

Curriculum Vitae

Name: Michael Joseph Patrick Meaney

Born: Montreal, Quebec, Canada
December 16, 1951

Citizenship: Canadian

Social Insurance: Canadian (227-484-797)
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Languages: English, French

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Education

B.Sc.	Loyola College	Psychology/Biology	1975
M.A.	Concordia University	Clinical Psychology	1977
Ph.D.	Concordia University	Behavioural Neuroscience	1981
Post-doctoral	The Rockefeller University	Molecular Neurobiology	1983

Awards and Honors

Dean's List	Loyola College	1973-75
Match of Minds Scholarship	Loyola College	1973-75
Quebec Graduate Fellowship (FCAR)	Concordia University	1977-81
NSERC Post-doctoral Fellowship	The Rockefeller University	1981-83
NSERC University Research Fellowship	Concordia University	1983-85
	McGill University	1985-91
MRCC Scientist	McGill University	1991-96
Associate Professor, with Tenure	McGill University	1991-95
Full Professor, with Tenure	McGill University	1995-
MRCC Senior Scientist	McGill University	1998-2002
Patricia R. Barchas Award	American Psychosomatic Association	2000
James McGill Professor of Medicine	McGill University Chair	2001-

NARSAD Distinguished Investigator	McGill University	2002
CIHR Senior Investigator	McGill University	2003-
Bank of Montreal Fellow	Cdn. Inst. Adv. Res.	2005
Heinz Lehmann Award	Cdn. College Neuropsychopharmacology	2005
Presidential Scholar	University of California, San Francisco	2005
Klerman Award	Cornell University	2006
ISI Highly-Cited Scientist (Neuroscience)	Institute Scientific Impact	2007
Scriver Lectureship	Pediatrics, McGill University	2007
Albert Barrett Lectureship	University of Michigan	2007
Ripley Lecture	University of Washington	2007
Chevalier de l'Ordre National	Gouvernement du Québec	2007
Fellow (Life Sciences)	Royal Society of Canada	2007
Peter Loughheed Prize	Alberta Heritage Fdn Medical Research	2008
Thomas William Salmon Medal	New York Academy of Medicine	2008
Scientist of the Year	Radio Canada	2009
Transatlantic Medal	Society for Endocrinology	2011
Distinguished Research Contribution	American Psychological Association	2012
Order of Canada	Governor General of Canada	2012
IPSEN Prize Synaptic Plasticity	Fed European Neuroscience Societies	2012
Lifetime Achievement Award	Int. Society of Psychoneuroendocrinology	2014
Prix de Québec (Wilder-Penfield Prize)	Government of Québec	2014

Academic Positions

Scientific Director	Ludmer Centre for Neuroinformatics and Mental Health	2013
Adjunct Professor	Chongqing Medical School, China	2011
Associate Director	Singapore Institute For Clinical Sciences	2009
Adjunct Sen. Investigator	Singapore Institute For Clinical Sciences	2008
Co-Director	Sackler Program for Epigenetics	2008
Co-Director	MAVAN Project	2003
Chaired Professor	James McGill Professorship	2001-
Director	McGill Program for the Study of Behaviour, Genes & Environment	2001-
Associate Director	Douglas Hospital Research Center	1996-
Full Professor	McGill University/Psychiatry	1995-
Associate Professor	McGill University/Psychiatry	1991-1995
Visiting Scientist	Univ. of Edinburgh/Molecular Medicine	1993-1994
Assistant Professor	McGill University/Psychiatry	1985-1991
Associate Member	McGill University/Ctr. Study of Aging	1988-
Associate Member	McGill University/Neurology	1990-
Research Scientist	Douglas Hospital Research Centre	1985-
Assistant Professor	Concordia University/Psychology	1983-85
Post-doctoral Fellow	The Rockefeller Univ./ Neuroendocrinology	1981-83
Visiting Scholar	North Dakota State Univ./Psychology	1981

Research Grants (as PI)

Natural Sciences and Engineering Research Council (Operation)	1983-86	48,000.
Natural Sciences and Engineering Research Council (Equipment)	1983	7,000.
Natural Sciences and Engineering Research Council (Equipment)	1984	7,800.
Fonds de la Recherche en Santé du Québec (Operation)	1983-85	20,000.
Les Fonds FCAR (Operation)	1984-85	11,000.
Medical Research Council (Operation)	1984-86	60,000.
Natural Sciences and Engineering Research Council (Operation)	1986-88	50,000.
Les Fonds FCAR (Operation)	1986-89	37,500.
Medical Research Council (Operation)	1986-88	67,000.
Fonds de la Recherche en Santé du Québec (Operation)	1987-89	49,000.
Canadian Geriatric Research Society (Operation)	1987-88	35,600.
Medical Research Council (held jointly) (Operation)	1986-88	70,000.
Natural Sciences & Engineering Research Council (Operation)	1988-91	90,000.
Medical Research Council (held jointly) (Operation)	1988-90	70,000.
Medical Research Council (Operation)	1988-91	103,000.
Fonds de la Recherche en Santé du Québec (Operation)	1989-91	91,000.
Alzheimer Association (USA) (Operation)	1990-93	150,560.
National Institutes of Health (Aging) (Operation)	1991-94	287,900.
Natural Sciences and Engineering Research Council (Operation)	1991-94	135,000.
Medical Research Council (Operating)	1991-96	240,000.
Medical Research Council (Operating)	1992-97	370,000.
MacArthur Foundation (held jointly) (Operating)	1992	60,000.
Canadian Alzheimer's Assoc. (held jointly) (Operating)	1993-95	100,000.
CQRS-FRSQ Joint Program (A. Schwartzman) (Operating)	1993-95	90,739.
FCAR Team Grant (Meaney, Quirion & Poirier) (Operating)	1993-96	240,000.
Natural Sciences and Engineering Research Council (Operation)	1994-95	25,000.
National Institute for Mental Health (Plotsky/Meaney) (Operating)	1994-97	436,800.
Natural Sciences and Engineering Research Council (Operation)	1995-99	112,000.
NATO Collaborative Research Grant (Travel)	1995-97	22,000.
National Institutes of Health (Aging) (Operation)	1995-98	456,000.
Medical Research Council (Operating)	1996-01	305,000.
Medical Research Council (Studentship)	1996-00	16,000.
Medical Research Council (Operating)	1997-02	280,000.
National Institute for Mental Health (Plotsky/Meaney) (Operating)	1997-02	1,190,000.
Natural Sciences and Engineering Research Council (Operation)	1999-03	195,200.
National Institute for Mental Health (Operating)	1999-02	405,000.
National Institute for Drug Addiction (Supplement)	1999-00	33,000.
Canadian Institutes of Health Research (Operating)	2000-05	470,000.
Canadian Institutes of Health Research (Operating)	2000-03	405,000.
National Institute for Drug Addiction (Operating)	2001-04	900,000.
NARSAD Distinguished Investigator (Career Award)	2001-02	160,000.
Canadian Institutes of Health Research (Operating)	2001-04	270,000.
Canadian Institutes of Health Research (Operating)	2002-07	700,000.
National Institute for Mental Health (Operating)	2003-08	1,050,000.
OECD (Japanese Life Long Learning Network)	2003-06	125,000.
Canadian Institutes for Health Research (Training)	2003-08	1,500,000.
Natural Sciences and Engineering Research Council (Operation)	2003-07	240,000.
Canadian Institutes for Health Research (Strategic Grant)	2003-08	3,750,000.

Max Bell Foundation (Program Funding)	2004-07	120,000.
Canadian Institutes of Health Research (Operating)	2004-07	295,000.
National Institutes of Child Health and Development	2006-11	1,350,000.
Human Frontiers Science Program (Program; Meaney PI)	2006-09	1,500,000.
Canadian Institutes of Health Research (Operating)	2007-12	1,040,000.
Canadian Institutes of Health Research (Operating)	2007-12	540,000.
Canadian Institutes of Health Research (Operating)	2008-13	730,000.
Natural Sciences and Engineering Research Council (Operation)	2008-13	288,000.
Canadian Institutes of Health Research (Operating)	2009-14	710,000.
Canadian Institutes for Health Research (Operating)	2009-11	326,000.
Hope for Depression Research Foundation	2010-11	110,000.
Hope for Depression Research Foundation	2011-13	200,000.
A*STAR (Singapore) IAF Platform grant (Meaney Co-Director)	2011-14	9,990,000.
Canadian Institutes for Health Research (Operating)	2012-17	690,000.
Natural Sciences and Engineering Research Council (Operation)	2013-18	285,000.
Brain Canada (Operation)	2013-16	1,494,000.
Hope for Depression Research Foundation	2013-16	1,305,000.

Funding Agency Committees

FRSQ	Programme en Santé Mentale	1986-90
NIH	Program Grant, Site Visit Committee	1992
NIH (Allergy Section)	Committee Member	1992
FRSQ	Post-Doctoral Fellowship Program Committee	1992-94
	Member	1992-1994
	Vice-President	1994-1995
	President	1995-1996
CIHR	Behavioral Sciences Committee	1989-2000
	Member	1989-1992
	Member	1995-1996
	Scientific Officer	1996-1998
	Chair	1998-2000
NASA Space Agency	Ad hoc Member	1999-00
NIH	Committee Member	1999-00
American Chem. Council	Member	2002-03
CIHR	Senior Investigators Committee	2003-04
CIHR	New Investigators Committee	2004-06
NIH	Committee Member (Ad Hoc)	2005
NIDA	Committee Member (Ad Hoc)	2006
NIH	Committee Member (Ad Hoc)	2006
CIHR	New Investigators Committee (Chair)	2007
CIHR	Behavioural Sciences C (Chair)	2007
CIHR	New Investigators Committee (Chair)	2007-
NIMH	NIH Epigenome Roadmap Grants Panel	2009

Research Interests

Development; Epigenetics; Gene x Environment Interactions; Chromatin Remodeling; Gene Transcription; Maternal Care; Steroid Receptors Signaling; Stress; Sexual Differentiation; Metabolism & Obesity; Reproductive and Social Behaviour.

Graduate Student Training

Linda Iny	PhD	Psychology	Concordia University	1984-92
Shari Bodnoff	PhD	Psychology	Concordia University	1985-92
Seema Bhatnagar	PhD	Neuroscience	McGill University	1988-94
Victor Viau	PhD	Neuroscience	McGill University	1990-94
Amalia Issa	MSc	Neuroscience	McGill University	1988-91
Anton Gillich	MSc	Neuroscience	McGill University	1988-92
Katia Betito*	PhD	Pharmacology	McGill University	1988-92
Dayan O'Donnell	PhD	Neuroscience	McGill University	1990-95
Wayne Rowe*	PhD	Neuroscience	McGill University	1990-97
Donald McIntosh	MSc	Neuroscience	McGill University	1991-93
Beth Tannenbaum	PhD	Neuroscience	McGill University	1991-97
Darlene Francis	PhD	Neuroscience	McGill University	1992-99
Sonia Lupien*	PhD	Neuroscience	Université de Montréal	1992-95
Patricia Laplante	MSc	Neuroscience	McGill University	1995-97
Christian Caldji	PhD	Neuroscience	McGill University	1996-05
Dong Liu	PhD	Neuroscience	McGill University	1996-02
Francis Champagne	PhD	Neuroscience	McGill University	1999-04
Tim Bredy	PhD	Neuroscience	McGill University	1999-04
Ian Weaver	PhD	Neuroscience	McGill University	1999-06
Carine Parent	PhD	Neuroscience	McGill University	2003-13
Cathy Nesbitt	MSc	Neuroscience	McGill University	2003-08
Rose Bagot	PhD	Neuroscience	McGill University	2004-10
Dara Shahrokh	PhD	Neuroscience	McGill University	2004-10
Kelli McAllister	MSc	Neuroscience	McGill University	2005-07
Sabine Dhir	MSc	Neuroscience	McGill University	2005-
Ian Hellstrom	PhD	Neuroscience	McGill University	2006-11
Mathieu Parent	MSc	Neuroscience	McGill University	2006-09
Adina del Corpo	MSc	Neuroscience	McGill University	2007-09
Katherine O'Donnell	MSc	Psychiatry	McGill University	2008-12
André-Anne Bouvette*	MSc	Psychiatry	Université de Montréal	2009-
Naghmeh Rastegar	PhD	Neuroscience	McGill University	2011-
Nguyen Huy-Binh	PhD	Neuroscience	McGill University	2011-
Lawrence Chen	PhD	Neuroscience	McGill University	2014-

* As co-supervisor

Post-Doctoral Training

Alain Sarrieau	Post-Doctoral	Psychiatry	INSERM, Bordeaux	1988-90
John Mitchell	Post-Doctoral	Psychiatry	Concordia University	1988-90
James Smythe	Post-Doctoral	Psychiatry	Carleton University	1990-93

Cheryl McCormick	Post-Doctoral	Psychiatry	MacMaster University	1990-93
Nola Shanks	Post-Doctoral	Psychiatry	Carleton University	1991-93
Clarissa Desjardins	Post-Doctoral	Psychiatry	McGill University	1992-94
Elaine McNiven	Post-Doctoral	Psychiatry	MacMaster University	1992-93
Shelley Weaver	Post-Doctoral	Psychiatry	University of Alberta	1996-99
Lisa Kalynchuk	Post-Doctoral	Psychiatry	University of British Col.	1996-99
Jamie Day	Post-Doctoral	Psychiatry	University of Alberta	1996-99
Jens Pruessner	Post-Doctoral	Psychiatry	University of Trier (Germany)	1997-01
Janet Menard	Post-Doctoral	Psychiatry	University of Alberta	1999-02
Helene Gaudreau	Post-Doctoral	Psychiatry	Université de Montréal	2001-03
Danielle Champagne	Post-Doctoral	Psychiatry	McGill University	2002-03
Kumi Ozaki-Kuroda	Post-Doctoral	Psychiatry	University of Osaka	2002-04
Tie-Yuan Zhang	Post-Doctoral	Psychiatry	Seoul University (Korea)	2002-08
Nathalie Morgues	Post-Doctoral	Psychiatry	Université de Bordeaux	2002-03
Nicole Cameron	Post-Doctoral	Psychiatry	Boston University	2003-09
Naomi Popeski	Post-Doctoral	Psychiatry	Concordia University	2003-07
Eric Fish	Post-Doctoral	Psychiatry	Tufts University	2003-05
Patrick McGowan	Post-Doctoral	Psychiatry	Duke University	2005-10
Patricia Silveira	Post-Doctoral	Psychiatry	Brazil	2005-10
Yoshinari Takahashi	Post-Doctoral	Psychiatry	Japan	2005-08
Laurent Kappeler	Post-Doctoral	Psychiatry	INSERM, France	2008-11
Marie-Helene Pelletier	Post-Doctoral	Psychiatry	Université de Montréal	2010-
Anita Thambirajah	Post-Doctoral	Psychiatry	University of Victoria	2010-
Kieran O'Donnell	Post-Doctoral	Psychiatry	Imperial College London	2011-
Rachel Massicotte	Post-Doctoral	Psychiatry	Université de Montréal	2011-
Joseph Foley	Post-Doctoral	Psychiatry	Stanford University	2013-
Christoph Anacker	Post-Doctoral	Psychiatry	University College London	2013-
Eva Unternährer	Post-Doctoral	Psychiatry	University of Basel	2014-
Shantala Dass	Post-Doctoral	Psychiatry	Nanyang Technical University	2014-

Journal Editorial Boards

Member Editorial Board	Behavioral Neuroscience	1991-97
Member Editorial Board	Developmental Psychobiology	1991-95
Member Editorial Board	Journal of Neuroendocrinology	1996-05
Member Editorial Board	Hormones and Behavior	1996-
Member Editorial Board	Journal of Endocrinology	2000-
Member Editorial Board	Stress	2000-
Member Editorial Board	Biological Psychiatry	2000-
Member Editorial Board	Endocrinology	2000-05
Faculty of 1000	Biology Reports	2002-
Section Editor	Epigenetics	2005-
Member Editorial Board	Frontiers in Behavioral Neuroscience	2007-
Member Editorial Board	Experimental Neurology	2011-
Member Editorial Board	Annual review of Psychology	2011-

Advisory Committees

- National Health/Education Consortium (National Commission to Prevent Infant Mortality), Washington, D.C., 1990.
- MacArthur Foundation: Stress and Disease Study group, 1992-present.
- NIMH 'Redbook' Study Group on Neuroscience Research Funding Policy for the coming decade, 1993.
- International Scientific Advisory Committee for Psychoneuroendocrinology meeting, Seattle, 1994.
- Catecholamine and Other Neurotransmitters in Stress meeting, Bratislava, Slovakia, 1999.
- International Scientific Advisory Committee for International Society for Psychoneuroendocrinology meeting, Trier, Germany, 1998.
- International Scientific Advisory Committee for Developmental Neuroendocrinology, 1999.
- National Academy of Science Committee on the Future of Behavioral and Social Sciences at NIMH, 1999-2000.
- International Council for Research on the Fetal Origins of Adult Disease.
- Scientific Advisory committee, Boderline Personality Foundation.
- Scientific Advisory Board, Sackler Foundation.
- The Neurobiology Subcommittee of ACNP Task Force on Bioterrorism.
- A.E. Bennet Research Award Selection Committee (Society for Biological Psychiatry).
- NICHD committee Pregnancy and Women's Health.
- Canadian Institute for Advanced Research, Member, Environmentally-Driven Brain Development Network.
- NIMH Neurodevelopment Workgroup.

