

LISA M. MONTEGGIA, Ph.D.

RANK/TITLE:

Barlow Family Director of the Vanderbilt Brain Institute

Professor, Department of Pharmacology

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EM: Lisa.Monteggia@Vanderbilt.edu

EDUCATION:

University of Illinois, Urbana, IL – B.S.- Microbiology – 1989

University of Illinois, Urbana, IL – M.S. – Biology – 1991

The Chicago Medical School, North Chicago, IL – Ph.D. – Neuroscience – 1999 (Dr. Marina Wolf, PI)

POSTDOCTORAL TRAINING:

1998-2000 Department of Psychiatry (Dr. Eric Nestler, PI)
Yale University, New Haven, CT

OTHER TRAINING:

1991-1994 Associate Scientist, Department of Neuroscience, Abbott Laboratories, Abbott Park, IL

1994-1998 Scientist, Department of Neuroscience, Abbott Laboratories, Abbott Park, IL

ACADEMIC APPOINTMENTS:

09/2000-10/2002 Research Assistant Professor, Department of Psychiatry, UT Southwestern, Dallas, TX

10/2002-09/2009 Assistant Professor, Department of Psychiatry, UT Southwestern, Dallas, TX

09/2009-09/2013 Associate Professor (tenure), Department of Psychiatry, UT Southwestern, Dallas, TX

06/2010-06/2018 Ginny and John Eulich Professorship in Autism Spectrum Disorders

09/2013-06/2018 Professor, Department of Neuroscience, UT Southwestern, Dallas, TX

07/2018- Director, Vanderbilt Brain Institute, Vanderbilt University, Nashville, TN

07/2018- Professor of Pharmacology, Vanderbilt University, Nashville, TN

AWARDS/HONORS:

1985-1989 University of Illinois, Full Academic Tuition Scholarship

1991 Top 10% of Teaching Assistants for Excellence in Teaching, University of Illinois

1998-2000 NIH/NIDA Postdoctoral Training Grant, Yale University

2001 Young Investigator Award, NARSAD

2002 American College of Neuropsychopharmacology/Bristol-Myers Squibb Travel Award

2003 Developmental Neurobiology and Child Psychiatry, Otsuka Travel Award

2003 College on Problems on Drug Dependence, Center for Addictive Diseases Travel Award
 2003 Young Investigator Award, NARSAD
 2005 Daniel X. Freedman Award for outstanding basic research achievement in depression or schizophrenia, NARSAD
 2006 Associate Member, American College of Neuropsychopharmacology
 2008 Keynote speaker, Department of Psychiatry Discovery Day, University of Alabama, Birmingham
 2009 Member, American College of Neuropsychopharmacology
 2010 Speaker, Brian Awareness 2010, Vanderbilt University, Nashville, TN
 2010 Independent Investigator Award, NARSAD
 2011 International Mental Health Research Organization (IMHRO) Rising Star Award
 2011 Daniel H. Efron Award for outstanding basic/translational research, ACNP
 2012 Keynote speaker, Crossroads in Biology, Cologne, Germany
 2012 Student invited lecture, Faculty of Medicine Symposium, University of Calgary, Canada
 2012 Plenary speaker, International Behavioural and Neural Genetics Society, Boulder, CO
 2013 Distinguished Lecture Series, Collaborative Program in Neuroscience, University of Toronto
 2013 Student invited lecture, Center for Neuroscience, West Virginia University, Morgantown, WVU
 2014 Fellow, American College of Neuropsychopharmacology
 2014 Distinguished Investigator Award, NARSAD
 2015 Student invited lecture, Department of Neuroscience, Baylor College of Medicine, Houston, TX
 2016 Plenary session speaker, American Society for Neurochemistry, Denver, CO
 2017 Graduate Student Distinguished Lecturer, Department of Pharmacology & Neuroscience, LSU
 2018 Keynote speaker, 4th International Bonn Brain Meeting, Bonn University, Bonn, Germany

SERVICE COMMITTEES:

2004-2015 IACUC Committee Member, UT Southwestern, Dallas, TX
 2007-2010 Faculty Retention and Development Committee, Dept Psychiatry, UT Southwestern, Dallas, TX
 2007-present Advisory Board, Benefiting Research for Autism Investigators Now at UT Southwestern
 2008-2009 Deans ARC Advisory Committee, UT Southwestern, Dallas, TX
 2009-2016 Graduate Admissions Committee, UT Southwestern, Dallas, TX
 2014-2020 PhD and Postdoctoral Research Training Subcommittee, UT Southwestern, Dallas, TX
 2015-present Committee on Graduate School Awards, UT Southwestern, Dallas, TX

 2008 Member, Public Information Committee, ACNP
 2009-2013 NIH, Molecular Neuropharmacology and Signaling (MNPS), permanent member
 2009-present Scientific Review Board, International Rett Syndrome Foundation
 2009-present NIMH, K99/K00, Chair review committee
 2009-2012 Member, Professional Development Committee, Society for Neuroscience
 2010-2014 Membership Task Force Committee, ACNP
 2011-2013 Program Committee, ACNP
 2013-2016 Member, Program Committee, Society for Neuroscience
 2013-2014 Theme Co-Chair, Program Committee, Society for Neuroscience
 2014 Chair, Membership Advisory Task Force, ACNP
 2014 Honorary Awards Committee, ACNP
 2014-2017 Woman's Task Force, ACNP
 2015 Strategic Planning Task Force, ACNP

2015-present Council, Molecular and Cellular Cognition Society (MCCS)
2016-2017 Membership Committee, ACNP
2016-2019 Government and Public Affairs Committee, Society for Neuroscience
2018 Chair, Membership Committee, ACNP
2017-2018 Councilor, Society for Neuroscience (elected)
2018-2019 NIH BRAIN Initiative Working Group
2018-2022 Councilor, Society for Neuroscience (elected)
2018-2020 50th Anniversary History Working Group, Society for Neuroscience

EDITORIAL BOARDS:

2007-present Biological Psychiatry, Editorial Board
2008-2010 Neuropsychopharmacology, Editorial Board
2010-present Neuropsychopharmacology, Associate Editor
2013-present Journal of Neuroscience, Editorial Board
2013-present Journal of Biological Chemistry, Editorial Board
2014-present Behavioral Neuroscience, Consulting Editorial Board
2017-present Neuropharmacology, Editorial Board
2017-present eLife, Board of Reviewing Editors
2018-present Hippocampus, Section Editor

TEACHING EXPERIENCE:

2005-2018 Experimental Approaches to Complex Diseases, Course Director, Integrative Biology
2008-2018 Neurobiology of Mental Illness, Course Director, Neuroscience

2001-2004 Department of Psychiatry Works in Progress Seminar Series, Organizer
2002-2012 Neuropsychopharmacology Course, lecturer
2002-2012 PGY3 Residents, lecturer
2002-2014 Overview of Addiction Course, lecturer
2003-2018 Case Study of Ethics, Small Group Facilitator
2004-2018 Heritable Diseases Course, lecturer

Thesis Mentor for the following graduate students:

Erika Nelson, BS (Neuroscience Graduate Program)
Sunbola Ashimi, BS, MS (Neuroscience Graduate Program)
Anita Autry, BS (Neuroscience Graduate Program)
Melissa Mahgoub, BA (Neuroscience Graduate Program)
Maarten Los, BS, MS, PharmD (Utrecht University, co-mentor: Dr. Berend Olivier)
Erinn Gideons, BS (Neuroscience Graduate Program)
Kristen Szabla, BS, MS (Neuroscience Graduate Program)
Pei-Yi Lin, BS (Neuroscience Graduate Program)
Patricia Horvath, BS (Neuroscience Graduate Program)
I-Mei Liao, BS (Neuroscience Graduate Program)
Robert Altamirano (Neuroscience Graduate Program)

Thesis Committee Member for the following graduate students:

Tiffany Carle (mentor: Dr. Eric Nestler)
Nathan Bingham (mentor: Dr. Keith Parker)
Ying Chen (mentor: Dr. Joachim Herz)
Omar Nelson (mentor: Dr. Ilya Bezprozvanny)
Nicole Buzin (mentor: Dr. David Self)
Rachel Arey (mentor: Dr. Colleen McClung)
Charles Taylor (mentor: Dr. Matthew Goldberg)
Sherry Rovinsky (mentor: Dr. Jeffrey Zigmond)
Julia Mattson (mentor: Dr. Michael Rugg)
Natalie Farra, external reviewer (mentor: James Ellis, University of Toronto)
Austin Reese (mentor: Dr. Ege Kavalali)
Miles Fontenot (mentor: Dr. Gena Konopka)
Hillary Cansler (mentor: Dr. Julian Meeks)
Olusoji Afuwape (mentor: Dr. Ege Kavalali)
Salvator Magara, external reviewer (mentor: Dr. Maria Lindskog, Karolinska Institute)
Richard Walsh (mentor: Dr. Ryan Hibbs)
Elyza Kelly (mentor: Dr. Peter Tsai)

