

INFORMAZIONI PERSONALI

Alessandro Ieraci

POSIZIONE RICOPERTA

Ricercatore a tempo determinato (RTDA)

 ESPERIENZA
PROFESSIONALE

Feb 2022 -	Ricercatore a tempo determinato (RTDA) in Fisiologia Dipartimento di Scienze Farmaceutiche, Università degli studi di Milano, Milano
Ott 2018 – Gen 2022	Professore a contratto in Biochimica Clinica Università eCampus, Novedrate (CO).
Ago 2018 – Gen 2021	Tecnologo II Livello Dipartimento di Scienze Farmacologiche e Biomolecolari prima, poi Dipartimento di Scienze Farmaceutiche, Università degli studi di Milano, Milano.
Giu 2017 – Lug 2018	Tecnico a tempo determinato Dipartimento di Scienze Farmacologiche e Biomolecolari, Università degli studi di Milano, Milano.
Giu 2012 – Mag 2017	Assegnista di Ricerca (Tipo B) Dipartimento di Scienze Farmacologiche e Biomolecolari, Università degli studi di Milano, Milano. Laboratorio del Prof. M. Popoli
Giu 2011 – Mag 2012	Assegnista di Ricerca (Tipo B) Dipartimento di Scienze Farmacologiche, Università degli studi di Milano, Milano. Laboratorio della Prof.ssa E. Cattaneo
Gen 2011 – Apr 2011	Collaboratore a progetto Dipartimento di Scienze Farmacologiche, Università degli studi di Milano, Milano. Laboratorio della Prof.ssa E. Cattaneo
Nov 2007 – Gen 2011	Ricercatore Newron Pharmaceuticals SpA; Bresso (MI)
Dic 2006 – Nov 2007	Ricercatore post-doc Istituto San Raffaele Telethon per la Terapia Genica, (HSR-TIGET), Milano Laboratorio della Dott.ssa A. Gritti
Set 2002 – Dic 2006	Ricercatore post-doc Department of Psychiatry WMC of Cornell University, New York, NY, USA Laboratorio del Prof. DG Herrera
Gen 2002 – Lug 2002	Borsista short-term Telethon Dipartimento di Anatomia, Farmacologia e Medicina Legale, Università degli Studi di Torino. Laboratorio della Prof.ssa C. Ponzetto
Nov 2001 – Dic 2001	Borsista EMBO short term INSERM Unit 382 Development and Pathology of the Spinal Motoneuron, Marseille, France. Laboratorio del Dott. F. Maina
Feb 2001 – Ott 2001	PhD visiting student INSERM Unit 382 Development and Pathology of the Spinal Motoneuron, Marseille, France. Laboratorio del Dott. F. Maina
Nov 1997 – Ott 2001	Dottorato di Ricerca Dipartimento di Anatomia, Farmacologia e Medicina Legale, Università degli Studi di Torino. Laboratorio della Prof.ssa C. Ponzetto
Mar 1997 – Nov 1997	Ricercatore volontario

Dipartimento di Anatomia, Farmacologia e Medicina Legale, Università degli Studi di Torino.

Laboratorio della Prof.ssa C. Ponzetto

Mar 1994 – Mar 1997

Tesista di Laurea

Dipartimento di Biologia Animale, Università degli Studi di Torino

Laboratorio della Prof.ssa Isabelle Perroteau

ISTRUZIONE E FORMAZIONE

28 Giugno 2002

Dottorato di Ricerca in Medicina Molecolare

Università degli Studi del Piemonte Orientale "Amedeo Avogadro", Novara.

2000

Esame di Stato per l'abilitazione alla Professione di Biologo

Università degli Studi di Torino

5 Marzo 1997

Laurea Magistrale in Scienze Biologiche

Università degli Studi di Torino.

COMPETENZE PERSONALI

Lingua madre

Italiano

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C1	C1	C1	C1	C1
Francese	A1	A2	A1	A1	A1

Competenze comunicative

- Buone capacità comunicative e relazionali sviluppate in ambito universitario e aziendale durante congressi scientifici in Italia e all'estero.
- Buone capacità di insegnamento sviluppato in ambito accademico durante lezioni frontali e telematiche.

Competenze organizzative e gestionali

- Buone capacità di gestire e organizzare un gruppo di lavoro.
- Ottime capacità organizzative e metodologiche nell'ambito dell'attività di ricerca.
- Buone capacità di gestire collaborazioni nazionali e internazionali.