Academic Invited Lectures

- Department of Food and Nutritional Sciences, Massachusetts Institute of Technology, Cambridge, Massachusetts, June, 1981.
- INSERM, Unite 55, Hôpital-St. Antoine, Paris, France, August, 1983.
- Allan Memorial Institute, McGill University, Montreal, Quebec, September, 1984.
- Centre for Research in Human Development, Concordia University, Montreal, Quebec, November, 1984.
- Department de Psychologie, Université de Montréal, Montreal, Quebec, November, 1984.
- Centre for Human Genetics, Lady Davis Institute for Medical Research, Montreal, Quebec, January, 1985.
- Department of Anatomy, McGill University, Montreal, Quebec, April, 1985.
- Department of Psychology, Carleton University, Ottawa, Ontario, April, 1985.
- Department of Biology, Concordia University, Montreal, Quebec, November, 1985.
- Department of Obstetrics and Gynecology, Royal Victoria Hospital, Montreal, Quebec, December, 1985.
- Department of Psychology, Queen's University, Kingston, Ontario, October, 1986.
- Canadian Association on Gerontology, Symposium on "Developmental and Post-Maturational Influences on Neural and Endocrine Aging", Quebec, Quebec, November, 1986.
- Invited speaker, International Developmental Neuroscience Society, Jerusalem, Israel, Symposium on "Effects of Glucocorticoids on Neural Development", June, 1988.
- Neuroscience Program, Memorial University, St. John's, Newfoundland, August, 1988.
- Department of Neurology, Montreal General Hospital, Montreal, Quebec, September, 1988.
- Department of Pharmacology, McGill University, Montreal, Quebec, October, 1988.
- Department of Pediatrics, Montreal Children's Hospital, Montreal, Quebec, October, 1988.

- Pediatric Research Institute, St. Louis University, St. Louis, Missouri, December, 1988.
- Neurobiology & Behavior Program, University of Massachusetts, Amherst, Massachusetts, December, 1988.
- Cleveland Metropolitan General Hospital, Case Western Reserve University, Cleveland, Ohio, February, 1989.
- Department of Psychology, University of Ottawa, Ottawa, Ontario, March, 1989.
- Montreal Neurological Institute, Department of Neurology and Neurosurgery, Montreal, Quebec, April, 1989.
- Johnson & Johnson Round Table on “The Effects of Touch on Development”, invited speaker, Key Biscayne, Florida, May, 1989.
- American Association of Child Psychiatry Meeting, invited speaker, Symposium on “Neurobiological Consequences of Child Abuse”, New York, New York, October, 1989.
- The Rockefeller University, Neuroscience Seminar Series, New York, New York, October, 1989.
- Department of Pharmacology, Queens University, Kingston, Ontario, October, 1989.
- Grand rounds, Department of Pediatrics, Montreal Children's Hospital, Montreal, Quebec, December, 1989.
- Department of Physiology, University of California at San Francisco, January, 1990.
- Biotechnology Center, Ohio State University, Columbus, Ohio, February, 1990.
- Department of Psychology, The University of Rochester, Rochester, New York, March 1990.
- NIH Workshop on “Neural Plasticity”, invited speaker, Poolesville, Maryland, April, 1990.
- Wyeth Ayerst Research, Princeton, New Jersey, April, 1990.
- International Congress of Neuroendocrinology, invited speaker, Bordeaux, France, June, 1990.
- International College of Neuropsychopharmacology, Satellite meeting on Satellite Symposium on “Long-Term Effects of Perinatal Drug Exposure”, invited speaker, Tokyo, Japan, September, 1990.
- National Health/Education Consortium (National Commission to Prevent Infant Mortality), invited speaker, workshop, Washington, D.C., December, 1990.
- Department of Psychology, Psychobiology Group, University of Toronto, Toronto, Ontario, February, 1991.
- Neuroscience Program, Department of Physiology, University of Calgary, Calgary, Alberta, February, 1991.
- Plenary Session, invited speaker, Canadian College of Neuropsychopharmacology, Hamilton, Ontario, June, 1991.
- Invited speaker, American Society of Pharmacology and Experimental Therapeutics, San Diego, California, August, 1991.
- Invited participant and speaker, MacArthur Foundation Health Science Symposium, Wake Forest University, Winston-Salem, North Carolina, September, 1991.
- Endocrine Seminar Series, Department of Obstetrics and Gynecology, Royal Victoria Hospital, McGill University, Montreal, Quebec, October, 1991.
- Mount Sinai School of Medicine, Fishberg Research Center in Neurobiology, New York, New York, November, 1991.
- Participant and Speaker, MacArthur Foundation Workshop on Stress and Health, The Rockefeller University, New York, New York, February, 1992.
- Department of Psychology, Carleton University, Ottawa, Ontario, February, 1992.
- Symposium on “Glucocorticoids and the Central Nervous System”, American Anatomical Association, Washington, DC, March, 1992.
- Neuroscience Program, University of Illinois, Urbana-Champaign, Illinois, April, 1992.
- Invited Speaker, Symposium of “Neural Survival and Regeneration”, Madrid, Spain, May, 1992.
- Neuroscience Program, Johns Hopkins University, Baltimore, Maryland, May, 1992.
- Invited speaker, Lipid and Lipoprotein Group, Faculty of Medicine, University of Alberta, Edmonton, Alberta, July, 1992.

- Invited Speaker, Selye Conference on CRF and Cytokines, Montreal, Quebec, August, 1992.
- Invited Speaker, American Alzheimer Association Symposium, Chicago, Illinois, October, 1992.
- Participant and Speaker, MacArthur Foundation Workshop on Stress and Health, Palm Beach, Florida, January, 1993.
- Colloquium speaker, Departments of Pharmacology and Psychiatry, University of Pennsylvania, Philadelphia, Pennsylvania, January, 1993.
- Neurobiology of Aging Symposium, Louisiana Psychiatric Association, Shreveport, Louisiana, March, 1993.
- Mental Health Research Institute, University of Michigan, Ann Arbor, Michigan, April, 1993.
- Participant and Speaker, MacArthur Foundation Workshop on Stress and Health, The Rockefeller University, New York, New York, May, 1993.
- Invited Speaker, International Congress of Physiological Sciences, Glasgow, Scotland, August, 1993.
- NIMH Neuroscience Workshops, invited participant. Section 5: Neuromodulators of Behavior. Bethesda, Maryland, November, 1993.
- Department of Pharmacology, University of Edinburgh, Edinburgh, Scotland, October, 1994.
- Invited Speaker, New York Academy of Sciences Symposium on Brain Corticosteroid Receptors: Studies on Mechanism, Function, and Neurotoxicity of Corticosteroid Action, Arlington, Virginia, March 1994.
- Department of Medicine, Bristol University, Bristol, England, May, 1994.
- Invited Speaker, First International Symposium on Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria, July 24-30, 1994.
- Invited speaker, International Society for Psychoneuroendocrinology, Symposium on "Neuroendocrine of Aging", Seattle, Washington, August, 1994.
- Invited Plenary Lecture, NIAAA symposium on "Stress, Gender and Alcoholism", Crystal City, Virginia, September 23-25, 1994.
- Ground Rounds, Departments of Pediatrics and Psychiatry, Montreal Children's Hospital, December, Montreal, Quebec, 1994.
- Invited speaker, Servier Pharmaceutiques, Symposium on Tianeptine in Age-Related Memory Impairments, Paris, France, February, 1995.
- Invited speaker, Fourth annual meeting Hormone Action and Brain Function, Breckenridge, Colorado, March, 1995.
- Seminar speaker, Neuroscience Program, University of Massachusetts, Worcester, Massachusetts, May, 1995.
- Invited speaker, RVH Psycho-oncology Program, Research Symposium, Royal Victoria Hospital, Montreal, Quebec, May, 1995.
- Speaker, Grand Rounds, Department of Psychiatry, St. Mary's Hospital, Montreal, Quebec, May, 1995.
- Invited speaker, Academy of Behavioral Medicine Research, Symposium on "Molecular Biological Approaches to Stress Research", Williamsburg, Virginia, June, 1995.
- Invited speaker, Department of Psychiatry, McGill University, Montreal, Quebec, June, 1995.
- Invited speaker, Sixth Symposium on Catecholamines and Other Neurotransmitters in Stress, Bratislava, Slovakia, June, 1995.
- Invited speaker, Department of Psychology, Emory University, Atlanta, Georgia, September, 1995.
- Invited speaker, New York Academy of Sciences meeting on Aggression and Abuse in Children, New York, New York, October, 1995.
- Invited speaker, International Society for Developmental Psychobiology, Symposium on "Developmental Shaping of Adult Traits: Physiological Mechanisms", San Diego, California, November, 1995.
- Invited speaker, Neurosciences Program Seminar Series, University of Western Ontario, London, Ontario, February, 1996.
- Invited speaker, "Brain and Biology: A New View of the Nature of the Nature/Nurture Debate", Seminar Series, The Rockefeller University, New York, New York, January, 1996.

- Invited speaker, Neuroscience Program Seminar Series, Université du Québec à Montréal, Montreal, Quebec, February, 1996.
- Invited speaker, Department of Physiology, Departmental Seminar, University of Toronto, Toronto, Ontario, May, 1996.
- Invited speaker, International Society for Behavioral Medicine, Washington, D.C., March, 1996.
- Invited speaker, American Psychiatric Association meeting, Symposium of Post-Traumatic Stress Disorder, New York, New York, May, 1996.
- Invited participant, MacArthur Foundation, Workshop on Salivary Hormone Assays, New York, New York, May 1996.
- Invited speaker, International Society for Endocrinology, San Francisco, California, June, 1996.
- Invited speaker, International Congress of Neuropharmacology, Symposium on “New Advances in Corticosteroid Receptor Action”, Melbourne, Australia, June, 1996.
- Invited speaker, International Congress of Neuropharmacology, Symposium on “Early Life Events and Vulnerability for Depression”, Melbourne, Australia, June, 1996.
- Invited speaker, International Society for Psychoneuroendocrinology, Symposium of Corticosteroids and Brain Function, Portugal, August, 1996.
- Invited speaker, NIH Neuroimmunomodulation meeting, Bethesda, Maryland, November, 1996.
- Invited speaker, STEP Program “Behavioral Biology” NIH, Bethesda, Maryland, November, 1996.
- Invited speaker, INSERM Unité 258, Université de Bordeaux, Bordeaux, France, December, 1996.
- Invited speaker, Endocrinology Grand Rounds, Case Western Reserve University, Cleveland, Ohio, May, 1997.
- Invited speaker, Pediatrics, Case Western Reserve University, Cleveland, Ohio, May, 1997.
- Invited speaker, Dept. of Clinical and Physiological Psychology, University of Trier, Trier, Germany, June, 1997.
- Invited speaker, Selye Stress Symposium, Budapest, Hungary, June 1997.
- Presidential Symposium Speaker, Society for Neuroscience, New Orleans, Louisiana, November, 1997.
- Invited speaker, Neurobiology of Stress Symposium, International Society for Traumatic Stress Studies, Montreal, Quebec, November, 1997.
- Colloquium speaker, University of Maryland, Baltimore, Maryland, November, 1997.
- Invited speaker, Family medicine Grand Rounds, Wayne State University, Detroit, Michigan, January, 1998.
- Colloquium speaker, Department of Psychology, Concordia University, Montreal, Quebec, February, 1998.
- Invited speaker, Neuroscience Seminar series, New York Academy of Science, New York, New York, March, 1998.
- Invited plenary speaker, Neuroscience Day, Vanderbilt University, Nashville, Tennessee, March, 1998.
- Plenary speaker, Department of Psychiatry Research Day, McMaster University, Hamilton, Ontario, April, 1998.
- Invited speaker and participant, NIMH Workshop on Research in Psychopharmacology, Bethesda, Maryland, May, 1998.
- Invited speaker and participant, MacArthur symposium on Positive Feelings and Health, Chicago, Illinois, May, 1998.
- Invited speaker, Symposium on Models of Psychopathology, University of Tel Aviv, Tel Aviv, Israel, June, 1998.
- Invited speaker, Symposium on Long-Term Effects of Steroid Hormones in Development, Behavioral Neuroendocrinology meeting, Atlanta, Georgia, June, 1998.
- Invited lecturer, Brain and Behavior seminar series, The Rockefeller University, New York, New York, June, 1998.
- Invited speaker, Neuroendocrinology Satellite meeting, Endocrine Society meeting, New Orleans, Louisiana, June, 1998.