PROFESSIONAL AFFILIATIONS:

American College of Neuropsychopharmacology (ACNP), Member
Society for Neuroscience
The Serotonin Club
Faculty of 1000, Associate Member

INVITED PRESENTATIONS:

08/1997 Yale University, Laboratory of Molecular Psychiatry, New Haven, CT
09/1997 NIMH, Molecular Plasticity Section, Bethesda, MD
12/1997 Duke University, Department of Cell Biology, Durham, NC
04/2002 University of Pittsburgh, Department of Neuroscience, Pittsburgh, PA
10/2002 Rockefeller University, Laboratory of the Biology of Addictive States New York, NY
10/2002 National Alliance for Research on Schizophrenia and Depression Symposium, New York
12/2002 ACNP, Hot Topics Talk, San Juan, Puerto Rico
05/2003 American Psychiatric Association Meeting, San Francisco, CA
07/2004 UT Southwestern Medical Center, MSTP Talk, Dallas, TX
12/2003 ACNP, Hot Topics Talk, San Juan, Puerto Rico
06/2004 Fifth Annual Rett Syndrome Symposium, Baltimore MD
09/2004 UT Health Sciences Center at San Antonio, Department of Pharmacology, San Antonio, TX
10/2004 University of Michigan, Grand Rounds, Department of Psychiatry, Ann Arbor, MI
10/2004 ECNP, Panel Session, Molecular Targets in Psychiatric Diseases, Stockholm, Sweden
11/2004 UT Southwestern Medical Center, Grand Rounds, Department of Psychiatry, Dallas, TX
12/2004 UT Southwestern Medical Center, MSTP Talk, Dallas, TX
12/2004 ACNP, Organizer, Panel Session, New Animal Models&Biomarkers of Depression, Puerto Rico
09/2005 UT Southwestern Medical Center, Department of Psychiatry Retreat, Dallas, TX
06/2006 Serotonin Club Meeting, Serotonin & BDNF, Sapporo, Japan
11/2006 Yale University, BSTP Seminar, New Haven, CT