Competenze professionali

- **Test Comportamentali:** open field, murble burying, elevated plus maze, novelty suppressed feeding, tail suspension, fear conditional, Morris water maze, Y maze, object recognition and object placement, pre-pulse inhibition, splash test, sucrose preference test, rotarod test, pole test, rearing-climbing test, grip strength, hanging test.
- **Biologia molecolare e biochimica:** estrazione DNA, RNA da tessuti e da cellule; estrazione totale e frazionamento subcellulare di proteine da tessuti e da cellule; dosaggi proteici, dosaggi enzimatici, saggi ELISA, RT-PCR e Real Time PCR, SDS-Page elettroforesi, Western blot; Chromatin Immunoprecipitation, Southern blot, Clonaggi, Sequenziamento.
- **Manipolazione di animali:** gestione di modelli murini di invecchiamento precoce (Samp78 e SamR1); gestione di colonie murine geneticamente modificate; paradigmi di stress (restraint stress, social isolation, social defeat, forced swimming stress); paradigmi di esercizio fisico; trattamenti farmacologici su topo e ratto (i.p.; s.c.; p.o.; i.c.v.), perfusione intracardiaca, prelievo di tessuti cerebrali e periferici; prelievo di embrioni.
- **Istologia:** Immunoistochimica, immunofluorescenza, colorazioni ematossilina/eosina, colorazioni cresyl violet, perfusione, inclusione in OCT, paraffina, taglio al vibratomo, criostato e microtomo,

ibridizzazione in situ e ibridizzazione whole mount in situ, colorazione Tunnel, colorazione Golgi-Cox; Microscopia ottica, fluorescente e confocale.

- **Culture Cellulare:** Culture cellulari primarie da ippocampo, cervelletto, corteccia, neurospere, linee cellulari, cellule staminali neuronali, trasfezioni, MTT test.

ULTERIORI INFORMAZIONI

Pubblicazioni

Autore/co-autore di 39 articoli scientifici pubblicati su riviste internazionali peer-reviewed (IF totale: 251,223; IF medio:6,61). Totale citazioni: 2366; h-index: 18 (scopus).