- Invited speaker, Head Start Conference, Washington, D.C., July, 1998.
- Invited speaker, International Congress on Neuroimmunology, Montreal, Quebec, August, 1998.
- Invited speaker, International Society for Psychoneuroendocrinology meeting, Trier, Germany, August, 1998.
- Invited speaker, Symposium of Environmental Regulation of Gene Programming and Heart Disease, Leicester, England, September, 1998.
- Presidential address, Society for Psychophysiological research, Denver, Colorado, September, 1998.
- Invited speaker, Symposium on Occupational and Environmental Health, International Congress on Neuroendocrinology, Kitakyushu City, Japan, October, 1998.
- Invited speaker, Pharmacia-Upjohn panel on "Pre-clinical Models of Depression", Chicago, Illinois, November, 1998.
- Colloquium speaker, Department of Physiology, Université de Montréal, Montréal, Quebec, January, 1999.
- Colloquium speaker, Department of Psychology, Dalhousie University, Halifax, Nova Scotia, January, 1999.
- Invited Speaker, Neurodevelopmental Aspects of Psychopathology conferences, Emory University, Atlanta, Georgia, January, 1999.
- Chair, NIMH Panel on Animal Models of Anxiety, Bethesda, Maryland, February, 1999.
- Colloquium speaker, Department of Psychology, Wilfred Laurier University, Kitchener-Waterloo, Ontario, March, 1999.
- Invited Speaker, Pharmacia-Upjohn Symposium on Norepinephrine and Anxiety, Key West, Florida, March, 1999.
- Invited participant, Pharmacia-Upjohn Conference on Growth Hormone, Aylesborough, England, March, 1999.
- Presidential Speaker, Biological Psychiatry meeting, Washington, D.C., May, 1999.
- Invited speaker, Wisconsin Symposium on Emotion, Depts. of Psychology and Psychiatry, University of Wisconsin, Madison, Wisconsin, April, 1999.
- Invited speaker, Hormones and Aging symposium, British Endocrine Society, Bournemouth, England, April, 1999.
- Ground Rounds Speaker, Department of Psychiatry, McMaster University, Hamilton, Ontario, June, 1999.
- Invited speaker, Department of Epidemiology, Columbia University, New York, New York, June, 1999.
- NIDA meeting New Orleans, New Orleans, Louisiana, June, 1999.
- Plenary Lecture, Maternal Brain Symposium, University of Bristol, Bristol, United Kingdom, July, 1999.
- Invited speaker, National Institute on Drug Abuse, Symposium on Stress and Drug Abuse, Bethesda, Maryland, September, 1999.
- Colloquium speaker, Department of Pharmacology, McGill University, Montreal, Quebec, September, 1999.
- Invited speaker, Symposium on the Biology of Aging, Department of Anatomy and Neurobiology, University of Kentucky, Lexington, Kentucky, October, 1999.
- Invited speaker, Brain Research Institute, University of Chicago, Chicago, Illinois, November, 1999.
- Invited speaker, Ground Rounds, Department of Psychiatry, Yale University, New Haven, Connecticut, November, 1999.
- Colloquium speaker, Cognitive Neuroscience group, Université du Québec à Montréal, Montreal, Quebec, December, 1999.
- Invited speaker, American College of Neuropsychopharmacology, Acapulco, Mexico, December, 1999.
- Invited speaker, Killiam Lecture Series, Department of Neurology & Neurosurgery, McGill University, Montreal, Quebec, January, 2000.
- Grand Rounds Speaker, Department of Pediatrics, Montreal Children's Hospital, Montreal, Quebec, January, 2000.

- Invited speaker, Conference on Stress, Hormones and Pregnancy, Udine, Italy, February, 2000.
- Invited speaker, Department of Psychiatry, University of Minnesota, Minneapolis, Minnesota, March, 2000.
- Patricia Barchus Award recipient and speaker, American Psychosomatic Association, Savannah, Georgia, March, 2000.
- Invited speaker, Servier workshop on Aging, Depression, Anxiety and Stress: New drugs and new clinical tools, New York, New York, March, 2000.
- Invited symposium speaker, Anxiety Disorders Association of America meeting, Washington, D.C., March, 2000.
- Lecturer, Behavioural Neuroscience Seminar Series, The Rockefeller University, New York, New York, April, 2000.
- Invited speaker, Neuroscience Program, Rutgers University, Brunswick, New Jersey, May, 2000.
- Invited speaker, Department of Psychology, University of Chicago, Chicago, Illinois, May, 2000.
- Invited speaker, Department of Psychiatry, University of California at San Francisco, San Francisco, California, June, 2000.
- Invited lecturer, Woods Hole Summer program on Cognitive Neuroscience, Woods Hole, New York, June, 2000.
- Plenary lecture speaker, Second International Congress on Hormones, Brain and Neuropsychopharmacology, Rhodes, Greece, July, 2000.
- Invited speaker, Cambridge symposium on Constraints on Development, Cambridge, United Kingdom, July, 2000.
- Plenary lecturer, Annual meeting of the MARCE Society, Manchester, United Kingdom, September, 2000.
- Invited speaker, International Society for Developmental Neuroendocrinology, Cambridge, United Kingdom, September, 2000.
- Invited speaker, European Pediatric Society, Rhodes, Greece, September, 2000.
- Invited speaker, Department of Neurology, Gallo Centre, University of California at San Francisco, San Francisco, California, November, 2000.
- Invited speaker, Neuroscience Seminar Series, University of California at San Francisco, San Francisco, California, November, 2000.
- Grass Lecturer, Neuroscience Program, Wake Forest University - Bowman Gray Medical College, Winston-Salem, North Carolina, December, 2000.
- Invited speaker, National Institutes of Mental Health, Director's seminar series, Bethesda, Maryland, January, 2001.
- Invited speaker, Neuroscience Program, University of Michigan, Ann Arbor, Michigan, January, 2001.
- Plenary lecture, International Congress on Fetal Origins of Adult Disease, Mumbai (Bombay) India, February, 2001.
- Invited speaker, American Association for the Advancement of Science, San Francisco, California, February, 2001.
- Plenary lecture, International Conference on Women's Mental Health, Berlin, Germany, March, 2001.
- Plenary speaker, German Society for Psychology and Psychiatry, Lubeck, Germany, April, 2001.
- Plenary speaker, British Neuroscience Association, Harrogate, England, April, 2001.
- NBTS Distinguished Lecture, Neurobehavioral Teratology Society (NBTS) meeting, Montreal, Quebec, June, 2001.
- Invited speaker, International Congress of Developmental Biology, Kyoto, Japan, July, 2001.
- Invited speaker, International Union of Physiological Sciences, Auckland, New Zealand, August, 2001.
- Plenary lecture, International Pediatric Research Society, Mont Tremblant, Quebec, September, 2001.
- Colloquium speaker, Department of Zoology, University of Oklahoma, Oklahoma, December, 2001.
- Colloquium speaker, Department of Biology, Boston University, Boston, Massachusetts, January, 2002.

- Invited speaker, Department of Psychology and Psychiatry, University of Trier, Trier, Germany, February, 2002.
- Invited speaker, Department of Psychiatry, MacMaster University, Hamilton, Ontario, March, 2002.
- Invited speaker, Sedona Conference on the Influence of Early Life Events, Sedona, Arizona, April, 2002.
- Colloquium speaker, Neuroscience Program, University of California, Los Angeles, California, May, 2002.
- Symposium invited speaker, Annual meeting of The Endocrine Society, San Francisco, California, June, 2002.
- Symposium invited speaker, Adrenal 2002 Meeting, San Francisco, California, June, 2002.
- Symposium invited speaker, International Congress of Neuroendocrinology, Bristol, England, September, 2002.
- Plenary speaker, International Conference on Stress, Edinburgh, Scotland, September, 2002.
- CIHR Plenary speaker, Perinatal Research Society meeting, San Jose, California, September, 2002.
- Invited public speaker, Institute for Mental Health Research, University of Ottawa, Ottawa, October, 2002.
- Colloquium speaker, Neurosciences Program, University of Pennsylvania, Philadelphia, Pennsylvania, October, 2002.
- Invited speaker, International Traumatic Stress Society, Baltimore, Maryland, November, 2002.
- Plenary speaker, International Society for Eating Disorders, Charleston, South Carolina, November, 2002.
- Distinguished Lecture Series, National Institute of Mental Health, Bethesda, Maryland, December, 2003.
- Presidential plenary lecture, American College of Neuropharmacology meeting, Puerto Rico, December, 2002.
- Symposium speaker, American College of Neuropharmacology meeting, Puerto Rico, December, 2002.
- Symposium speaker, Developmental Neurobiological Origins of Schizophrenia, Juan March Society, Madrid, Spain, February, 2003.
- Colloquium speaker, Neurosciences Program, Ohio State University, Columbus, Ohio, March 2003.
- Plenary Speaker, International Conference on Development and Neonatology Intensive Care, London, United Kingdom, March, 2003.
- Symposium speaker, American Psychiatric Association annual meeting, San Francisco, California, May, 2003.
- Symposium speaker, International Conference on Child and Youth Health, Vancouver, British Columbia, May, 2003.
- Invited speaker, Neuroscience Program, University of British Columbia, Vancouver, British Columbia, May 2003.
- Symposium speaker, Dutch Neuroscience – Endocrinology meeting, Doorwerth, The Netherlands, June, 2003.
- Symposium speaker, International Congress on Fetal Origins of Adult Disease, Brighton, United Kingdom, June 2003.
- Keynote address, Society for Behavioral Neuroendocrinology, Cincinnati, Ohio, June, 2003.
- Invited lecturer, Riken Brain Research Institute, Summer Program, Tokyo, Japan, August, 2003.
- Plenary speaker, American Psychosomatic Society annual meeting, Honolulu, Hawaii, August, 2003.
- Symposium speaker, Annual meeting of the International Society for Psychoneuroendocrinology, The Rockefeller University, New York, New York, September, 2003.
- Banquet speaker, Centre for Studies in Neuroendocrinology, University of Massachusetts, Amherst, Massachusetts, October, 2003.
- Keynote speaker, Annual meeting of the Canadian Academy for Child & Adolescent Psychiatry, Halifax, Nova Scotia, November, 2003.

- Colloquium speaker, Department of Psychology, Columbia University, New York, New York, December, 2003.
- Invited speaker, Lifelong Learning Network, OECD Education Branch, Tokyo, Japan, January, 2004.
- Invited speaker, Gordon Research Conference, Genes and Behavior, Ventura, California, February, 2004.
- Symposium speaker, Basic and clinical science of violence prevention, New York Academy of Sciences, New York, New York, April, 2004.
- Grand Rounds speaker, Department of Psychiatry, Columbia University, New York, New York, May, 2004.
- Plenary speaker, Pediatric Academic Societies meeting, San Francisco, California, May, 2004.
- Invited symposium speaker, Annual meeting of the International Society for Psychoneuroendocrinology, Glasgow, Scotland, July, 2004.
- Colloquium speaker, Department of Pharmacology, University of Lieden, Leiden, The Netherlands, August, 2004.
- Plenary speaker, Annual meeting of the European Ecology and Behavioral Biology Society, Gronigen, The Netherlands, August, 2004.
- Invited speaker, European Conference on Behavioral and Neural Plasticity, Rome, Italy, September, 2004.
- Roy Jones lecture, Canadian Psychiatric Association meeting, Montreal, Quebec, October, 2004.
- Invited presenter, Mind and Life Organization meeting with The Dhali Lama, Dharmasala, India, October, 2004.
- Featured lecture, Annual meeting of the Society for Neuroscience, San Diego, California, October, 2004.
- Endocrine Grand Rounds, McGill University Hospital Centre, Montreal, Quebec, November, 2004.
- Invited speaker, Nature – Nurture Conference, The Psychiatric Institute, Maudsley Institute, London, United Kingdom, November, 2004.
- Colloquium speaker, Neuroscience Program, Brown University, Providence, Rhode Island, December, 2004.
- Grand Rounds, Department of Psychiatry, Yale University, New Haven, Connecticut, December, 2004.
- Colloquium speaker, Department of Psychology, University of Pennsylvania, Philadelphia, Pennsylvania, January, 2005.
- Invited speaker, OECD Lifelong Learning Network Symposium, RIKEN Institute, Tokyo, Japan, January, 2005.
- Speaker, Grand Rounds, Psychiatry, Jewish General Hospital, Montreal, Quebec, February, 2005
- Colloquium speaker, Department of Epidemiology, McGill University, Montreal, Quebec, February, 2005.
- Invited speaker, Post-Traumatic Stress Disorder Conference, Kyoto – Tokyo, Japan, February, 2005.
- Public lecture, Brain Awareness Week, Vanderbilt University, Nashville, Tennessee, March, 2005.
- Colloquium speaker, Neuroscience Program, Vanderbilt University, Nashville, Tennessee, March, 2005.
- Symposia speaker, Anxiety Disorders of America Association annual meeting, Seattle, Washington, March, 2005.
- Keynote speaker, Child Mental Health Centre, Yale University, New Haven, Connecticut, March 2005.
- Colloquium speaker, Zoology Department, University of Texas, Austin, Texas, April, 2005.
- Colloquium speaker, Neuroscience Program, Princeton University, Princeton, New Jersey, April, 2005.
- Grand Rounds Speaker, Department of Psychiatry, University of Chicago, Chicago, Illinois, April, 2005.
- Plenary speaker, Annual meeting of the Society for Biological Psychiatry, Atlanta, Georgia, May, 2005.
- Frontiers in Science lecture, Annual meeting of the American Psychiatric Association, Atlanta, Georgia, May, 2005.
- Symposium speaker, Annual meeting of the American Psychiatric Association, Atlanta, Georgia, May, 2005.

- Speaker, Behavioral Neuroscience Centre, Emory University, Atlanta, Georgia, May, 2005.
- Plenary speaker, Developmental Sciences Program, University of North Carolina, Chapel Hill, North Carolina, May, 2005.
- Symposium speaker, Annenberg Foundation meeting on Adolescent Brain Development, Philadelphia, Pennsylvania, June, 2005.
- Williams Lecture, Memorial University, St. John's, Newfoundland, July, 2005.
- Heinz Lehmann Award Lecture, Canadian College of Neuropsychopharmacology, St. John's, Newfoundland, July, 2005.
- Symposium speaker, International Society for Psychoneuroendocrinology, Montreal, Quebec, September, 2006.
- Symposium speaker, New York Academy of Sciences meeting on Psychobiology of Post-Traumatic Stress Disorder, New York, New York, September, 2006.
- Presidential Scholar's lecture, Mission Bay Campus, University of California at San Francisco, San Francisco, California, October, 2005.
- Colloquium, School of Public Health, University of California at Berkeley, Berkeley, California, October, 2005.
- Colloquium, Department of Psychology, University of California at Davis, Davis, California, October, 2005.
- Plenary speaker, International Congress on Developmental Origins of Health and Disease, Toronto, Ontario, November, 2005.
- Distinguished lecture series speaker, National Institute for Environmental and Health Sciences, Raleigh, North Carolina, January, 2006.
- Colloquium speaker, Department of Physiology, University of Toronto, Toronto, Ontario, March, 2006.
- Gerald Klerman Award Lecture, Department of Psychiatry, Cornell University, New York, New York, March 2006.
- Symposium Speaker, Annual meeting of the Canadian Developmental Biology Conference, Mont-Tremblant, Quebec, April, 2006.
- Colloquium speaker, Neuroscience Program, Case Western Reserve University, Cleveland, Ohio, May, 2006.
- Colloquium speaker, Department of Neurobiology, University of Massachusetts Medical Centre, Worcester, Massachusetts, May 2006.
- Plenary lecture, Symposium on Human Biology, University of Wisconsin, Madison, Wisconsin, May 2006.
- Symposium speaker, Nobel Mini-Symposium on Nurturing of the Child's Brain, Karolinska Institute, Stockholm, Sweden, May 2006.
- Invited speaker, REFO Committee, Swedish House of Parliament (Riksdag), Stockholm, Sweden, May 2006.
- Plenary lecture, International Behavioral Neuroscience Society, Whistler, British Columbia, May, 2006.
- Symposium speaker, Annual meeting of the Endocrine Society, Boston, Massachusetts, June, 2006.
- Keynote speaker, Brain Development and Learning Conference, Vancouver, British Columbia, August, 2006.
- Invited speaker, Karolinska – Toronto Summer School in Obstetrics/Gynecology, Toronto, Ontario, August, 2006.
- Invited speaker, Roche/Nature Medicine Translational Neuroscience Symposium, Palo Alto, California, September, 2006.
- Plenary speaker, Julius Richmond Symposium, Harvard University, Cambridge, Massachusetts, September, 2006.
- Colloquium speaker, Department of Physiology, McGill University, Montreal, Quebec, September, 2006.
- Keynote speaker, Psychiatry research Day, University of Dalhousie, Halifax, Nova Scotia, October, 2006