11/2006 Autism Summit at UT Southwestern, Dallas, TX
12/2006 ACNP, Organizer, Panel Session, Transcriptional Regulation Synaptic Function, Hollywood, FL
03/2007 University of Alabama, Department of Neuroscience, Birmingham, AL
04/2007 European Working Group on Rett Syndrome, Busto Arsizio, Italy
06/2007 Gordon Conference, Neurotrophins, Salve Reagents College, Newport, RI
07/2007 UT Southwestern, Neural Injury, Plasticity, and Repair Group Works-In Progress, Dallas, TX
09/2007 University of Pennsylvania, Center for Neurobiology and Behavior Seminar, Philadelphia, PA
09/2007 UT Southwestern Medical Center, Neuroscience Seminar Series, Dallas, TX
09/2007 Yale University, Child Study Center, New Haven, CT
10/2007 UT Southwestern Medical Center, Department of Molecular Genetics, Dallas, TX
04/2008 University of Alabama, Discovery Day Keynote Speaker, Dept of Psychiatry, Birmingham, AL
05/2008 Biological Psychiatry Meeting, Plenary Session Speaker, Washington DC
06/2008 UT Southwestern Medical Center, MSTP Talk, Dallas, TX
06/2008 2008 Workshop on the Neuroendocrinology of Stress, San Rafael, CA
06/2008 Emory University, Department of Psychiatry, Atlanta, GA
07/2008 Eli Lilly, Neuroscience Research, Indianapolis, IN
08/2008 Penn State, Neuroscience Seminar Series, University Park, PA
09/2008 NARSAD, Healthy Minds Across America Symposium, Dallas, TX
09/2008 UT Southwestern Medical Center, Department of Physiology, Dallas, TX
10/2008 Rett Syndrome World Conference, Paris, France
11/2008 Society for Neuroscience, Co-organizer and speaker of Autism panel, Washington, DC
12/2008 ACNP, Co-organizer, Panel Session, Transcriptional Regulation in the CNS, Scottsdale, AZ
04/2009 Brown University, Neuroscience Seminar Series, Providence, RI
05/2009 Harvard Medical School, Neurobiology Seminar Series, Boston, MA
06/2009 Gordon Conference, Neural Circuits & Plasticity, Salve Regina Univ, Newport, RI
07/2009 Epigenetics and Neurodevelopmental Disorders Conference, Philadelphia, PA
09/2009 University of Pennsylvania, Mahoney Institute for Neurological Sciences, Philadelphia, PA
10/2009 Presbyterian Hospital, Psychiatry Grand Rounds, Dallas, TX
12/2009 ACNP, Co-organizer, Panel Session, HDAC Inhibitors and their potential as therapeutic targets
12/2009 ACNP, Speaker, Neurotrophins to the rescue: BDNF-TrkB and synaptic plasticity
01/2010 Zilkha Neurogenetic Institute, USC, Los Angeles, CA
02/2010 CHDI Workshop on HDAC4 and Huntington's Disease, Los Angeles, CA
03/2010 NIMH, Seminar on Epigenetics and Rett Syndrome, Washington DC
03/2010 University of Houston, College of Pharmacy, Houston, TX
03/2010 CHU Sainte-Justine, Université de Montréal, Epigenetics of development, Montréal, Canada
03/2010 Vanderbilt University, Kennedy Center, Nashville, TN
04/2010 Keystone Symposium, Defining the Pathophysiology of Autistic Behavior, Snowbird, UT
04/2010 Society on NeuroImmune Pharmacology, Epigenomic Regulation, Mountain View, CA
04/2010 NARSAD, Healthy Minds Across America, UT Southwestern, Dallas, TX
06/2010 International Rett Syndrome Foundation Meeting, Leesburg, Virginia
08/2010 Sepracor, Marlborough, MA
09/2010 Presbyterian Hospital, Psychiatry Grand Rounds, Dallas, TX
09/2010 Department of Psychiatry, Grand Rounds, UT Southwestern, Dallas, TX
10/2010 Behavioral Epigenetics Conference, NY Academy of Sciences, Boston, MA
11/2010 UT Arlington, Department of Psychology, Arlington, TX
11/2010 Johns Hopkins, Department of Psychiatry and Behavioral Science, Baltimore, MD