1. Sbai O, Djelloul M, Auletta A, **Ieraci A**, Vascotto C, and Perrone L. RAGE-TXNIP axis drives inflammation in Alzheimer's by targeting A β to mitochondria in microglia" Cell Death and Diseases in press (**IF: 8.469**)
2. Carini G, Mingardi J, Bolzetta F, Cester A, Bolner A, Nordera G, La Via L, **Ieraci A**, Russo I, Maggi S, Calza S, Popoli M, Veronese N, Musazzi L, Barbon A. miRNome Profiling Detects miR-101-3p and miR-142-5p as Putative Blood Biomarkers of Frailty Syndrome. Genes (Basel). 2022 Jan 26;13(2):231. doi: 10.3390/genes13020231. PMID: 35205276. (**IF: 4,096**)
3. Sandrini L, Amadio P, **Ieraci A**, Malara A, Werba JP, Soprano PM, Balduini A, Zarà M, Bonomi A, Veglia F, Colombo GI, Popoli M, Lee FS, Tremoli E, Barbieri SS. The α_2 -adrenergic receptor pathway modulating depression influences the risk of arterial thrombosis associated with BDNFVal66Met polymorphism. Biomed Pharmacother. 2021 Dec 26;146:112557. doi: 10.1016/j.biopha.2021.112557. Epub ahead of print. PMID: 34965503. (**IF: 6.529**)
4. Carini G, Musazzi L, Bolzetta F, Cester A, Fiorentini C, **Ieraci A**, Maggi S, Popoli M, Veronese N, Barbon A. The Potential Role of miRNAs in Cognitive Frailty. Front Aging Neurosci. 2021 Nov 12;13:763110. doi: 10.3389/fnagi.2021.763110. PMID: 34867290; PMCID: PMC8632944. (**IF:5.75**)
5. Barbieri SS, Sandrini L, Musazzi L, Popoli M, **Ieraci A***. Apocynin Prevents Anxiety-Like Behavior and Histone Deacetylases Overexpression Induced by Sub-Chronic Stress in Mice. *Biomolecules*. 2021 Jun 15;11(6):885. doi: 10.3390/biom11060885. PMID: 34203655; PMCID: PMC8232084. *Corresponding author. (**IF:4.879**)
6. Sandrini L, **Ieraci A**, Amadio P, Zarà M, Barbieri SS. Impact of Acute and Chronic Stress on Thrombosis in Healthy Individuals and Cardiovascular Disease Patients. *Int J Mol Sci*. 2020 Oct 22;21(21):E7818. doi: 10.3390/ijms21217818. PMID: 33105629. (**IF:5.923**)
7. Amadio P, Zarà M, Sandrini L, **Ieraci A**, Barbieri SS. Depression and Cardiovascular Disease: The Viewpoint of Platelets. *Int J Mol Sci*. 2020 Oct 13;21(20):7560. doi: 10.3390/ijms21207560. PMID: 33066277; PMCID: PMC7589256. (**IF:5.923**)
8. **Ieraci A***, Beggiato S, Ferraro L, Barbieri SS, Popoli M. Kynurenine pathway is altered in BDNF Val66Met knock-in mice: Effect of physical exercise. *Brain Behav Immun*. 2020 Oct;89:440-450. doi: 10.1016/j.bbi.2020.07.031. Epub 2020 Jul 26. PMID: 32726686. *Corresponding author. (**IF:7.217**)
9. **Ieraci A***, Barbieri SS, Macchi C, Amadio P, Sandrini L, Magni P, Popoli M, Ruscica M. (2020) BDNF Val66Met polymorphism alters food intake and hypothalamic BDNF expression in mice. *J Cell Physiol*. 2020 Dec;235(12):9667-9675. doi: 10.1002/jcp.29778. PMID: 32430940. *Corresponding author. (**IF: 6.384**)
10. Beggiato S, **Ieraci A**, Tomasini MC, Schwarcz R, Ferraro L. (2020) Prenatal THC exposure raises kynurenic acid levels in the prefrontal cortex of adult rats. *Prog Neuropsychopharmacol Biol Psychiatry*. Jun 8;100:109883. doi:10.1016/j.pnpbp.2020.109883. PubMed PMID:32032697. (**IF: 5.067**)
11. **Ieraci A***, Herrera DG. (2020) Early Postnatal Ethanol Exposure in Mice Induces Sex-Dependent Memory Impairment and Reduction of Hippocampal NMDA-R2B Expression in Adulthood. *Neuroscience*. Dec 23;427:105-115. doi: 10.1016/j.neuroscience.2019.11.045. [Epub ahead of print] PubMed PMID: 31874240. *Corresponding author. (**IF: 3.69**).
12. Sandrini L, **Ieraci A**, Amadio P, Zarà M, Mitro N, Lee FS, Tremoli E, Barbieri SS. (2019) Physical Exercise Affects Adipose Tissue Profile and Prevents Arterial Thrombosis in BDNF Val66Met Mice. *Cells*. Aug 11;8(8). pii: E875. doi: 10.3390/cells8080875. PubMed PMID: 31405230; PubMed Central PMCID: PMC6721716. (**IF: 4,366**)
13. Tornese P, Sala N, Bonini D, Bonifacino T, La Via L, Milanese M, Treccani G, Seguini M, **Ieraci A**, Mingardi J, Nyengaard JR, Calza S, Bonanno G, Wegener G, Barbon A, Popoli M, Musazzi L. (2019) Chronic mild stress induces anhedonic behavior and changes in glutamate release, BDNF trafficking and dendrite morphology only in stress vulnerable rats. The rapid restorative action of ketamine. *Neurobiol Stress*. Apr 2;10:100160. doi: 10.1016/j.ynstr.2019.100160. eCollection