- Keynote speaker, Annual meeting of the Finnish Psychiatric Association, Helsinki, Finland, October, 2006.
- Invited lecture, Neuroscience Institute, University of Helsinki, Helsinki, Finland, October, 2006.
- Invited lecturer, Institute for Science and Technology, Molecular Medicine Conference, Mahidol University, Bangkok, Thailand, November, 2006.
- Keynote speaker, International Congress of Behavioral Medicine, Bangkok, Thailand, December, 2006.
- Invited speaker, Kendon-Smith Lectures, University of North Carolina, Greensboro, North Carolina, December, 2006.
- Colloquium speaker, Neurobiology Program, University of Chicago, Chicago, Illinois, January, 2007.
- Schriver Lecturer, Department of Pediatrics, Montreal Children's Hospital, McGill University, Montreal, Quebec, January, 2007.
- Albert Barrett Lecture, Department of Psychiatry, University of Michigan, Ann Arbor, Michigan, February, 2007.
- Invited speaker, Department of Biochemistry and Molecular Genetics, University of Virginia, Charlottesville, Virginia, March, 2007.
- Invited speaker, Neuroscience Program, University of Washington, Seattle, Washington, April, 2007.
- Ripley Lecturer, Department of Psychiatry, University of Washington, Seattle, Washington, April, 2007.
- Invited speaker, Friday Lecture Series, The Rockefeller University, New York, New York, April, 2007.
- Invited speaker, International Metabolism and Diabetes meeting, Barcelona, Spain, April, 2007.
- Colloquium speaker, Department of Human Genetics, McGill University, Montreal, Quebec, May, 2007.
- Plenary speaker, Canadian Association for Neuroscience meeting, Toronto, Ontario, May, 2007.
- Plenary speaker, Annual meeting of the Endocrine Society, Toronto, Ontario, June, 2007.
- Invited speaker, Skirball Symposium, Neurobiology Program, New York University, New York, New York, June, 2007.
- Keynote speaker, International Research Society for Research Child and Adolescent Psychopathology, London, United Kingdom, June, 2007.
- Invited speaker, International Congress of Neuroethology, Vancouver, British Columbia, July, 2007.
- Colloquium speaker, Neuroscience Program Université de Genève, Genève, Switzerland, August, 2007.
- Invited speaker, Neuroscience Symposium, École Polyvalente de Lausanne, Lausanne, Switzerland, August, 2007.
- Invited speaker, Molecules to Cognition: J.P. Changeux meeting, Institute de Pasteur, Paris, France, September, 2007.
- Invited faculty, École de neuroendocrinologie, Tours, France, September, 2007.
- Plenary speaker, European Society for Pediatric Research, Prague, Czech Republic, October, 2007.
- Invited speaker, Founder's Symposium, American Academy of Child and Adolescent Psychiatry, Boston, Massachusetts, October, 2007.
- Invited speaker, The Australian Epigenetics Conference, Perth, Australia, November, 2007.
- Invited symposium speaker, The Fifth Developmental Origins of Adult Health and Disease Conference, Perth, Australia, November, 2007.
- Invited speaker, Royal Society Symposium on Society and Genes, Edmonton, Alberta, November, 2007.
- Plenary speaker, Neonatal Update 2007, London, United Kingdom, November, 2007.
- Invited speaker, Department of Medical Physiology, University of Calgary, Calgary, Alberta, January, 2008.
- Grass Lecturer, Neuroscience program, University of Wisconsin – Milwaukee, Milwaukee, Wisconsin, February, 2008.
- Invited speaker, Nature Neuroscience Symposium on Epigenetics, Houston, Texas, March, 2008.
- Invited speaker, Symposium on Social Determinants of Health, University College Dublin, Dublin, Ireland, March, 2008.
- Plenary speaker, International Conference on Infant Studies, Vancouver, British Columbia, March, 2008.

- Invited lecturer, School on Genetics and Epigenetics, National Institute for Drug Abuse, Washington, D.C., April, 2008.
- Presidential Lecture, Annual meeting for the Society for Biological Psychiatry, Washington, D.C., May, 2008.
- Symposium speaker, Annual meeting of the American Psychiatry Association, Washington, D.C., May, 2008.
- Plenary lecture, British Association for Psychopharmacology, Harrogate, United Kingdom, July, 2008.
- Invited lecture, School of Biological Sciences, Cambridge University, Cambridge, United Kingdom, July, 2008.
- Invited lecture, School of Social Medicine, University of Bristol, Bristol, United Kingdom, July, 2008.
- Symposia speaker, Fetal Origins of Adult Health Symposium, University of Michigan, Ann Arbor, Michigan, October, 2008.
- Plenary lecture, National Health Group Conference, Singapore, November, 2008.
- J. David Grimes Lecture, Ottawa Health Research Institute, Ottawa, Ontario, November, 2008.
- Salmon Lecture, New York Academy of Medicine, New York, New York, December, 2008.
- Invited lecture, Mount Sinai Medical, Department of Neuroscience, New York, New York, December, 2008.
- Invited speaker, Keystone Conference on Epigenetics, Development and Health, Breckenridge, Colorado, January, 2009.
- Seminar speaker, Département de physiologie, Université de Montréal, Montreal, Quebec, February, 2009.
- Invited speaker, Department of Obstetrics & Gynecology, National University Hospital, Singapore, February, 2009.
- Symposium speaker, Neuroscience symposia, Sick Kids Hospital, University of Toronto, Toronto, Ontario, February, 2009.
- Grand Rounds speaker, Department of Psychiatry, New York University, New York, New York, February, 2009.
- Invited speaker, Banbury Conference on the Neurobiology of Depression, Cold Spring Harbor, New York, New York, March, 2009.
- Invited speaker, Division of Endocrinology, Sick Kids Hospital, University of Toronto, Toronto, Ontario, April, 2009.
- Presidential symposium speaker, American Psychological Sciences, San Francisco, California, May, 2009.
- Invited speaker, Neurobiology Program, Children's Hospital, Harvard University, Boston, Massachusetts, June, 2009.
- Invited speaker, American Society for Animal Sciences, Montreal, Quebec, July, 2009.
- Neal Miller lecture, American Psychological Association, Toronto, Ontario, August, 2009.
- Invited speaker, Structural genomics Consortium conference, Toronto, Ontario, September, 2009.
- Invited speaker, Glasgow Centre for Population Health seminar series, Glasgow, United Kingdom, December, 2009.
- Grand Rounds speaker, Department of Psychiatry, University of Vermont, Burlington, Vermont, December, 2009.
- Seminar speaker, Department of Biological Sciences, Université de Montréal, Montreal, Quebec, February, 2010
- Seminar speaker, Department of Biology, University of Western Ontario, London, Ontario, March 2010.
- Invited speaker, Gordon Conference on Genes and Behavior, Ventura, California, March, 2010.
- Invited speaker, Epigenetics of Brain Development Symposium, Montreal, Quebec, March, 2010.
- Invited speaker, Epigenetics, Environment and Health, Keystone Symposium, Singapore, April, 2010.
- Plenary speaker, Developmental Psychobiology Research Group annual retreat, Children's Hospital, Denver, Colorado, May, 2010.

- Plenary speaker, Québec Child Mental Health Day, Montreal Children's Hospital, Montreal, Quebec, May, 2010.
- Plenary speaker, NeuroDev Network meeting, Montreal, Quebec, June, 2010.
- Plenary speaker, Alberta Epigenetics Network, University of Lethbridge, Lethbridge, Alberta, June, 2010.
- Plenary speaker, Brain Development and Learning Conference, Vancouver, British Columbia, July, 2010.
- Invited speaker, Gordon research Conference, Neurodevelopment, Newport, Rhode Island, August, 2010.
- Invited speaker, Institute of Psychiatry, King's College, London, United Kingdom, August, 2010.
- Plenary speaker, Infant Attachment Study Association conference, Cambridge, United Kingdom, August, 2010.
- Plenary Speaker, Parental Brain Conference, Edinburgh, United Kingdom, September, 2010.
- Invited speaker, The Gairdner Foundation Symposium on Epigenetics and Genome Function, Toronto, Ontario, October, 2010.
- Invited speaker, Behavioral Epigenetics Symposium, New York Academy of Sciences, Boston, Massachusetts, October, 2010.
- Invited speaker, Presidential Symposium, American Society for Human Genetics, Washington, D.C., November, 2010.
- Plenary speaker, Canadian Institutes for Health Research, Institute for Genetics, Young Investigators meeting, Lake Simcoe, Ontario, November, 2010.
- Killam Lecture, Montreal Neurological Institute, Montreal, Quebec, November, 2010.
- Jardetzki Lecture, MacAlester College, St. Paul, Minnesota, December, 2010.
- Plenary speaker, University of Pennsylvania, Neuroscience Program annual meeting, Philadelphia, Pennsylvania, December, 2010.
- Miller Lecture, Academy of Child and Adolescent Mental Health, London, United Kingdom, February, 2011.
- Distinguished Scientist Lecture, Department of Psychiatry, University of Pittsburgh, Pittsburgh, Pennsylvania, March, 2011.
- Higgins Lecture, Acadia University, Wolfesville, Nova Scotia, March, 2011.
- Invited lecture, Neuroscience Program, University of Utrecht, Utrecht, The Netherlands, April, 2011.
- Symposium speaker, Epigenetics, Brain and Behavior IPSEN conference, Paris, France, April, 2011.
- Plenary speaker, Norwegian Association of Child and Adolescent Psychiatry, Oslo, Norway, April, 2011.
- Symposium speaker, Serotonin meeting: Neurobiology of Depression, Montreal, Quebec, May, 2011.
- Plenary lecture, Society for Biological Psychiatry, San Francisco, California, May, 2011.
- Plenary lecture, Société de neuroendocrinology, Quebec, Quebec, September, 2011.
- Colloquium speaker, Neuroscience Research Program, Duke – NUS Graduate Medical School, Singapore, November, 2011.
- Invited speaker, Sackler – National Academy of Sciences symposium, Irvine, California, December, 2011.
- Bea Fowlow Lecture, Department of Medical Genetics, University of Calgary, Calgary, Alberta, March, 2012.
- Symposium lecture, International Congress of Endocrinology, Florence, Italy, May, 2012.
- Plenary Lecture, Learning and Synaptic Plasticity symposium, Picower Institute, Massachusetts Institute of Technology, Cambridge, Massachusetts, April, 2012.
- Invited speaker, Asia Pacific Nutrition Symposium, Beijing, China, May, 2012.
- Invited speaker, Epigenetic Regulation: From Mechanism to Intervention CSC conference, Imperial College of London, London, United Kingdom, June, 2012.
- Plenary lecture, 10th Annual NPY-PPY-PP meeting, Montreal, Quebec, July, 2012.
- Award lecture, Synaptic Plasticity Prize, IPSEN Foundation, Federation of Neurological Sciences,

- Barcelona, Spain, July, 2012.
- Kavli Neuroscience Symposium, University of Bergen, Bergen, Norway, September, 2012.
 - Plenary Speaker, Conference on Child Abuse and Neglect, Leiden University, Leiden, The Netherlands, October, 2012.
 - Symposium speaker, Gates Grand Challenges conference, Ottawa, Ontario, December, 2013.
 - Grand Rounds, Department of Psychiatry, Columbia University, New York, New York, January, 2013.
 - Transatlantic Medal Award Lecture, British Endocrine Society, Harrogate, United Kingdom, March, 2013.
 - Plenary lecture, Dutch Psychiatric Association meeting, Maastricht, The Netherlands, April, 2013.
 - Master lecture, Society for Research in Child Development meeting, Seattle, Washington, April, 2013.
 - Invited speaker, Second Herrenhausen Conference: "Mental Health Throughout Life, Herrenhausen Palace, Hanover, Germany, April, 2013
 - Invited speaker, Jacobs Foundation conference, "Genetic Moderation of Intervention Efficacy", Marbach, Germany, April, 2013.
 - Plenary speaker, Canadian Association for Neuroscience, Toronto, Ontario, May, 2013.
 - Plenary lecture, Infant Brain Injury Conference, SickKids Hospital, Toronto, Ontario, July, 2013.
 - Plenary lecture, Early Childhood Peace Consortium Launch, UNESCO, United Nations, New York, New York, September, 2013.
 - Public Lecture, Centre for Studies in behavioural Neurobiology, Concordia University, Montreal, Quebec, October, 2013.
 - Invited symposium lecture, Columbia University Sackler Institute for Developmental Psychobiology, New York, New York, October 5, 2013.
 - Plenary Lecture, Developmental Origins of Health and Disease conference, Singapore, November, 2014.
 - Presidential Lecture, Annual meeting of the German Society for Psychiatry and Psychosomatic Medicine, Berlin, November, 2014.
 - Grand Rounds Lecture, Department of Psychiatry, University of Miami, Miami, Florida, January, 2014.
 - Public Lecture, Is Adult Behaviour Determined Early in Life? The Mystery of Epigenetics. Vancouver Institute and Peter Wall Institute for Advanced Study, University of British Columbia, Vancouver, British Columbia, February, 2014.
 - Public Lecture, Canadian Association for Neuroscience, Montreal QC, May, 2014.
 - Frijda Chair Lecture, University of Amsterdam, Amsterdam Brain and Cognition Symposium, Amsterdam, The Netherlands, June, 2014.
 - Plenary speaker, NIH/NSF Social and Behavioural Epigenetics Conference, Potomac, MD, July, 2014.

Publications

Published or in press papers

350. Yehuda R, Daskalakis NP, Lehrner A, Desarnaud F, Bader HN, Makotkine J, Flory JD, Bierer LM, Meaney MJ. (2014) Influences of maternal and paternal PTSD on epigenetic regulation of the glucocorticoid receptor gene in Holocaust survivor offspring. *American Journal of Psychiatry*.
349. Li C, Pan H, Tuan TA, Teh AL, Mah SM, Li Y, Cehn H, Broekman BFP, Buschdorf JP, Chong YS, Kwek K, Saw SM, Gluckman PD, Fortier MV, Rifkin-Graboi A, Kobor MS, Qiu A, Meaney MJ, Holbrook JD (In press) BDNF Val66Met polymorphism influences the association of the methylome with maternal anxiety and neonatal brain volumes. *Development and Psychopathology*.