01/2011 Current Issues in Developmental Psychobiology, Costa Rica
02/2011 University of Virginia, Department of Biochemistry, Charlottesville, VA
02/2011 NeuroDinner, Departments of Neuroscience/Psychiatry/Neurology, UTSW, Dallas, TX
03/2011 Virginia Commonwealth University, Department of Pharmacology&Toxicology, Richmond, VA
03/2011 Mt. Sinai School of Medicine, Department of Neuroscience, New York, NY
03/2011 Tufts University, Department of Neuroscience, Boston, MA
04/2011 Session Chair & Speaker, Synapses:From Molecules to Circuits & Behavior, Cold Spring Harbor
04/2011 Fondation IPSEN, Epigenetics, brain and behavior Symposium, Paris, France
05/2011 Session Chair&Speaker, Univ Illinois, Dept Psychiatry, Neuroepigenomics Symposium, Chicago
05/2011 MIT, Simons Initiative on Autism and the Brain, Autism Consortium, Boston, MA
05/2011 Dutch Endo-Neuro-Psychology Meeting, Lunteren, The Netherlands
06/2011 Lundbeck Research USA, Neuroscience Division, Paramus, NJ
06/2011 F. Hoffman-La Roche, Epigenetics and CNS Disorders, Roche Research Leadership Team, Zurich
06/2011 Session Chair, Pathophysiology of Rett Syndrome, 12th Annual IRSF Symposium, VA
09/2011 Staglin Music Festival, International Mental Health Research Organization, Napa, CA
09/2011 Emory University, Department of Neuroscience, Atlanta, GA
09/2011 UNT Health Science Center, Grand Rounds, Ft. Worth, TX
09/2011 NINDS/NICHD/IRSF/RSFT,Setting Priorities for Therapy Development in RTT, Washington, DC
10/2011 University of Illinois at Chicago, Department of Psychiatry, Chicago, IL
11/2011 National Parkinson Foundation, Non-motor symptom domains, Washington, DC
12/2011 ACNP, Co-organizer, Panel Session, Novel Synaptic Targets in Depression, Kona, HI
12/2011 Harvard University, Department of Psychiatry, Brigham Women's Hospital, Boston, MA
12/2012 Community Outreach on Autism, UT Southwestern, Dallas, TX
02/2012 Crossroads in Biology, Neurobiology in Health and Disease, Cologne, Germany
03/2012 UT Southwestern, Department of Physiology, Dallas, TX
03/2012 UT Dallas, Department of Molecular & Cell Biology, Dallas, TX
03/2012 UT Health Science Center at San Antonio, Department of Pharmacology, San Antonio, TX
04/2012 Keystone Symposium, Synapses & Circuits:From Formation to Disease, Steamboat Springs, CO
05/2012 Society of Biological Psychiatry, Symposium session, Philadelphia, PA
05/2012 University of Calgary, Faculty of Medicine Symposium, Student Invite, Calgary, Canada
05/2012 Genes, Brain & Behavior Meeting, Plenary Lecture, Boulder CO
05/2012 One Mind Conference, Los Angeles, CA
06/2012 University of Arkansas, Grand Rounds, Little Rock, AR
07/2012 Gordon Research Conference, Synaptic Transmission, Waterville, NH
10/2012 ECNP Congress, Vienna, Austria
10/2012 F. Hoffman-La Roche, Basel, Switzerland
10/2012 University of Wisconsin, Department of Neuroscience, Madison, WI
12/2012 ACNP, Neuropsychopharmacology Reviews Plenary Session, Hollywood, FL
12/2012 University of Pennsylvania, Department of Psychiatry, Philadelphia, PA
01/2013 The Academy of Medicine, Engineering and Science of Texas, Dallas, TX
02/2013 Institute of Neuroscience of Castilla, Salamanca, Spain
03/2013 NIEHS, Research Triangle Park, NC
04/2013 University of Toronto, Distinguished Lecture Series, Collaborative Neuroscience Program
05/2013 The Stanley Center, Broad Institute, Cambridge, MA
09/2013 Center for Neuroscience, West Virginia University, Morgantown, WV
09/2013 Department of Pharmacology, UT Southwestern Medical Center, Dallas, TX

