. Bresciani E, Nass R, Torsello A, Gaylinn B, Avallone R, Locatelli V, Thorner MO, Müller EE. Hexarelin modulates the expression of growth hormone secretagogue receptor type 1a mRNA at hypothalamic and pituitary sites. *Neuroendocrinology*. 2004;80(1):52-9. Epub 2004 Sep 10. PubMed PMID: 15361691.
32. Torsello A, Bresciani E, Rossoni G, Avallone R, Tulipano G, Cocchi D, Bulgarelli I, Deghenghi R, Berti F, Locatelli V. Ghrelin plays a minor role in the physiological control of cardiac function in the rat. *Endocrinology*. 2003 May;144(5):1787-92. PubMed PMID: 12697684.
33. Torsello A, Scibona B, Leo G, Bresciani E, Avallone R, Bulgarelli I, Luoni M, Zoli M, Rindi G, Cocchi D, Locatelli V. Ontogeny and tissue-specific regulation of ghrelin mRNA expression suggest that ghrelin is primarily involved in the control of extraendocrine functions in the rat. *Neuroendocrinology*. 2003 Feb;77(2):91-9. PubMed PMID: 12624530.
34. Torsello A, Bresciani E, Avallone R, Locatelli V. [Ghrelin and GH secretion]. *Minerva Endocrinol*. 2002 Dec;27(4):257-64. Italian. PubMed PMID: 12511848.
35. Torsello A, Ghe' C, Bresciani E, Catapano F, Ghigo E, Deghenghi R, Locatelli V, Muccioli G. Short ghrelin peptides neither displace ghrelin binding in vitro nor stimulate GH release in vivo. *Endocrinology*. 2002 May;143(5):1968-71. PubMed PMID: 11956180.
36. Torsello A, Luoni M, Schweiger F, Grilli R, Guidi M, Bresciani E, Deghenghi R, Müller EE, Locatelli V. Novel hexarelin analogs stimulate feeding in the rat through a mechanism not involving growth hormone release. *Eur J Pharmacol*. 1998 Nov 6;360(2-3):123-9. PubMed PMID: 9851578.