348. Qiu A, Tuan TA, Ong ML, Li Y, Rifkin-Graboi A, Chen H, Broekman BFP, Chong YS, Gluckman PD, Fortier MV, Holbrook JD, Meaney MJ (In press) COMT Haplotypes Modulate Associations of Antenatal Maternal Anxiety and Neonatal Cortical Morphology. *American Journal of Psychiatry*.
347. Ong ML, Tan PK, MacIsaac JL, Mah SM, Buschdorf JP, Cheong CY, Stunkel W, Chan L, Gluckman PD, Chng K, Kobor MS, Meaney MJ, Holbrook JD (2014) Infinium Monkeys: Infinium 450K Array for the *Cynomolgus macaque* (*Macaca fascicularis*). *G3 Genes Genomes Genetics* .
346. Chong MF, Wong JX, Colega M, Chen LW, van Dam RM, Tan CS, Lim AL, Cai S, Broekman BFP, Lee YS, Saw SM, Kwek K, Godfrey KM, Chong YS, Gluckman PD, Meaney MJ, Chen H (2014) Relationships of maternal folate and vitamin B12 status during pregnancy with perinatal depression: The GUSTO study. *Journal of Psychiatric Research*. 55:110-116.
345. Singh L, Fu CS, Rahman AA, Hameed WB, Sanmugam S, Agarwal P, Binyan J, Chong YS, Meaney MJ, Rifkin-Graboi A. (2014) Back to Basics: A Bilingual Advantage in Infant Visual Habituation. *Child Development*.
344. Teh AL, Pan H, Chen L, Ong ML, Dogra S, Wong J, MacIsaac JL, Mah SM, McEwen LM, Saw SM, Godfrey KM, Chong YS, Kwek K, Kwok CK, Soh SE, Chong M, Barton S, Karnani N, Cheong CY, Buschdorf JP, Stunkel W, Kobor MS, Meaney MJ, Gluckman PD, Holbrook JD. (2014). The effect of genotype and in utero environment on inter-individual variation in neonate DNA methylomes. *Genome Res*.
343. Meaney MJ, Liebowitz ML, Leonardo ED. (2014) Neurobiology of Anxiety Disorders. In *Psychiatry*, Fourth Edition. (Tasman A, Jerald Kay J, Jeffrey A. Lieberman JA, Michael B. First MB, and Michelle B. Riba MB, Eds). John Wiley & Sons, New York, NY.
343. Babineau V, Gordon-Green C, Jolicoeur-Martineau A, Minde K, Sassi R, St-Andre M, Carrey N, Atkinson L, Meaney MJ, Wazana A (In press) Prenatal depression and 5-HTTLPR interact to predict dysregulation from 3 to 36 months – A differential susceptibility model. *Journal of Child Psychology and Psychiatry*.
342. Yehuda R, Flory JD, Bierer LM, Henn-Haase C, Lehrner A, Desarnaud F, Makotkine J, Daskalakis NP, Marmar CR, Meaney MJ. (2014) Lower methylation of glucocorticoid receptor gene promoter 1_f in peripheral blood of veterans suffering from post-traumatic stress disorder. *Biological Psychiatry*.
341. Silveira PP, Portella AK, Kennedy JL, Gaudreau H, Davis C, Steiner M, Soares CN, Matthews SG, Sokolowski MB, Dube L, Loucks EB, Hamilton J, Meaney MJ, Levitan RD, MAVAN Study Team. (2014) Association between the severe-repeat allele of the dopamine-4 receptor gene (DRD4) and spontaneous food intake in pre-school children. *Appetite* 73:15-22.
340. Neuwald MF, Marilyn Agranonik M, André K. Portella AK, Fleming A, Wazana A, Steiner M, Levitan RD, Meaney MJ, Silveira PP, on behalf of the MAVAN Study Team. (2014) Transgenerational effects of maternal care interact with fetal growth and influence attention skills at 18 months of age. *Early Human Development*. 90(5):241-6, 2014
339. Kültz D, Clayton DF, Robinson GE, Albertson C, Carey HV, Cummings ME, Dewar K, Edwards SV, Hofmann HA, Gross LJ, Kingsolver JG, Meaney MJ, Schlinger BA, Shingleton AW, Sokolowski MB, Somero GN, Stanzione DC, Todgham AE (2013) New frontiers for organismal biology. *BioScience* 63:464-471.
338. O'Donnell KA, Gaudreau H, Colalillo S, Steiner M, Atkinson L, Moss E, Goldberg SD, Karama S, Matthews SG, Lydon JE, Silveira P, Wazana A, Levitan RD, Sokolowski MB, Kennedy JL, Fleming A,

Meaney MJ on behalf of the MAVAN Research Team. (In press) The Maternal Adversity Vulnerability and Neurodevelopment (MAVAN) Project: Theory and methodology. *Canadian Journal of Psychiatry*.

337. Broekman BF, Chan YH, Chong YS, Kwek K, Cohen SS, Haley CL, Chen H, Chee C, Rifkin-Graboi A, Gluckman PD, Meaney MJ, Saw SM, GUSTO Research Group. (2014) The influence of anxiety and depressive symptoms during pregnancy on birth size. *Paediatric and Perinatal Epidemiology* 28:116-126.
336. Adedinsewo DA, Fleming AS, Steiner M, Meaney MJ, Girard AW, MAVAN team. (2014) Maternal anxiety and breastfeeding: Findings from the MAVAN (Maternal Adversity, Vulnerability and Neurodevelopment) study. *Journal of Human Lactation* 30:102-109.
335. Aris IM, Soh SE, Tint MT, Liang S, Chinnadurai A, Saw SM, Rajadurai VS, Kwek K, Meaney MJ, Godfrey KM, Gluckman PD, Yap FK, Chong YS, Lee YS. (2014) Effect of maternal glycemia on neonatal adiposity in a multiethnic Asian cohort. *Journal of Clinical Endocrinology & Metabolism* 99:240-247.
334. Ratnarajah N, Rifkin-Graboi A, Fortier MV, Chong YS, Kwek K, Saw SM, Godfrey KM, Gluckman PD, Meaney MJ, Qiu A. (2013) Structural connectivity asymmetry in the neonatal brain. *Neuroimage* 75:187-194.
333. Rifkin-Graboi A, Bai J, Chen H, Hameed WB, Sim LW, Tint MT, Leutscher-Broekman B, Chong YS, Gluckman PD, Fortier MV, Meaney MJ, Qiu A. (2013) Prenatal maternal depression associates with microstructure of right amygdala in neonates at birth. *Biological Psychiatry* 74: 837-844.
332. Ratnarajah N, Rifkin-Graboi A, Fortier MV, Chong YS, Kwek K, Saw SM, Godfrey KM, Gluckman PD, Meaney MJ, Qiu A. (2013) Structural connectivity asymmetry in the neonatal brain. *Neuroimage* 75:187-194.
331. Yehuda R, Daskalakis NP, Desarnaud F, Makotkine I, Lehrner AL, Koch E, Flory JD, Buxbaum JD, Meaney MJ, Bierer LM. (2013) Epigenetic biomarkers as predictors and correlates of symptom improvement following psychotherapy in combat veterans with PTSD. *Frontiers in Psychiatry* 4:118, 2013.
330. Jonas W, Mileva-Seitz V, Girard AW, Bisceglia R, Kennedy JL, Sokolowski M, Meaney MJ, Fleming AS, Steiner M, MAVAN Research Team. (2013) Genetic variation in oxytocin rs2740210 and early adversity associated with postpartum depression and breastfeeding duration. *Genes, Brain, & Behavior* 12:681-694.
329. Prior KM, Meaney MJ, Cameron NM. (2013) Variations in maternal care associated with differences in female reproductive behavior in a group-mating environment. *Developmental Psychobiology* 55:838-848.
328. Parent CI, Del Corpo A, Cameron NM, Meaney MJ. (2013) Maternal care associates with play dominance rank among adult female rats. *Developmental Psychobiology* 55:745-756.
327. Zhong J, Rifkin-Graboi A, Ta AT, Yap KL, Chuang K-H, Meaney MJ, Qui A. (2014) Functional networks in parallel with cortical development associate with executive functions in children. *Cerebral Cortex* 24:1937-1947.

326. Qiu A, Rifkin-Graboi A, Chen H, Chong YS, Kwek K, Gluckman PD, Fortier MV, Meaney MJ. (2013) Maternal anxiety and infants' hippocampal development: timing matters. *Translational Psychiatry* 3:e306, 2013.
325. Mileva-Seitz V, Steiner M, Atkinson L, Meaney MJ, Levitan R, Kennedy JL, Sokolowski MB, Fleming AS. (2013) Interaction between oxytocin genotypes and early experience predicts the quality of mothering and postpartum mood. *PLoS ONE* 8:e61443, 2013.
324. Braithwaite EC, Ramchandani PG, O'Connor TG, Van Ijzendoorn MH, Bakermans-Kranenburg MJ, Glover V, Netsi E, Evans J, Meaney MJ, Murphy SE. (2013) No moderating effect of 5-HTTLPR on associations between antenatal anxiety and infant behavior. *Journal of the American Academy of Child & Adolescent Psychiatry* 52:519-526.
323. Ong SX, Chng K, Meaney MJ, Buschdorf JP. (2013) Decreased hippocampal mineralocorticoid: glucocorticoid receptor ratio is associated with low birth weight in female cynomolgus macaque neonates. *Journal of Molecular Endocrinology* 51:59-67.
322. Kramer MS, Lydon J, Goulet L, Kahn S, Dahhou M, Platt RW, Sharma S, Meaney MJ, Seguin L. (2013) Maternal stress/distress, hormonal pathways and spontaneous preterm birth. *Paediatric and Perinatal Epidemiology* 27:237-246.
321. Labonté B, Suderman M, Maussion G, Lopez JP, Navarro-Sanchez L, Yerko V, Mechawar N, Szyf M, Meaney MJ, Turecki G. (2013) Genome-wide methylation changes in the brains of suicide completers. *American Journal of Psychiatry* 170:511-520.
320. Lee Y, Chong MF, Liu JC, Libedinsky C, Gooley JJ, Chen S, Wu T, Tan V, Zhou M, Meaney MJ, Lee YS, Chee MW. (2013) Dietary disinhibition modulates neural valuation of food in the fed and fasted states. *American Journal of Clinical Nutrition* 97:919-925.
319. Silveira PP, Agranonik M, Faras H, Portella AK, Meaney MJ, Levitan RD, Maternal Adversity, Vulnerability and Neurodevelopment Study Team. (2012) Preliminary evidence for an impulsivity-based thrifty eating phenotype. *Pediatric Research* 71:293-298.
318. Ratnarajah N, Rifkin-Graboi A, Fortier MV, Seng Chong Y, Kwek K, Saw SM, Godfrey KM, Gluckman PD, Meaney MJ, Qiu A. (2103) Structural Connectivity Asymmetry in the Neonatal Brain. *NeuroImage* 75:187-194.
317. Pan H, Chen L, Dogra S, Teh AL, Tan JH, Lim YI, Lim YC, Jin SN, Lee YK, Ng PY, Ong ML, Barton SJ, Chong Y-S, Meaney MJ, Gluckman PD, Stunkel W, Ding C, Holbrook JD. (2012) Measuring the methylome in clinical samples - improved processing of the Infinium Human Methylation450 BeadChip Array. *Epigenetics* 7:1173-1187.
316. Qiu A, Fortier MV, Bai J, Zhang X, Chong YS, Kwek K, Saw SM, Godfrey K, Gluckman PD, Meaney MJ. (2013) Morphology and microstructure of subcortical structures at birth: a large-scale Asian neonatal neuroimaging study. *NeuroImage* 65:315-323.
315. Lindeyer CM, Meaney MJ, Reader SM. (2013) Early maternal care predicts reliance on social learning about food in rats. *Developmental Psychobiology* 55:168-75.

314. Lovic V, Belay H, Walker CD, Burton CL, Meaney MJ, Sokolowski M, Fleming AS. (2013) Early postnatal experience and DRD2 genotype affect dopamine receptor expression in the rat ventral striatum. *Behavioural Brain Research* 237:278-282.
313. Sharp H, Pickles A, Meaney MJ, Marshall K, Tibu F, Hill J. (2012) Frequency of infant stroking reported by mothers moderates the effect of prenatal depression on infant behavioural and physiological outcomes. *PLoS ONE* 7:e45446.
312. Suderman M, McGowan PO, Sasaki A, Huang TC, Hallett MT, Meaney MJ, Turecki G, Szyf M. (2012) Conserved epigenetic sensitivity to early life experience in the rat and human hippocampus. *Proceedings of the National Academy of Sciences* 109 Suppl. 2:17266-17272.
311. Bai J, Abdul-Rahman MF, Rifkin-Graboi A, Chong YS, Kwek K, Saw SM, Godfrey K, Gluckman PD, Fortier MV, Meaney MJ, Qui A. (2012) Population differences in brain morphology and microstructure in Chinese, Malay, and Indian neonates. *PLoS One* 7:e47816.
310. Bagot RC, Zhang TY, Wen XL, Nguyen TTT, Nguyen BH, Diorio J, Wong TP, Meaney MJ. (2012) Variations in postnatal maternal care and the epigenetic regulation of *Grm1* expression and hippocampal function in the rat. *Proceedings of the National Academy of Sciences* 109 Suppl. 2:17200-17207.
309. Stunkel W, Pan H, Chew SB, Tng E, Tan JH, Chen L, Joseph R, Cheong C, Lee YS, Chong YS, Saw SM, Meaney MJ, Kwek K, Sheppard AM, Gluckman PD, Holbrook JD. (2012) Transcriptome changes affecting hedgehog and cytokine signaling in the umbilical cord in late pregnancy: implications for disease risk. *PLoSOne* 7:e39744.
308. Zhang TY, Labonté B, Wen XL, Turecki G, Meaney MJ. (2013) Epigenetic mechanisms for the early environmental regulation of hippocampal glucocorticoid receptor gene expression in rodents and humans. *Neuropsychopharmacology* 38:111-123.
307. O'Donnell K, Gaudreau H, Mileva-Seitz V, Colalillo S, Pennestri M-H, Fleming AF, Steiner M, Lydon J, Wazana A, Minde K, Matthews SG, Sassi R, Atkinson L, Goldberg S, Moss E, Sokolowski M, Kennedy JF, Leviton RD, Meaney MJ on behalf of the MAVAN Research Team. The Maternal Adversity, Vulnerability and Neurodevelopment Project: Tracking the Developmental Origins of Psychopathology and Co-morbidities. *Journal of the American Association of Child and Adolescent Psychiatry* (in press).
306. Bagot RC, Tse YC, Wong AS, Meaney MJ, Wong TP. (2012) Maternal care influences hippocampal NMDA receptor function and dynamic regulation by corticosterone in adulthood. *Biological Psychiatry* 72:491-498.
305. Phua DY, Rifkin-Graboi A, Saw SM, Meaney MJ, Qiu A. (2012) Executive functions of six-year-old boys with normal birth weight and gestational age. *PLoSOne* 7:e36502.
304. Mileva-Seitz V, Fleming AS, Meaney MJ, Mastroianni A, Sinnwell JP, Steiner M, Atkinson L, Levitan RD, Matthews SG, Kennedy JL, Sokolowski MB. (2012) Dopamine receptors D1 and D2 are related to observed maternal behavior. *Genes, Brain & Behavior* 11:684-694.
303. Parent CI, del Corpo A, Cameron NM, Meaney MJ. Maternal care associates with dominance rank among adult female rats. *Developmental Psychobiology* (in press).