- 2019 Feb. PubMed PMID: 31193464; PubMed Central PMCID: PMC6535630. (IF: 7.197)
14. Sandrini L, **leraci A**, Amadio P, Veglia F, Popoli M, Lee FS, Tremoli E, Barbieri SS. (2018) Sub-Chronic Stress Exacerbates the Pro-Thrombotic Phenotype in BDNF(Val/Met) Mice: Gene-Environment Interaction in the Modulation of Arterial Thrombosis. **Int J Mol Sci**. Oct 19;19(10). pii: E3235. doi:10.3390/ijms19103235. PubMed PMID: 30347685; PubMed Central PMCID: PMC6214083. (IF: 4.183)
 15. Mallei A*, **leraci A**[✉], Popoli M. (2019) Chronic social defeat stress differentially regulates the expression of BDNF transcripts and epigenetic modifying enzymes in susceptible and resilient mice. **World J Biol Psychiatry**. Sep;20(7):555-566. doi: 10.1080/15622975.2018.1500029. Epub 2018 Sep 19. PubMed PMID: 30058429. *Equally contributed; [✉]Corresponding author. (IF: 4.164).
 16. Mallei A*, **leraci A***, Corna S, Tardito D, Lee FS, Popoli M. (2018) Global epigenetic analysis of BDNF Val66Met mice hippocampus reveals changes in dendrite and spine remodeling genes. **Hippocampus**. Nov;28(11):783-795. doi: 10.1002/hipo.22991. PubMed PMID: 30067287. *Equally contributed (IF: 3.267)
 17. Sandrini L, Di Minno A, Amadio P, **leraci A**, Tremoli E, Barbieri SS. (2018) Association between Obesity and Circulating Brain-Derived Neurotrophic Factor (BDNF) Levels: Systematic Review of Literature and Meta-Analysis. **Int J Mol Sci**. Aug 3;19(8). pii: E2281. doi: 10.3390/ijms19082281. Review. PubMed PMID:30081509; PubMed Central PMCID: PMC6121551. (IF: 4.183)
 18. **leraci A***, Herrera DG. (2018) Nicotinamide Inhibits Ethanol-Induced Caspase-3 and PARP-1 Over-activation and Subsequent Neurodegeneration in the Developing Mouse Cerebellum. **Cerebellum**. Jun;17(3):326-335. doi: 10.1007/s12311-017-0916-z. PubMed PMID: 29327278. *Corresponding author. (IF: 3.413)
 19. Sandrini L, **leraci A**, Amadio P, Popoli M, Tremoli E, Barbieri SS. (2017) Apocynin Prevents Abnormal Megakaryopoiesis and Platelet Activation Induced by Chronic Stress. **Oxid Med Cell Longev**. 2017:9258937. doi: 10.1155/2017/9258937. Epub 2017 Nov 28. PubMed PMID: 29317986; PubMed Central PMCID: PMC5727790. (IF: 4.936)
 20. Amadio P, Sandrini L, **leraci A**, Tremoli E, Barbieri SS. (2017) Effect of Clotting Duration and Temperature on BDNF Measurement in Human Serum. **Int J Mol Sci**. Sep 15;18(9). pii: E1987. doi: 10.3390/ijms18091987. PubMed PMID: 28914800; PubMed Central PMCID: PMC5618636. (IF: 3.687)
 21. Amadio P, Colombo GI, Tarantino E, Gianellini S, **leraci A**, Brioschi M, Banfi C, Werba JP, Parolari A, Lee FS, Tremoli E, Barbieri SS. (2017) BDNF Val66met polymorphism: a potential bridge between depression and thrombosis. **Eur Heart J**. May 7;38(18):1426-1435. doi: 10.1093/eurheartj/ehv655. PubMed PMID:26705390; PubMed Central PMCID: PMC6251610. (IF: 23.425)
 22. **leraci A***, Madaio AI, Mallei A, Lee FS, Popoli M. (2016) Brain-Derived Neurotrophic Factor Val66Met Human Polymorphism Impairs the Beneficial Exercise-Induced Neurobiological Changes in Mice. **Neuropsychopharmacology**. Dec;41(13):3070-3079. doi: 10.1038/npp.2016.120. Epub 2016 Jul 8. PubMed PMID: 27388329; PubMed Central PMCID: PMC5101555. *Corresponding author. (IF: 6.404).
 23. **leraci A***, Mallei A, Popoli M. (2016) Social Isolation Stress Induces Anxious-Depressive-Like Behavior and Alterations of Neuroplasticity-Related Genes in Adult Male Mice. **Neural Plast**. 2016:6212983. doi: 10.1155/2016/6212983. Epub 2016 Jan 6. PubMed PMID: 26881124; PubMed Central PMCID: PMC4736811. *Corresponding author. (IF: 3.054).
 24. Mallei A, Baj G, **leraci A**, Corna S, Musazzi L, Lee FS, Tongiorgi E, Popoli M. (2015) Expression and Dendritic Trafficking of BDNF-6 Splice Variant are Impaired in Knock-In Mice Carrying Human BDNF Val66Met Polymorphism. **Int J Neuropsychopharmacol**. Jun 24;18(12). pii: pyv069. doi: 10.1093/ijnp/pyv069. PubMed PMID: 26108221; PubMed Central PMCID: PMC4675980. (IF: 4.333).
 25. **leraci A***, Mallei A, Musazzi L, Popoli M. (2015) Physical exercise and acute restraint stress differentially modulate hippocampal brain-derived neurotrophic factor transcripts and epigenetic mechanisms in mice. **Hippocampus**. Nov;25(11):1380-92. doi: 10.1002/hipo.22458. Epub 2015 Apr 15. PubMed PMID:25820928. *Corresponding author. (IF: 4.074).
 26. Musazzi L, Rimland JM, **leraci A**, Racagni G, Domenici E, Popoli M. (2014) Pharmacological characterization of BDNF promoters I, II and IV reveals thatserotonin and norepinephrine input is sufficient for transcription activation. **Int J Neuropsychopharmacol**. May;17(5):779-91. doi:10.1017/S1461145713001685. Epub 2014 Jan 22. PubMed PMID: 24451568. (IF: 5.264)
 27. Conforti P, Zuccato C, Gaudenzi G, **leraci A**, Camnasio S, Buckley NJ, Mutti C, Cotelli F, Contini A, Cattaneo E. (2013) Binding of the repressor complex REST-mSIN3b by small molecules restores neuronal gene transcription in Huntington's disease models. **J Neurochem**. Oct;127(1):22-35. doi: 10.1111/jnc.12348. Epub 2013 Jul 19. PubMed PMID: 23800350. (IF: 4.244)
 28. Santambrogio S, Ricca A, Maderna C, **leraci A**, Aureli M, Sonnino S, Kulik W, Aimar P, Bonfanti L,