09/2013 Texas FreshAir Initiative, Austin, TX
09/2013 Pavlovian Society Meeting, Austin TX
10/2013 University of Texas at Dallas, Neuroscience seminar series, Dallas, TX
11/2013 Molecular and Cellular Cognition Society, satellite meeting to SFN, San Diego, CA
11/2013 Epigenetics Minisymposium, SFN, San Diego, CA
01/2014 Department of Cell Biology, UT Southwestern Medical Center, Dallas, TX
02/2014 International Epilepsy Research Center, UCI (Hyatt Regency Newport Beach), CA
04/2014 Washington University, Department of Neurobiology & Anatomy, St. Louis, MO
04/2014 Shire Pharmaceuticals, Valley Forge, PA
05/2014 Rosalind Franklin University, Department of Neuroscience, North Chicago, IL
06/2014 Emotional Learning and Memory Conference, UT Dallas, Dallas, TX
06/2014 Rett Symposium, Childrens Hospital, Dallas, TX
06/2014 IRSF annual meeting, Washington DC
07/2014 Gordon Conference, Neurobiology of Brain Disorders, Girona, Spain
08/2014 RIKEN Brain Science Institute, Toyko, Japan
08/2014 Cold Spring Harbor Asia Conference, Suzhou, China
01/2015 Stanford University, Neurosciences Institute, Palo Alto, CA
02/2015 Keystone Meeting, Neuroepigenetics, Santa Fe, New Mexico
03/2015 Discovery to Recovery Meeting, Brain & Behavior Research Foundation, Los Angeles, CA
03/2015 University of Maryland, Program in Neuroscience, Baltimore, MA
04/2015 Institute for Cell Engineering, Johns Hopkins University School of Medicine
05/2015 University of Buffalo, Department of Physiology, Buffalo, NY
05/2015 Meet the Scientist, Q&A Discussion, Brain & Behavior Research Foundation
06/2015 Karolinska Institutet, Stockholm Psychiatry Lecture, Sweden
09/2015 Behavioral Epigenetics Meeting, Janelia Research Campus, VA
10/2015 25th Annual Neuropharmacology Conference, Chicago, IL
11/2015 Baylor College of Medicine, Department of Neuroscience, Houston, TX
11/2015 UT Southwestern, Autism Center, Dallas, TX
11/2015 Small Molecule Drug Development Symposium, UT Southwestern, Dallas, TX
01/2016 UT Austin, Department of Neuroscience, Austin, TX
03/2016 University of Iowa, Department of Neuroscience, Iowa City, IA
03/2016 American Society for Neurochemistry, Denver, CO
04/2016 2016 NGF Meeting, Monterey, CA
05/2016 Herrenhausen Symposium for Psychiatric Disorders, Hannover, Germany
08/2016 Banbury, Conference, Can we make animal models of human mental illness? CSHL, NY
09/2016 Baylor University, Department of Psychology, Waco, TX
10/2016 TX FreshAir Neuroscience Conference, Austin, TX
11/2016 26th Annual Neuropharmacology Conference, San Diego, CA
12/2016 American College of Neuropharmacology, panel speaker, Hollywood, FL
03/2017 Rushton Seminar, Florida State University, Tallahassee, FL
03/2017 New York University, Neuroscience Colloquium, New York City, NY
03/2017 Mount Sinai School of Medicine, Department of Neuroscience, New York City, NY
03/2017 UT Southwestern Medical Center, McDermott Center, Dallas, TX
05/2017 LSU, Department of Pharmacology, Toxicology & Neuroscience, Shreveport, LA
08/2017 FASEB, Reversible acetylation in health & disease conference, Big Sky, MT
09/2017 University of Helsinki, Division of Physiology & Neuroscience, Helsinki, Finland

09/2017 ECNP Congress of Applied and Translational Neuroscience, Paris, France
10/2017 Molecular Psychiatry Meeting, San Francisco, CA
10/2017 Weill Cornell Medicine, Brain and Mind Research Institute, New York City, NY
10/2017 Molecular Psychiatry Meeting, San Francisco, CA
10/2017 Weill Cornell Medicine, Brain and Mind Research Institute, New York City, NY
11/2017 Baylor College of Medicine, Houston, TX
02/2018 Virginia Commonwealth University, Department of Physiology, Richmond, VA
02/2018 University of N. Texas Health Science Center, Neuroscience Discovery, Fort Worth, TX
02/2018 Ohio State University, Neuroscience Seminar, Columbus, OH
03/2018 4th International Bonn Brain Meeting, Bonn University, Bonn, Germany
04/2018 NYU, Psychiatry Grand Rounds, New York City, NY
05/2018 9th Annual Neuroscience symposium, Tufts Neuroscience Institute, Boston MA

Confirmed/invited future presentations

06/2018 International Conference on Neurotrophic Factors 2018, Salamanca, Spain
09/2018 Northwestern University, Feinberg School of Medicine, Department of Physiology
11/2018 Scripps Research Institute, Jupiter, FL
06/2019 Gordon Research Conference, Neurotrophins, Newport, RI

GRANT SUPPORT:

CURRENT:

9/13-8/18 R01MH081060 (Monteggia, PI)
National Institute of Mental Health
MeCP2 Dependent Transcriptional Repression & Neurotransmission
The major goal of this project is to elucidate the role of MeCP2 in synaptic transmission.

4/16-3/21 R01MH70727-11 (Monteggia, PI)
National Institute of Mental Health
Antidepressants and intracellular signaling linked to BDNF
The main purpose is to investigate the role of BDNF in signal transduction pathways in mediating antidepressant efficacy.