302. Qiu A, Rifkin-Graboi A, Tuan TA, Zhong J, Meaney MJ. (2012) Inattention and hyperactivity predict alterations in specific neural circuits among six-year-old boys. *Journal of the American Academy of Child and Adolescent Psychiatry* 51:632-641.
301. Silveira PP, Agranonik M, Faras H, Portella AK, Meaney MJ, Levitan RD. (2012) Preliminary evidence for an impulsivity-based thrifty eating phenotype. *Pediatric Research* 71:293-298.
300. Qiu A, Rifkin-Graboi A, Zhong J, Phua DY, Lai YK, Meaney MJ. (2012) Birth weight and gestation age influence striatal morphology and motor response in normal six-year old boys. *Neuroimage* 59:1065-1070.
299. Li L-J, Cheung CY-L, Ikram MK, Gluckman PD, Meaney MJ, Chong Y-S, Kwek K, Wong T-Y, Saw SM. (2012) Blood pressure and retinal microvascular characteristics during pregnancy: Growing Up in Singapore Towards Healthy Outcomes (GUSTO) Study. *Hypertension* 60:223-230.
298. Connor KL, Vickers MH, Beltrand J, Meaney MJ, Sloboda DM. (2012) Nature, nurture or nutrition? Impact of maternal nutrition on maternal care, offspring development and reproductive function. *Journal of Physiology* 590:2167-2180.
297. Ernst C, Nagy C, Kim S, Yang JP, Deng X, Hellstrom IC, Choi KH, Gershenfeld H, Meaney MJ, Turecki G. (2011) Dysfunction of astrocyte connexins 30 and 43 in dorsal lateral prefrontal cortex of suicide completers. *Biological Psychiatry* 70:312-319.
296. Hellstrom IC, Dhir S, Diorio J, Zhang TY, Meaney MJ. (2012) Maternal licking regulates hippocampal glucocorticoid receptor transcription through a thyroid hormone, serotonin, NGFI-A signalling cascade. *Philosophical Transactions of the Royal Society B (Biological Sciences)* 367:2495-2510.
295. Qiu A, Rifkin-Graboi A, Zhong J, Yee-Ling Phua D, Meaney MJ. (2011) Birth weight and gestation influence striatal morphology and motor response in six-year-old boys. *NeuroImage*.
294. Broekman BFP, Chan YH, Goh L, Fung D, Saw SM, Meaney MJ. (2011) Influence of birth weight on internalizing traits: modulation by polymorphisms of genes involved in the serotonin system. *Pediatrics* 128:e1250-1258.
293. Ernst C, Nagy C, Kim S, Yang JP, Deng X, Hellstrom IC, Choi KH, Gershenfeld H, Meaney MJ, Turecki G. (2011) Dysfunction of astrocyte connexins 30 and 43 in dorsal lateral prefrontal cortex of suicide completers. *Biological Psychiatry* 70:312-319.
292. McGowan PO, Suderman M, Sasaki A, Huang TC, Hallett M, Meaney MJ, Szyf M. (2011) Broad epigenetic signature of maternal care in the brain of adult rats. *PLoS ONE* 6:e14739.
291. Caldji C, Hellstrom IC, Zhang TY, Diorio J, Meaney MJ. (2011) Environmental regulation of the neural epigenome. *FEBS Letters* 585:2049-2058.
290. Kramer MS, Lydon J, Seguin L, Goulet L, Kahn SR, McNamara H, Genest J, Sharma S, Meaney MJ, Libman M, Dahhou M, Platt RW. (2010) Non-stress-related factors associated with maternal corticotrophin-releasing hormone (CRH) concentration. *Paediatric and Perinatal Epidemiology* 24:390-397.

289. Belay H, Burton CL, Lovic V, Meaney MJ, Sokolowski M, Fleming AS. (2011) Early adversity and serotonin transporter genotype interact with hippocampal glucocorticoid receptor mRNA expression, corticosterone, and behavior in adult male rats. *Behavioral Neuroscience* 125:150-160.
288. Mileva-Seitz V, Kennedy J, Atkinson L, Steiner M, Levitan R, Matthews SG, Meaney MJ, Sokolowski MB, Fleming AS. (2011) S allele on serotonin transporter gene associated with greater maternal sensitivity and attention to infants at six months. *Genes, Brain, & Behavior* 10:325-333.
287. Cameron NM, Soehngen E, Meaney MJ. (2011) Variation in maternal care influences ventromedial hypothalamus activation in the rat. *Journal of Neuroendocrinology* 23:393-400.
286. Lester BM, Tronick E, Nestler E, Abel T, Kosofsky B, Kuzawa CW, Marsit CJ, Maze I, Meaney MJ, Monteggia LM, Reul JM, Skuse DH, Sweatt JD, Wood MA. (2011) Behavioral epigenetics. *Annals of the New York Academy of Sciences* 1226:14-33.
285. Wei L, Meaney MJ, Duman RS, Kaffman A. (2011) Juvenile neurogenesis is necessary for the development of normal olfactory function and social behavior in adult female mice. *Journal of Neuroscience* 31:14335-14345.
284. Meaney MJ, Ferguson-Smith A. (2010) Epigenomic regulation of the neural transcriptome: The meaning of the marks. *Nature Neuroscience* 13:1313-1318.
283. Kappeler L, Meaney MJ. (2010) Enriching 'stress' research. *Cell* 142:15-17.
283. Van Hasselt FN, Cornelisse S, Zhang TY, Meaney MJ, Krugers HJ, Joëls M. (2012) Maternal care received by individual pups predicts hippocampal glucocorticoid receptor expression and dentate synaptic plasticity later in life. *Hippocampus* 22(2):255-66.
282. Hackman DA, Farah MJ, Meaney MJ. (2010) Socioeconomic status and the brain: Mechanistic insights from human and animal research. *Nature Reviews Neuroscience* 11:651-659.
281. Zhang TY, Hellstrom IC, Bagot RC, Wen X, Diorio J, Meaney MJ. (2010) Maternal care and DNA methylation of the *glutamic acid decarboxylase 1* promoter in rat hippocampus. *Journal of Neuroscience* 30:13130-13107.
280. Kaepler L, Meaney MJ. (2010) Epigenetics and parental effects. *BioEssays* 32:818-827.
279. Shahrokh D, Cameron NM, Zhang TY, Gratton A, Meaney MJ. (2010) Oxytocin - dopamine interactions in the ventral tegmental area mediate variations in maternal behaviour in the rat. *Endocrinology* 151:2276-2286.
278. Almeida ND, Loucks EB, Kubzansky L, Pruessner J, Maselko J, Meaney MJ, Buka SL. (2010) Quality of parental emotional care and calculated risk for coronary heart disease. *Psychosomatic Medicine* 72:148-155.
277. Bagot RC, Meaney MJ. (2010) Epigenetics and the biological basis of gene x environment interactions. *Journal of the American Academy of Child & Adolescent Psychiatry* 49:752-71.

277. Ouellet-Morin I, Tremblay RE, Boivin M, Meaney MJ, Kramer M, Cote SM. (2010) Diurnal cortisol secretion at home and in child care: a prospective study of 2-year-old toddlers. *Journal of Child Psychology & Psychiatry & Allied Disciplines* 51:295-303.
276. Hellstrom IC, Meaney MJ. Epigenetics and the environmental regulation of the brain's genome and its function. *Current Psychiatry Reviews* (in press).
275. Sng J, Meaney MJ. (2009) Environmental regulation of the neural epigenome. *Epigenomics* 1:131-151.
274. Zhang TY, Meaney MJ. (2010) Epigenetics and the environmental regulation of the genome and its function. *Annual Reviews of Psychology* 61:439-466.
273. Engert V, Joober R, Meaney MJ, Hellhammer DH, Pruessner JC. (2009) Behavioral response to methylphenidate challenge: influence of early life parental care. *Developmental Psychobiology* 51:408-416.
272. Broekman BF, Chan YH, Chong YS, Quek SC, Fung D, Low YL, Ooi YP, Gluckman PD, Meaney MJ, Wong TY, Saw SM. The influence of birth size on intelligence in healthy children. *Pediatrics* 123:e1011-1016.
271. McGowan PO, Sasaki A, Dymov S, Turecki G, Szyf M, Meaney MJ. (2009) Epigenetic regulation of the glucocorticoid receptor in human brain associates with childhood abuse. *Nature Neuroscience* 12:342-348.
270. King S, Mancini-Marie A, Brunet A, Walker E, Meaney MJ, Laplante DP. (2009) Prenatal maternal stress from a natural disaster predicts dermatoglyphic asymmetry in humans. *Development & Psychopathology* 21:343-353.
269. Bagot RC, Van Hasselt FN, Champagne DL, Meaney MJ, Krugers HJ, Joëls M. (2009) Maternal care determines rapid effects of stress mediators on synaptic plasticity in adult rat hippocampal dentate gyrus. *Neurobiology of Learning & Memory* 92:292-300.
268. Meaney MJ. (2010) Epigenetics and the biological definition of gene x environment interactions. *Child Development* 81:41-79.
267. Kramer MS, Séguin L, Goulet L, Kahn SR, McNamara H, Genest J, Dassa C, Chen MF, Sharma S, Meaney MJ, Steven Thomson S, Van Um S, Koren G, Dahhou M, Platt RW, Lamoureux J, Lydon, J. (2009) Stress pathways to spontaneous preterm birth: The role of stressors, psychological distress, and stress hormones. *American Journal of Epidemiology* 169:1319-1326.
266. Szyf M, Weaver I, Provencal N, McGowan PO, Tremblay RE, Meaney MJ. (2009) Epigenetics and behavior. In *Development and Prevention of Behaviour Problems* (Eds. RE Tremblay, MAG Van Aken, W. Koops). *Psychology Press* p. 25-60.
265. Meaney MJ, LeDoux JE, Leibowitz ML. (2008) Neurobiology of anxiety disorders (A. Tasman, J Kay, JA Lieberman, MB First, M Maj, Eds). *Psychiatry*, 3rd edition, Vol. 1., p. 317-338.

264. Cameron N, Del Corpo A, Diorio J, McAllister K, Sharma S, Meaney MJ. (2008) Maternal programming of sexual behavior and hypothalamic-pituitary-gonadal function in the female. *PlosOne* 3:e2210.
263. Cameron N, Shahrohk D, del Corpo A, Dhir S, Szyf M, Champagne FA, Meaney MJ. (2008) Epigenetic programming of phenotypic variations in reproductive strategies in the rat through maternal care. *Journal of Neuroendocrinology* 20:795-801.
262. McGowan PO, Sasaki A, Huang TC, Unterberger A, Suderman M, Ernst C, Meaney MJ, Turecki G, Szyf M. (2008) Promoter-wide hypermethylation of the ribosomal RNA gene promoter in the suicide brain. *PlosOne* 3:e2085.
261. Champagne DL, Van Hasselt F, Ramakers G, Meaney MJ, de Kloet ER, Joels M, Krugers H. (2008) Maternal care alters dendritic length, spine density and synaptic potentiation in adulthood. *Journal of Neuroscience* 28:6037-6045.
260. Parent C, Meaney MJ. (2008) Variations in maternal care influence the play fighting of male offspring. *Developmental Psychobiology* 50:767-776.
259. McGowan PO, Meaney MJ, Szyf M. (2008) Diet and the epigenetic (re)programming of phenotypic differences in behavior. *Brain Research* 1237:12-24.
258. Brown SE, Weaver IC, Meaney MJ, Szyf M. (2008) Regional-specific global cytosine methylation and DNA methyltransferase expression in the adult rat hippocampus. *Neuroscience Letters* 440:49-53.
257. Ernst C, McGowan PO, Deleva V, Meaney MJ, Szyf M, Turecki G. (2008) The effects of pH on DNA methylation state: In vitro and post-mortem brain studies. *Journal of Neuroscience Methods* 174:123-125.
256. Kuroda KO, Meaney MJ, Uetani N, Kato T. (2008) Neurobehavioral basis of the impaired nurturing in mice lacking the immediate early gene FosB. *Brain Research* 1211:57-71.
255. Cameron NM, Fish E, Meaney MJ. (2008) Maternal influences on the sexual behavior and reproductive success of the female rat. *Hormones & behaviour* 54:178-184.
254. Weaver SA, Diorio J, Meaney MJ. (2007) Maternal separation leads to persistent reductions in pain sensitivity in female rats. *Journal of Pain* 8:962-969.
253. Szyf M, McGowan P, Meaney MJ. (2008) The social environment and the epigenome. *Environmental & Molecular Mutagenesis* 49:46-60.
252. Pruessner JC, Dedovic K, Khalili-Mahani N, Engbert V, Pruessner M, Renwick R, Dagher A, Meaney MJ, Lupien S. (2008) Deactivation of the limbic system during psychosocial stress: Evidence from PET and fMRI studies. *Biological Psychiatry* 63:234-240.
251. Kuroda KO, Meaney MJ, Uetani N, Fortin Y, Ponton A, Kato, T. (2007) ERK-FosB signaling in dorsal MPOA neurons plays a major role in the initiation of parental behavior in mice. *Molecular and Cellular Neuroscience* 36:121-131.

250. Champagne FA, Meaney MJ. (2007) Transgenerational effects of social environment on variations in maternal care and stress responsivity. *Behavioral Neuroscience* 121:1353-1363.
249. Meaney MJ. (2007) Social influences on sexual differentiation in mammals. *Advances in Genetics* 59:173-215.
248. de Vries A, Holmes M, Heijnis A, Seier JV, Van Heerden J, Louw J, Wolfe-Coote S, Meaney MJ, Levitt NS, Seckl JR. (2007) Prenatal dexamethasone exposure induces offspring metabolic and hypothalamic–pituitary-adrenal axis changes without alteration of birth weight in a non-human primate, *C. aethiops*. *Journal of Clinical Investigation* 117:1058-1067.
247. Weaver ICG, DiAlessio AC, Brown SE, Hellstorm IC, Dymov S, Diorio J, Szyf M, Meaney, MJ. (2007) The transcription factor NGFI-A mediates epigenetic programming: *Altering epigenetic marking through immediate early genes*. *Journal of Neuroscience* 27:1756-1768.
246. Bredy TW, Brown RE, Meaney MJ. (2007) Effect of resource availability on biparental care, and offspring neural and behavioural development in the California mouse (*Peromyscus californicus*). *European Journal of Neuroscience* 25:565-575.
245. Buss C, Meaney MJ, Lupien S, Pruessner J. (2007) Maternal care modulates the relationship between prenatal risk and hippocampal volume. *Journal of Neuroscience* 27:2592-2595.
244. Meaney MJ, Szyf M, Seckl JR. (2007) Epigenetic mechanisms of perinatal programming of hypothalamic-pituitary-adrenal function and health. *Trends in Molecular Medicine* 13:269-277.
243. Szyf M, Weaver ICG, Meaney MJ. (2007) Maternal care, the epigenome and phenotypic differences in behavior. *Reproductive Toxicology* 24:9-19.
242. Kaffman A, Meaney MJ. (2007) Neurodevelopmental sequelae of postnatal maternal care in rodents: clinical and research implications of molecular mechanisms. *Journal of Child Psychology & Psychiatry*, 48:224-244.
241. Bagot R, Parent C, Bredy TW, Zhang TY, Gratton A, Meaney MJ. (2007) Developmental origins of neurobiological vulnerability for PTSD. In *Understanding Trauma: Integrating Biological, Clinical and Cultural Perspectives* (LJ Kirmayer, R. Lemelson, M. Barad, Eds.), p. 98-117.
240. Diorio J, Meaney MJ. (2007) Maternal programming of defensive responses through sustained effects on gene expression. *Journal of Psychiatry and Neuroscience* 32:275-284.
239. Leonhardt M, Matthews SG, Meaney MJ, Walker CD. (2007) Psychological stressors as a model of maternal adversity: diurnal modulation of corticosterone responses and changes in maternal behavior. *Hormones & Behavior* 51:77-88.
238. Deshauer D, Duffy A, Meaney MJ, Sharma S, Grof P. (2006) Salivary cortisol secretion in remitted bipolar patients and offspring of bipolar parents. *Bipolar Disorders* 8:345-349.
237. Champagne FA, Weaver ICG, Diorio J, Dymov S, Szyf M, Meaney MJ. (2006) Maternal care regulates methylation of the estrogen receptor alpha 1b promoter and estrogen receptor alpha expression in the medial preoptic area of female offspring. *Endocrinology* 147:2909-2915.