- Martino S, Gritti A. (2012) The galactocerebrosidase enzyme contributes to maintain a functional neurogenic niche during early post-natal CNS development. **Hum Mol Genet.** Nov 1;21(21):4732-50. doi: 10.1093/hmg/ddc313. Epub 2012 Aug 1. PubMed PMID: 22859505. (IF: 7.692)
29. **Ieraci A**, Herrera DG. (2007) Single alcohol exposure in early life damages hippocampal stem/progenitor cells and reduces adult neurogenesis. **Neurobiol Dis.** Jun;26(3):597-605. Epub 2007 Mar 28. doi.org/10.1016/j.nbd.2007.02.011. PubMed PMID: 17490887. (IF: 4.377).
30. Moumen A*, **Ieraci A***, Patané S, Solé C, Comella JX, Dono R, Maina F. (2007) Met signals hepatocyte survival by preventing Fas-triggered FLIP degradation in a PI3k-Akt-dependent manner. **Hepatology.** May;45(5):1210-7. doi.org/10.1002/hep.21604. PubMed PMID:17464994. *Equally contributed. (IF: 10.734).
31. Chen ZY, Jing D, Bath KG, **Ieraci A**, Khan T, Siao CJ, Herrera DG, Toth M, Yang C, McEwen BS, Hempstead BL, Lee FS. (2006) Genetic variant BDNF (Val66Met) polymorphism alters anxiety-related behavior. **Science.** Oct 6;314(5796):140-3. doi: 10.1126/science.1129663. PubMed PMID: 17023662; PubMed Central PMCID: PMC1880880. (IF: 30.028).
32. Herrera DG, **Ieraci A** (2006). Fetal alcohol syndrome and essential fatty acids. Authors' reply. **PLoS Med.** Apr 3(5): e248. doi.org/10.1371/journal.pmed.0030248. (IF: 13.75).
33. **Ieraci A**, Herrera DG. (2006) Nicotinamide protects against ethanol-induced apoptotic neurodegeneration in the developing mouse brain. **PLoS Med.** Apr;3(4):e101. Epub 2006 Feb 21. PubMed PMID: 16478293; PubMed Central PMCID: PMC1370925. (IF: 13.75).
34. Chen ZY, **Ieraci A**, Tanowitz M, Lee FS. (2005) A novel endocytic recycling signal distinguishes biological responses of Trk neurotrophin receptors. **Mol Biol Cell.** Dec;16(12):5761-72. Epub 2005 Oct 5. doi.org/10.1091/mbc.e05-07-0651. PubMed PMID: 16207814; PubMed Central PMCID: PMC1289419. (IF: 6.52).
35. Chen ZY, **Ieraci A**, Teng H, Dall H, Meng CX, Herrera DG, Nykjaer A, Hempstead BL, Lee FS. (2005) Sortilin controls intracellular sorting of brain-derived neurotrophic factor to the regulated secretory pathway. **J Neurosci.** Jun 29;25(26):6156-66. doi.org/10.1523/JNEUROSCI.1017-05.2005. PubMed PMID: 15987945; PubMed Central PMCID: PMC1201519. (IF: 7.506).
36. Prunotto C, Crepaldi T, Forni PE, **Ieraci A**, Kelly RG, Tajbakhsh S, Buckingham M, Ponzetto C. (2004) Analysis of Mlc-lacZ Met mutants highlights the essential function of Met for migratory precursors of hypaxial muscles and reveals a role for Met in the development of hyoid arch-derived facial muscles. **Dev Dyn.** Nov;231(3):582-91. doi.org/10.1002/dvdy.20177. PubMed PMID: 15376315. (IF: 2.868)
37. **Ieraci A**, Forni PE, Ponzetto C. (2002) Viable hypomorphic signaling mutant of the Met receptor reveals a role for hepatocyte growth factor in postnatal cerebellar development. **Proc Natl Acad Sci U S A.** Nov 12;99(23):15200-5. Epub 2002 Oct 23. PubMed PMID: 12397180; doi.org/10.1073/pnas.222362099. PubMed Central PMCID: PMC137567. (IF: 10.70).
38. Ponzetto C, Panté G, Prunotto' C, **Ieraci A**, Maina F. (2000) Met signaling mutants as tools for developmental studies. *Int J Dev Biol.* 44(6):645-53. PubMed PMID: 11061428. (IF: 1.963).
39. Perroteau I, Oberto M, **Ieraci A**, Bovolin P, Fasolo (1998) A. ErbB-3 and ErbB-4 expression in the mouse olfactory system. **Ann N Y Acad Sci.** Nov 30;855:255-9. doi.org/10.1111/j.1749-6632.1998.tb10578.x. PubMed PMID: 9929617. (IF: 0.964).