PUBLICATIONS (>15,900 citations):

1. Doucette-Stamm L, **Monteggia LM**, Donnelly-Roberts D, Wang MT, Lee J, Tian J, Giordano T (1993) Cloning and sequence of the human $\alpha 7$ nicotinic acetylcholine receptor. *Drug Developmental Research* 30:252-256.
2. Pan J B, **Monteggia LM**, Giordano T (1993) Altered levels and splicing of the amyloid precursor protein in the adult rat hippocampus after treatment with DMSO or retinoic acid. *Brain Res Mol Brain Res* 18:259-266.
3. Kansy JW, Carinato ME, **Monteggia LM**, Konisky J (1994) In vivo transcripts of the S-layer-encoding structural gene of the Archaeon *Methanococcus voltae*. *Gene* 148:131-135..
4. **Monteggia LM**, Arneric SP, Giordano T (1994) Nicotine effects on the regulation of APP splicing, neurotrophin and glucose transporter RNA levels in aged rats. *Int J Dev Neurosci* 12(2):133-141.
5. Giordano T, Pan JB, **Monteggia LM**, Holtzman TF, Krafft G, Ghanbari H, Kowall NW (1994). Similarities between β -Amyloid peptides 1-40 and 40-1: effects on aggregation, toxicity *in vitro*, and injection in young and aged rats. *Exp Neurol* 125 (2): 175-182.

6. **Monteggia LM**, Gopalakrishnan M, Touma E, Idler K, Nash N, Arneric SP, Sullivan JP, Giordano T (1995) The cloning and transient expression of the human $\alpha 4$ and $\beta 2$ neuronal nicotinic acetylcholine receptor (nAChR) subunits. *Gene* 155:189-193.
7. Briggs CA, Hughes ML, **Monteggia LM**, Giordano T, Donnelly-Roberts D, Arneric SP (1995) Nicotinic cholinergic channel activation by the novel agonist ABT 418 in PC12 cells. *Drug Dev Res* 34:39-46.
8. Weavers A, Sullivan JP, Giordano T, Birtsch CH, **Monteggia LM**, Nowacki S, Arneric SP, Schroeder H. (1995) Cellular distribution of the mRNA for the $\alpha 7$ subunit of the nicotinic acetylcholine receptor subunit in human cerebral cortex: an in situ hybridization study. *Drug Dev Res* 36:103-110.
9. Gopalakrishnan M, **Monteggia LM**, Anderson DJ, Arneric SP, Sullivan JP (1996) Stable expression, pharmacological properties and regulation of the human nicotinic acetylcholine $\alpha 4\beta 2$ receptor. *J Pharmacol Exp Ther* 276:289-297.
10. Delbono O, Gopalakrishnan M, Renganathan M, **Monteggia LM**, Messi ML, Sullivan JP (1997) Activation of the recombinant human $\alpha 7$ nicotinic acetylcholine receptor significantly rises intracellular free calcium. *J Pharmacol Exp Ther* 280:428-438.
11. Briggs CA, McKenna DG, **Monteggia LM**, Touma E, Roch JM, Arneric SP, Gopalakrishnan M, Sullivan JP (1999) Gain of function mutation of the $\alpha 7$ nicotinic receptor: distinct pharmacology of the human $\alpha 7$ V274T Variant. *Eur J Pharmacol* 366:301-308.
12. Wevers A, **Monteggia LM**, Nowacki S, Bloch W, Schutz U, Lindstrom J, Pereira EFR, Eisenberg H, Giacobini E, Gass P, deVos RAI, Jansen Steur ENH, Maelicke A, Albuquerque EX, Schroder H (1999) Expression of nicotinic acetylcholine receptor subunits in the cerebral cortex in Alzheimer's disease-histotopographical correlation with amyloid plaques and hyperphosphorylated tau-protein. *Eur J Neurosci*, 11(7):2551-65.
13. Miller T, Davis-Taber R, Molinari E, Whiteaker K, **Monteggia LM**, Scott V, Brioni J, Sullivan JP (1999) Pharmacological and molecular characterization of ATP-sensitive potassium channels in the TE671 human medulloblastoma cell line. *Eur J Pharmacol* 370:179-185.
14. Lu W, **Monteggia LM**, Wolf ME (1999) Withdrawal from repeated amphetamine administration reduces NMDAR1 expression in the rat substantia nigra, nucleus accumbens and medial prefrontal cortex. *Eur J Neurosci*, 11(9):3167-3177.
15. Gopalakrishnan M, Molinari E, Shieh C-C, **Monteggia LM**, Roch J-M, Scott V, Whiteaker K, Sullivan JP, Brioni J (2000) Stable expression of human sulfonylurea receptor SUR1 and the inward rectifier KIR 6.2 in HEK-293 cells: pharmacology of ligand binding & function. *Brit J Pharm*, 129(7):1323-1332.
16. **Monteggia LM**, Eisch AJ, Tang MD, Kaczmarek LK, Nestler EJ (2000) Cloning and localization of the hyperpolarization-activated cyclic nucleotide gated channel family in rat brain. *Brain Res Mol Brain Res* 81(1-2):129-139.
17. Schroder H, Schutz U, Burghaus L, Lindstrom J, Kuryatov A, **Monteggia L**, deVos RAI, van Noort G, Wevers A, Nowacki S, Happich E, Moser N, Arneric SP, Maelicke A (2001) Expression of the $\alpha 4$ isoform of the nicotinic acetylcholine receptor in the fetal human cerebral cortex. *Brain Res Dev Brain Res* 132:33-45.
18. Brauer AU, Savaskan NE, Kole MHP, Plaschke M, Santoro B, **Monteggia LM**, Simburger E, Deisz RA, Ninnemann O, Nitsch R (2001) Molecular evidence and functional analyzes of dynamic expression of HCN-1, a brain-specific hyperpolarization cation activated channel in the hippocampus after entorhinal cortex lesion. *FASEB*, 15(14):2689-2701.
19. **Monteggia LM**, Gold SJ (2001) Neurobiology of Depression. *Dallas Med Journal* 87:518-521.