236. Zhang TY, Bagot R, Parent C, Nesbitt C, Bredy TW, Caldji C, Fish E, Ansiman H, Szyf M, Meaney MJ. (2006) Maternal programming of defensive responses through sustained effects on gene expression. *Biological Psychiatry* 73:72-89.
235. Champagne FA, Meaney MJ. (2006) Stress during gestation alters postpartum maternal care and the development of the offspring in a rodent model. *Biological Psychiatry* 59:1227-1235.
234. Weaver ICG, Meaney MJ, Szyf M. (2006) Maternal care effects on the hippocampal transcriptome and anxiety-mediated behaviors in the offspring that are reversible in adulthood. *Proceedings of the National Academy of Sciences* 103:3480-3485.
233. Kalynchuk LE, Pinel JP, Meaney MJ. (2006) Serotonin receptor binding and mRNA expression in the hippocampus of fearful amygdala-kindled rats. *Neuroscience Letters* 396:38-43.
232. Rowe WB, Kar S, Meaney MJ, Quirion R. (2006) Neurotensin receptor levels as a function of brain aging and cognitive performance in the Morris water maze task in the rat. *Peptides* 27:2415-2423.
231. Meaney MJ, Szyf M. (2005) Maternal effects as a model for environmentally-dependent chromatin plasticity. *Trends in Neuroscience* 28:456-463.
230. Meaney MJ, Weaver ICG, Wu T, Hellstrom I, Diorio J, Szyf M. (2006) Maternal programming of glucocorticoid receptor expression and HPA responses to stress through DNA methylation in the rat. In *Handbook of Neurochemistry and Molecular Neurobiology* (Ed. J.D. Blaustein).
229. Parent C, Zhang TY, Caldji C, Bagot R, Champagne FA, Pruessner J, Meaney MJ. (2005) Maternal care and individual differences in defensive responses. *Current Directions in Psychological Science* 14:229-333.
228. Zhang TY, Chrétien P, Meaney MJ, Gratton A. (2005) Influence of naturally occurring variations in maternal care on prepulse inhibition of acoustic startle and the medial prefrontal cortical dopamine response to stress in adult rats. *Journal of Neuroscience* 25:1493-1502.
227. Lupien SJ, Schwartz G, Ng YK, Fiocco A, Wan N, Pruessner JC, Meaney MJ, Nair NP. (2005) The Douglas Hospital Longitudinal Study of Normal and Pathological Aging: summary of findings. *Journal of Psychiatry & Neuroscience* 30:328-334.
226. Zhang TY, Bagot R, Parent C, Nesbitt C, Bredy TW, Caldji C, Fish E, Ansiman H, Szyf M, Meaney MJ. (2006) Maternal programming of defensive responses through sustained effects on gene expression. *Biological Psychiatry* 73:72-89.
225. Weaver IC, Champagne FA, Brown SE, Dymov S, Sharma S, Meaney MJ, Szyf M. (2005) Reversal of maternal programming of stress responses in adult offspring through methyl supplementation: altering epigenetic marking later in life. *Journal of Neuroscience* 25:11045-11054.
224. Meaney MJ, Szyf M. (2005) Environmental programming of stress responses through DNA methylation: life at the interface between a dynamic environment and a fixed genome. *Dialogues in Clinical Neuroscience* 7:103-123.
223. Pruessner JC, Baldwin MW, Dedovic K, Renwick R, Mahani NK, Lord C, Meaney MJ, Lupien S. (2005) Self-esteem, locus of control, hippocampal volume, and cortisol regulation in young and old adulthood. *Neuroimage* 28:815-826.

222. Szyf M, Weaver IC, Champagne FA, Diorio J, Meaney MJ. (2005) Maternal programming of steroid receptor expression and phenotype through DNA methylation in the rat. *Frontiers in Neuroendocrinology* 26:139-162.
221. Plotsky PM, Thrivikraman KV, Nemeroff CB, Caldji C, Sharma S, Meaney MJ. (2005) Long-term consequences of neonatal rearing on central corticotropin-releasing factor systems in adult male rat offspring. *Neuropsychopharmacology* 30:2192-2204.
220. Matthews SG, Meaney MJ. (2005) Maternal adversity, vulnerability and disease. In: A. Riecher Rossler, M. Steiner (Eds) *Perinatal Stress, Mood and Anxiety Disorders*. Karger, p. 28-49.
219. Cameron N, Parent C, Champagne FA, Fish, Ozaki-Kuroda K, Meaney MJ. (2005) The Programming of individual differences in defensive responses and reproductive strategies in the rat through variations in maternal care. *Neuroscience & Biobehavioral Reviews* 29:843-865.
218. Meaney MJ. (2005) The development of animal models in neuroscience and molecular biology. In J. Oldham, D. Bender, A. Skodol (Eds) *The American Psychiatric Press Textbook of Personality Disorders*. American Psychiatric Press, p. 653-668.
217. Fries E, Moragues N, Caldji C, Hellhammer HH, Meaney MJ. (2004) Preliminary evidence of altered sensitivity to benzodiazepines as a function of maternal care in the rat. *Annals of the New York Academy of Science* 1032:320-324.
216. Menard J, Champagne D, Meaney MJ. (2004) Variations of maternal care differentially influence 'fear' reactivity and regional patterns of cFos immunoreactivity in response to the shock-probe burying test. *Neuroscience* 129:297-308.
215. Fish EW, Shahrokh D, Bagot R, Caldji C, Bredy T, Szyf M, Meaney MJ. Epigenetic programming of stress responses through variations in maternal care. *Annals of the New York Academy of Sciences* 1036:167-180.
214. Seckl JR, Meaney MJ. (2004) Glucocorticoid programming. *Annals of the New York Academy of Science* 1032:63-84.
213. Zhang TY, Parent C, Weaver ICG, Meaney MJ. (2004) Maternal programming of individual differences in defensive responses in the rat. *Annals of the New York Academy of Science* 1032:85-103.
212. Bredy TW, Zhang TY, Grant RJ, Diorio, J, Meaney MJ. (2004) Peripubertal environmental enrichment reverses the effects of maternal care on hippocampal development and glutamate receptor subunit expression. *European Journal of Neuroscience* 20:1355-1362.
211. Weaver ICG, Cervoni N, D'Alessio AC, Champagne FA, Seckl JR, Szyf M, Meaney MJ. (2004) Epigenetic programming through maternal behavior. *Nature Neuroscience* 7:847-854.
210. Meaney MJ. (2004) *The Nature of Nurture: Maternal Effects and Chromatin Remodeling*. In: *Essays in Social Neuroscience* (JT Cacioppo, GG Berntson Eds.) MIT Press, Boston.
209. Pruessner JC, Lord C, Meaney MJ, Lupien S. (2004) Effects of self-esteem on age-related changes in cognition and the regulation of the hypothalamic-pituitary-adrenal axis.

Annals of the New York Academy of Sciences 1032:186-194.

208. Caldji C, Diorio J, Anisman H, Meaney MJ. (2004) Maternal behavior regulates benzodiazepine/GABAA receptor subunit expression in brain regions associated with fear in BALB/c and C57BL/6 mice. *Neuropsychopharmacology* 29:1344-1352.
207. Bredy TW, Lee AW, Meaney MJ, Brown RE. (2004) Effect of neonatal handling and paternal care on offspring cognitive development in the monogamous California mouse (*Peromyscus californicus*). *Hormones & Behavior* 46:30-38.
206. Yehuda R, Golier JA, Halligan SL, Meaney MJ, Bierer LM. (2004) The ACTH Response to Dexamethasone in PTSD. *American Journal of Psychiatry* 161:1397-1403.
205. Laplante DP, Barr RG, Brunet A, Galbaud du Fort G, Meaney MJ, Saucier J-F, Zelazo PR, King S. (2004) Stress During Pregnancy Affects Intellectual and Linguistic Functioning in Human Toddlers. *Pediatric Research* 56:400-410.
204. Viau, V. Meaney MJ. (2004) Testosterone inhibition of ACTH and β -endorphin/ β -lipotropin responses to stress involves pituitary corticosteroid-binding globulin. *Journal of Endocrinology* 181:223-231.
203. Weaver ICG, Diorio J, Seckl JR, Szyf M, Meaney MJ. Environmental regulation of hippocampal glucocorticoid receptor gene expression: Characterization of intracellular mediators and potential genomic targets. *Annals of the New York Academy of Sciences* 1024:182-212.
202. Parent C, Zhang TY, Champagne D, Champagne FA, Caldji C, Meaney MJ. Environmental influences on the development of individual differences in behavioral and endocrine responses to stress. In, *The Science, Treatment, and Prevention of Antisocial Behaviors, Volume II*. (D. Fishbein, Ed.), p. 2/1-2/20.
201. Viau, V, Meaney MJ. (2004) Gonadal steroid regulation of CRH and AVP median eminence content in the female rat. *Journal of Neuroendocrinology* 16:72-78.
200. Champagne FA, Stevenson C, Gratton A, Meaney MJ. (2004) Individual differences in maternal behavior are mediated by dopamine release in the nucleus accumbens. *Journal of Neuroscience* 24:4113-4123.
199. Brake WG, Zang TY, Diorio J, Meaney MJ, Gratton A. (2004) Influence of early postnatal rearing conditions on mesocorticolimbic dopamine and behavioral responses to psychostimulants and stress in adult rats. *European Journal of Neuroscience* 19:1863-1874.
198. Pruessner JL, Champagne FA, Meaney MJ, Dagher A. (2004) Parental care and neuroendocrine and dopamine responses to stress in humans: A PET imaging study. *Journal of Neuroscience* 24:2825-2831.
197. Bredy TW, Diorio J, Grant R, Meaney MJ. (2003) Maternal care influences hippocampal neuron survival in the rat. *European Journal of Neuroscience* 18:2903-2909.
196. Champagne FA, Weaver ICG, Diorio J, Sharma S, Meaney MJ. (2003) Natural Variations in Maternal Care are Associated with Estrogen Receptor Alpha Expression and Estrogen Sensitivity in the MPOA. *Endocrinology* 144:4720-4724.

195. Meaney MJ. (2003) Plasticity and health: Social influences on gene expression and neural development. In *Expanding the Boundaries of Health and Social Science*, F. Kessel, P.L. Rosenfield, N.B. Anderson (Eds.), Oxford University Press, p. 147-176.
194. Champagne FA, Francis DD, Mar A, Meaney MJ. (2003) Naturally-occurring variations in maternal care in the rat as a mediating influence for the effects of environment on the development of individual differences in stress reactivity. *Physiology & Behavior* 79:359-371.
193. Caldji C, Diorio J, Meaney MJ. (2003) Variations in maternal care alter GABA_A receptor subunit expression in brain regions associated with fear. *Neuropsychopharmacology* 28:150-159.
192. Bredy TW, Humpartzoomian RA, Cain DP, Meaney MJ. (2003) The influence of maternal care and environmental enrichment on hippocampal development and function in the rat. *Neuroscience* 118:571-576.
191. Kalynchuk LE, Meaney MJ. (2003) Amygdala kindling increases fear responses and decreases glucocorticoid receptor mRNA expression in hippocampal regions. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 27:1225-34.
190. Rowe WB, O'Donnell J-P, Pearson D, Rose GM, Meaney MJ, Quirion R. (2003) Long-term effects of BIBN-99, a selective muscarinic M2 receptor antagonist, on improving spatial memory performance in aged cognitively impaired rats. *Behavioral Brain Research* 145:171-178.
189. Laplante PL, Meaney MJ. (2002) Serotonergic regulation of hippocampal glucocorticoid receptor expression is mediated via a serotonin-7 receptor. *Developmental Brain Research* 139:199-203
188. Francis DD, Diorio J, Plotsky PM, Meaney MJ. (2002) Environmental enrichment reverses the effects of maternal separation on stress reactivity. *Journal of Neuroscience* 22:7840-7843.
187. Pruessner JC, Collins DL, Lemay M, Briere S, Pruessner M, Evans AC, Meaney MJ, Lupien SJ. (2002) Association between hypothalamic-pituitary-adrenal axis (HPA) function and frontal lobe volumes in elderly subjects with depressive symptoms and memory complaints. *Brain and Cognition* 47:176-179.
186. Nestler EJ, Gould E, Manji H, Bunacan M, Duman RS, Greshenfeld HK, Hen R, Koester S, Lederhendler I, Meaney MJ, Robbins T, Winsky L, Zalcman S. (2002) Preclinical models: status of basic research in depression. *Biological Psychiatry* 52:503-528.
185. Kalynchuk LE, Meaney MJ, Kar S. (2002) Amygdala kindling induces a decrease in binding to insulin and insulin-like growth factor receptors in the hippocampus of adult rats. *Brain Research* 935:118-123.
184. Weaver ICG, Grant R, Meaney MJ. (2002) Maternal care regulates hippocampal expression of the apoptotic protein, BAX in the rat. *Journal of Neurochemistry* 82:998-1002.
183. Lupien S.J, Wilkinson, CW, Briere, S, Ng Ying Kin NMK, Meaney MJ, Nair NPV. (2002) Acute modulation of aged human memory by pharmacological manipulation of glucocorticoids. *Journal of Clinical Endocrinology & Metabolism* 87:3798-3807.
182. Francis DD, Young LJ, Meaney MJ, Insel TR. (2002) Maternal care affects the expression of oxytocin and vasopressin (V1a) receptors: gender differences. *Journal of Neuroendocrinology* 14:349-354.