Capitoli di libri

- Musazzi L, Popoli M, **Ieraci A** (2019) *Farmaci Epigenetici* In: Farmaci biotecnologici e terapia personalizzata. Aspetti farmacologici e clinici./ E. Vegeto, A. Maggi, P. Minghetti ; - Prima edizione. - [s.l.] : Zanichelli Editore SpA, - ISBN 8808720535. - pp. 247-263
- Popoli M, **Ieraci A**, Musazzi L (2019) *Interazione gene-ambiente e farmacologia di precisione* In: Farmaci biotecnologici e terapia personalizzata. Aspetti farmacologici e clinici./ E. Vegeto, A. Maggi, P. Minghetti ; - Prima edizione. - [s.l.] : Zanichelli Editore SpA, - ISBN 8808720535. - pp. 71-87
- L. Musazzi, **A. Ieraci**, M. Popoli (2021) *Il sistema serotoninergico*. In: "Neuroscienze psichiatriche e computazionali" - Prof. P. Brambilla - Ed. Minerva Medica - ISBN 9788855320689 – pp. 75-85
- M. Popoli, **A. Ieraci**, L. Musazzi. The role of the glutamate system in Posttraumatic stress disorder and glutamate-based treatments. In: *Modulators of Glutamatergic Signaling as Potential Treatments for Neuropsychiatric Disorders* Zoran Pavlovic ed., Novapublishers (Springer) in press

Presentazioni orali

- 2021 Different short- and long-term consequences to sub-chronic stress exposure in male and female BDNF knock-in Val66Met mice. 19th Annual Congress of the Italian Society for Neurosciences- Brescia, Italy. Sept. 9-11.
- 2019 The human BDNF Val66Met polymorphism moderates the physical exercise-induced benefits in mice. Annual Congress of the Italian Society for Neurosciences- Perugia, Italy. Sept.

26-29.