20. Lu W*, **Monteggia LM***, Wolf ME (*equal contributors) (2002) Repeated administration of amphetamine or cocaine does not alter AMPA receptor expression in the rat midbrain. *Neuropsychopharm* 26(1):1-13.
21. Nestler EJ, DiLeone RJ, **Monteggia LM** (2002) Inducible, cell-targeted mutations in mice: new tools for genetically dissecting behavior. *Int J Comp Psychology*, 14:111-122.
22. Nestler EJ, Barrot M, DiLeone RJ, Eisch AJ, Gold SJ, **Monteggia LM** (2002) Neurobiology of Depression. *Neuron* 34(1):13-25.
23. Peakman MC, Colby C, Perrotti LI, Tekumalla P, Carle T, Ulery P, Chao J, Duman C, Steffen C, **Monteggia LM**, Allen MR, Stock JL, Duman RS, McNeish JD, Barrot M, Self DW, Nestler EJ, Schaeffer E. (2003) Inducible, brain region-specific expression of a dominant negative mutant of c-Jun in transgenic mice decreases sensitivity to cocaine. *Brain Res* 970(1-2):73-86.
24. Sutton MA, Schmidt EF, Choi K-H, Schad CA, Whisler K, Simmons D, Karanian DA, **Monteggia LM**, Neve RL, Self DW (2003) Extinction-Induced Plasticity in AMPA Receptors Reduces Cocaine-Seeking Behavior. *Nature* 421(6918):70-75.
25. Powell CM, Schoch S, **Monteggia L**, Barrot M, Matos MF, Feldmann N, Südhof TC, Nestler EJ (2004) The Presynaptic Active Zone Protein RIM1a is Critical for Normal Associative Learning. *Neuron* 42:143-153.
26. **Monteggia LM**, Barrot M, Powell C, Berton O, Galanis V, Nagy A, Greene RW, Nestler EJ (2004) Essential Role of BDNF in Adult Hippocampal Function and Depression. *Proc Natl Acad Sci*, 101(29):10827-10832.
27. Perrotti LI, Hadeishi Y, Ulery PG, Barrot M, **Monteggia LM**, Duman RS, Nestler EJ (2004) Induction of DFosB in reward-related brain structures after chronic stress. *J Neurosci* 24(47):10594-602.
28. Waugh JL, Lou AC, Eisch AJ, **Monteggia LM**, Nestler EJ, Muly EC, Gold SJ (2005) Regional, Cellular and Subcellular Localization of RGS10 in Rodent Brain. *J Comp Neurol*, 481(3):299-313.
29. Hashimoto T, Bergen SE, Nguyen QL, Xu B, **Monteggia LM**, Pierri JN, Sun Z, Sampson AR, Lewis DA (2005) Relation of Brain-Derived Neurotrophic Factor and Its Receptor TrkB to Altered Inhibitory Prefrontal Circuitry in Schizophrenia, *J Neurosci* 25(2):372-383.
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