- 2019 BDNF Val66Met polymorphism alters the susceptibility to stress and the response to physical exercise in mice. *Mario Negri Institute*, Milan Italy Sept. 20 (Host Dr. Annamaria Vezzani).
- 2018 Environment-induced gene expression and behavioral changes: role of the BDNF Val66Met human polymorphism. *Lake Como School of Advanced Studies: Genes epigenome and environment in pathophysiology of brain illness*. Villa del Grumello, Como, Italy Apr. 9-13
- 2018 Environmental factors modulate gene expression and behavioral changes: role of the BDNF Val66Met human polymorphism. *Dept. of Pharmacological and Biomolecular Sciences*, University of Milan, Italy 27 Feb (Host Prof. Alberto Corsini).
- 2016 Impaired response to physical exercise-induced brain beneficial changes in BDNF Val66Met mutant mice is accompanied by gene expression alterations in peripheral muscles. *Conference "More than neurons: toward a less neurocentric view of brain disorders"* Turin, Italy Dec1-3.
- 2016 Environmental modulation of BDNF levels and behavioural changes: role of the Val66Met human polymorphism. *IN-BDNF: The Italian Network on BDNF and Neuropsychiatric Diseases*. Monte Bondone, TN, Italy; Jan 13-16.
- 2015 Environment-induced neuroplasticity changes in knock-in mice with the human BDNF Val66Met polymorphism. *Annual Congress of the Italian Society for Neurosciences- Cagliari, Italy*. Oct. 8-11.
- 2014 Neurobiological effects of physical exercise in the human BDNF Val66Met polymorphism knock-in mice. *IN-BDNF: The Italian Network on BDNF and Neuropsychiatric Diseases*. Milan, Italy; Dec 3-4.
- 2014 Physical exercise prevents stress-induced reduction of BDNF transcripts by epigenetic modifications. *The many faces of stress. Satellite Meeting of 9th FENS Forum of Neuroscience*, Milan, Italy. July 10.
- 2013 Role of BDNF in the effects of physical exercise and stress. *IN-BDNF: The Italian Network on BDNF and Neuropsychiatric Diseases*. Imola, Italy; Nov 29-30.
- 2006 Ethanol-induced neurodegeneration and neuronal stem cells apoptosis in the developing brain: protective role of nicotinamide. *Istituto San Raffaele Telethon per la Terapia Genica*, Milan, Italy. May 6.
- 1999 Placing MET in the hierarchy of myogenic genes. *Meeting: ABCD «Regolazione dello sviluppo» San Miniato, PI, Italy*. May 22-23.

Riconoscimenti e premi

- 2002-2006 De Witt Wallace Reader's Digest Research Fellowship. Titolo progetto: Effects of alcohol on hippocampal neurogenesis in adults. Oxidative stress in fetal alcohol syndrome: potentially new therapy
- 2002 Telethon short-term fellowship. Titolo progetto: Meccanismi molecolari Met-mediati nella migrazione dei precursori dei mioblasti.
- 2001 EMBO short-term fellowship. Titolo progetto: Characterisation of signalling networks involved in HGF-mediated hepatocyte survival during liver development.
- 1997-2001 PhD fellowship "Lega Italiana Contro i Tumori".
- 1994-1995 Borsa di Studio per assistente didattico ai Laboratori Sperimentali di Biologia. Università di Torino.

Attività editoriale e di revisione scientifica

- **Editorial Board:** Chronic Stress, BMC Neuroscience, The World Journal of Biological Psychiatry
- **Special Issue:** Co-editor of the special issue: "Molecular Mechanisms Underlying the Interaction between Mental Health and Cardiovascular Disease" for International Journal of Molecular Sciences
- **Topic Editor:** International Journal of Molecular Sciences
- **Revisore Riviste:** The World Journal of Biological Psychiatry, The International Journal of Neuropsychopharmacology, Frontiers in Cellular Neuroscience, Molecular Psychiatry, Scientific Reports, Neuropharmacology, The Journal of Physiological Sciences, Journal of Sport and Health Science, Journal of Veterinary Behavior, Behavioral Brain Research, Neuroscience, Cells, International Journal Molecular Sciences, Molecular Neurobiology, Metabolic Brain Disease, The International Journal of Neuroscience, Frontiers in Neuroscience.

Certificazioni associazioni

- 2017 Abilitazione Scientifica Nazionale al ruolo di Professore di II fascia nel settore BIO/13 – Biologia Applicata
- 2000 Abilitazione alla Professione di Biologo, Università degli Studi di Torino.

Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".