181. Foundations in Social Neuroscience. (Eds.) J.T. Cacioppo, G.G. Bernston, R. Adolphs, C.S. Carter, M.K. McClintock, B.S. McEwen, M.J. Meaney, D.L. Schacter, E.M. Sternberg, S.S. Suomi, S.E. Taylor. The MIT Press, Cambridge, Massachusetts, 2002.
180. Yau JL, Noble J, Hibberd C, Rowe WB, Meaney MJ, Morris RG, Seckl JR. (2002) Chronic treatment with the antidepressant amitriptyline prevents impairments in water maze learning in aging rats. *Journal of Neuroscience* 22:1436-1442.
179. Huot RL, Thiruvikraman KV, Meaney MJ, Plotsky PM. (2001) Development of adult ethanol preference and anxiety as a consequence of neonatal maternal separation in Long Evans rats and reversal with antidepressant treatment. *Psychopharmacology* 158:366-73.
178. Shekhar A, McCann UD, Meaney MJ, Blanchard DC, Davis M, Frey KA, Liberzon I, Overall KL, Shear MK, Tecott LH, Winsky L. (2001) Summary of a National Institute of Mental Health workshop: developing animal models of anxiety disorders. *Psychopharmacologia* 327-39.
177. Meaney MJ, Brake W, Gratton A. (2002) Environmental regulation of the development of mesolimbic dopamine systems: a neurobiological mechanism for vulnerability to drug abuse? *Psychoneuroendocrinology* 27:127-138.
176. Meaney MJ. (2001) The development of individual differences in behavioral and endocrine responses to stress. *Annual Review of Neuroscience* 24:1161-1192.
175. Weaver ICG, LaPlante P, Weaver S, Parent A, Sharma S, Diorio J, Chapman KE, Seckl JR, Szyf M, Meaney, MJ. (2001) Early environmental regulation of hippocampal glucocorticoid receptor gene expression: Characterization of intracellular mediators and potential genomic target sites. *Molecular & Cellular Endocrinology* 185:205-218.
174. Champagne F, Diorio J, Sharma S, Meaney MJ. (2001) Variations in maternal care in the rat are associated with differences in estrogen-related changes in oxytocin receptor levels. *Proceedings of the National Academy of Science* 98:12736-12741.
173. Lupien SJ, King S, Meaney MJ, McEwen BS. (2001) Can poverty get under your skin? Basal cortisol levels and cognitive function in children from low and high socioeconomic status. *Development and Psychopathology* 13:653-676.
172. Meaney MJ. (2001) Nature, nurture and the disunity of knowledge. *Annals of the New York Academy of Sciences* 935:50-62.
171. Champagne F, Meaney MJ. (2001) Like mother, like daughter; Yes, but how? *Progress in Brain Research* 133:287-302
170. Caldji C, Diorio J, Meaney MJ. (2000) Maternal care regulates the development of individual differences in stress reactivity through effects on GABAergic systems. *Biological Psychiatry* 48:1164-1174.
169. Francis DD, Champagne F, Meaney MJ. (2000) Variations in maternal behaviour are associated with differences in oxytocin receptor levels in the rat. *Journal of Neuroendocrinology* 12:1145-1149.

168. Bredy TW, Weaver ICG, Champagne FA, Meaney, MJ. (2001) Stress, maternal care and neural development in the rat. In, *Toward a Theory of Neuroplasticity*. C.A. Shaw, JC. McEachern (Eds.). Psychology Press (Taylor & Francis), Philadelphia, p. 288-300.
167. Caldji C, Liu D, Sharma S, Bodnar M, Francis DD, Plotsky PM, Meaney MJ. (2000) The Development of Individual differences in Behavioral and Endocrine Responses to Stress: The Role of the Postnatal Environment, In *Handbook of Physiology. Section 7: The Endocrine System Volume IV: Coping with the Environment: Neural and Endocrine Mechanisms* (ED. Bruce S. McEwen) Oxford University Press.
166. Lupien SJ, Meaney MJ, McEwen BS. Child's stress hormone levels correlate with mother's socioeconomic status and depressive state. *Biological Psychiatry* (in press).
165. Liu D, Diorio J, Day JC, Francis DD, Mar A, Meaney MJ. (2000) Maternal care, hippocampal synaptogenesis and cognitive development in the Rat. *Nature (Neuroscience)* 3:799-806.
164. Meaney MJ, Diorio J, Donaldson L, Yau J, Chapman K, Seckl, JR. (2000) Handling alters the expression of messenger RNAs for AP-2, NGFI-A and NGFI-B in the hippocampus of neonatal rats. *Journal of Neuroscience* 20:3936-3945.
163. McCormick JA, Lyons V, Jacobson MD, Noble J, Diorio J, Nyirenda M, Weaver S, Ester W, Yau JLW, Meaney MJ, Seckl JR, Chapman KE. (2000) 5'Heterogeneity of glucocorticoid receptor messenger ribonucleic acid is tissue-specific: Differential regulation of variant transcripts by early life events. *Molecular Endocrinology* 14:506-517.
162. Weaver SA, Aherne FX, Meaney MJ, Schaefer AL, Dixon WT. (2000) Neonatal handling permanently alters hypothalamis-pituitary-adrenal axis function, behaviour, and body weight in boars. *Journal of Endocrinology* 164:349-359.
161. Meaney MJ, Lupien, SJ. (2000) Stress and the Hippocampus: And vice versa. In *Encyclopedia of Stress*. Academic Press (Ed. G.Fink), New York.
160. Ladd CO, Huot RL, Thirivikraman T, Nemeroff CB, Meaney MJ, Plotsky PM. (2000) Long-term behavioral and neuroendocrine adaptations to adverse early experience. *Progress in Brain Research* 122:79-101.
159. Brake WG, Flores G, Francis D, Meaney MJ, Srivastava LK, Gratton, A. (2000) Enhanced nucleus accumbens dopamine and plasma corticosterone stress responses in adult rats with neonatal excitotoxic lesions to the medial prefrontal cortex. *Neuroscience* 96:687-695.
158. Liu D, Caldji C, Sharma S, Plotsky PM, Meaney MJ. (2000) The effects of early life events on in vivo release of norepinepherine in the paraventricular nucleus of the hypothalamus and hypothalamic-pituitary-adrenal responses during stress. *Journal of Neuroendocrinology* 12:5-12.
157. Caldji C, Francis DD, Sharma S, Plotsky PM, Meaney MJ. (2000) The effects of early rearing environment on the development of GABAA and central benzodiazepine receptor levels and novelty-induced fearfulness in the rat. *Neuropsychopharmacology* 22:219-229.
156. Francis DD, Diorio J, Champagne FA, Meaney MJ. (1999) Parental care and the development of individual differences in stress responses. *Annals of the New York Academy of Sciences* 896:66-84.

155. Francis DD, Caldji C, Champagne FA, Plotsky PM, Meaney MJ. (1999) The role of corticotropin-releasing factor - norepinephrine systems in mediating the effects of early experience on the development of behavioral and endocrine responses to stress. *Biological Psychiatry* 46:1153-1166.
154. Francis DD, Diorio J, Liu D, Meaney MJ. (1999) Nongenomic transmission across generations in maternal behavior and stress responses in the rat. *Science* 286:1155-1158.
153. Francis DD, Liu D, Caldji C, Meaney MJ. (1999) Variations in maternal care and the development of stress responses. In, *Control Mechanisms of Stress and Emotion: Neuroendocrine-based studies*. H. Yamashita, J.W. Funder, J.G. Verbalis, Y. Ueta, Y. Endo (Eds.) Elsevier - Excerpta Medica, New York, p. 11-29.
152. McCormick JA, Lyons V, Noble J, Ester W, Meaney MJ, Seckl JR, Chapman KE. (1999) Tissue-specific differences in rat glucocorticoid receptor transcriptional regulation. *Biochemical Society transactions* 26:S207.
151. Kalynchuk LE, Pearson DM, Pinel JPJ, Meaney MJ. (1999) Effect of amygdala kindling on emotional behavior and benzodiazepine receptor binding in rats. *Annals of the New York Academy of Sciences* 877:737-741.
150. Lupien SJ, Nair NPV, Briere S, Maheu F, Tu MT, Lemay M, McEwen BS, Meaney MJ. (1999) Increased cortisol levels and impaired cognition in human aging: Implications for depression and dementia in later life. *Reviews in Neurosciences* 10:117-139.
149. McEwen BS, de Leon MJ, Lupien S, Meaney MJ. (1999) Corticosteroids, the aging brain and cognition. *Trends in Endocrinology & Metabolism* 10:92-97.
148. Francis DD, Meaney MJ. (1999) Maternal care and the development of stress responses. *Current Opinions in Neurobiology* 9:128-134.
147. Anisman H, Zaharia MD, Meaney MJ, Merali Z. (1998) Do early life events permanently alter behavioral and hormonal responses to stressors? *International Journal of Developmental Neuroscience* 16:149-164.
146. Caldji C, Tannenbaum B, Sharma S, Francis D, Plotsky PM, Meaney MJ. (1998) Maternal care during infancy regulates the development of neural systems mediating the expression of behavioral fearfulness in adulthood in the rat. *Proceedings of the National Academy of Sciences* 95:5335-5340.
145. Lupien S, Sharma S, Nair NPV, Hauger R, McEwen BS, de Leon M, Meaney MJ. (1998) Glucocorticoids and human brain aging. *Nature (Neuroscience)* 1:69-73.
144. Lupien S, Meaney MJ. (1998) Stress, glucocorticoids, and hippocampus aging in rat and human. In *Handbook of Human Aging* (eds. E. Wang and S. Snyder). Academic Press, p. 19-50.
143. Rowe W, Spreekmeester E, Meaney MJ, Quirion R, Rochford J. (1998) Reaction to novelty in cognitively impaired and unimpaired aged and young rats. *Neuroscience* 83:669-680.
142. Weaver S, Meaney MJ. (1997) Environmental regulation of forebrain glucocorticoid receptor development. *Current Opinion in Endocrinology & Diabetes* 4:147-158.

141. Rowe WB, Aubert I, Kitaichi K, Day J, Meaney MJ, Quirion R. (1997) Enhanced cognitive performance in aged memory-impaired rats treated with a selective muscarinic receptor antagonist. *Annals of Psychiatry* 7.
140. Liu D, Diorio J, Tannenbaum B, Caldji C, Francis D, Freedman A, Sharma S, Pearson D, Plotsky PM, Meaney MJ. (1997) Maternal care, hippocampal glucocorticoid receptors and HPA responses to stress. *Science* 277:1659-1662.
139. Tannenbaum B, Tannenbaum GS, Brindley D, Dallman MF, MacArthur MD, Meaney MJ. (1997) The effects of dietary high fat on hypothalamic-pituitary-adrenal function: A potential mechanism underlying the relationship between high fat intake and metabolic disorders. *American Journal of Physiology* 36:E1168-E1177.
138. Rowe WB, Walker M, Steverman A, Barden N, Seckl JR, Meaney MJ. (1997) Hypothalamic-pituitary-adrenal function in aged, cognitively impaired and unimpaired rats: Effects of anti-depressant drugs on basal levels of adrenocorticotrophin and corticosterone. *Neurobiology of Aging* 18:527-533.
137. Rouse I, Beaulieu S, Rowe WB, Meaney MJ, Barden N, Rochford, J. (1997) Spatial memory in transgenic mice with impaired glucocorticoid receptor function. *Neuroreport* 8:841-845.
136. Rowe W, Meaney MJ, Nicot A, Rostene WH, Gully D, Quirion R. (1997) Central administration of the neurotensin antagonist, SR48692, affects basal and stress-related hypothalamic-pituitary-adrenal activity. *Neuroendocrinology* 66:75-85.
135. Bhatnagar S, Shanks N, Plotsky PM, Meaney MJ. (1997) Hypothalamic-Pituitary-Adrenal Responses to Stress in Neonatally Handled and Nonhandled Rats: Differences in Facilitatory and Inhibitory Neural Pathways. In *Catecholamines and Other Neurotransmitters in Stress*. Eds. R. Kvetnansky and R. McCarty, p. 893-918.
134. Kuchel GA, Rowe W, Meaney MJ, Richard C. (1997) Neurotrophin receptor and tyrosine hydroxylase gene expression in aged sympathetic neurons. *Neurobiology of Aging* 18:67-79.
133. Tannenbaum B, Sharma S, Diorio J, Walker M, Steverman A, Meaney MJ. (1997) Dynamic changes in plasma CBG and sustained elevations in basal corticosterone levels in the 24 hours following acute stress in the rat. *Journal of Neuroendocrinology* 9:163-168.
132. Lupien S, Gaudreau S, Sharma S, Nair NPV, Hauger R, Meaney MJ. (1997) The effects of psychological stress on explicit and implicit memory performance in healthy elderly subjects: Relationship to cortisol reactivity. *Journal of Clinical Endocrinology & Metabolism* 82:2070-2075.
131. O'Donnell D, Diorio J, Meaney MJ. (1996) The development of corticosteroid receptor systems in the brain: Relation to neuronal maturation. In *The Development of CNS Receptors* (Ed. C. Shaw) Pergamon Press, New York, 177-204.
130. Zaharia MD, Shanks N, Meaney MJ, Anisman H. (1996) The Effects of postnatal handling on Morris water maze acquisition in different strains of mice. *Psychopharmacology* 128:227-239.
129. Smythe JW, McCormick CM, Meaney MJ. (1996) Median eminence corticotrophin-releasing hormone (CRH) content following prenatal stress and postnatal handling. *Behavioral Brain Research* 40:195-199.

128. Le Jeune H, Cécylre D, Rowe W, Meaney MJ, Quirion R. (1996) Glutamate receptor subtypes in aged memory-impaired and unimpaired Long Evans rats. *Neuroscience* 74:349-363.
127. Francis D, Diorio J, Laplante P, Weaver S, Seckl RJ, Meaney MJ. (1996) The role of early environmental events in regulating neuroendocrine development: Moms, pups, stress and glucocorticoid receptors. *Annals of the New York Academy of Sciences* 794:136-152.
126. Gallagher M, Landfield PW, McEwen BS, Sapolsky RM, Meaney MJ, West M. (1996) Hippocampal cell death. *Science* 272:1249-51.
125. Hanisch UK, Rowe W, Van Rossum D, Meaney MJ, Quirion R. (1996) Phasic hyperactivity of the HPA axis resulting from chronic central IL-2 administration. *Neuroreport* 7:2883-2888.
124. Bhatnagar S, Shanks N, Meaney MJ. (1996) Plaque-forming cell responses and antibody titers following injection of sheep-red blood cells in nonstressed, acute and/or chronically stressed handled and nonhandled animals. *Developmental Psychobiology* 29:171-181.
123. Leyton M, Bélanger C, Martial J, Beaulieu S, Corin E, Pecknold J, Kin F, Thavundayil J, Meaney MJ, Larue S, Nair NPV. (1996) Cardiovascular, neuroendocrine, and monoaminergic responses to psychological stressors: Differences between remitted panic disorder patients and healthy controls. *Biological Psychiatry* 40:353-360.
122. Meaney MJ, Diorio J, Widdowson J, LaPlante P, Caldji C, Seckl JR Plotsky PM. (1996) Early environmental regulation of forebrain glucocorticoid receptor gene expression: Implications for Adrenocortical Responses to Stress. *Developmental Neuroscience* 18:49-72.
121. Sarrieau A, Alonso R, Meaney MJ. (1996) Nerve growth factor decreases glucocorticoid receptor levels in cultured hippocampal cells. *Neuroscience Letters* 206:207-211.
120. Lupien S, LeCours AR, Schwartz G, Sharma S, Meaney MJ, Nair NPV. (1996) Longitudinal studies of basal cortisol levels in healthy elderly subjects: Evidence for sub-groups. *Neurobiology of Aging* 17:95-105.
119. Viau V, Sharma S, Meaney MJ. (1996) Glucocorticoid receptor occupancy, corticosteroid-binding globulin, and hypothalamic-pituitary-adrenal responses to stress following stress in neonatal rat pups. *Journal of Neuroendocrinology* 8:1-8.
118. Viau V, Meaney MJ. (1996) The inhibitory effect of testosterone on hypothalamic-pituitary-adrenal responses to stress in the male rat: Role of the medial preoptic area. *Journal of Neuroscience* 16:1866-1876.
117. Leyton M, Corin E, Martial J, Meaney MJ. (1995) Psychotic symptoms and vulnerability to recurrent major depression. *Journal of Affective Disorders* 33:107-115.
116. Bhatnagar S, Shanks N, Meaney MJ. (1995) Hypothalamic-pituitary-adrenal function in handled and nonhandled rats in response to chronic stress. *Journal of Neuroendocrinology* 7:101-109.
115. Parent A, Rowe WB, Meaney MJ, Quirion R. (1995) Alterations in the production of inositol phosphates and diacylglycerol in aged, cognitively-impaired rats following stimulation of muscarinic, metabotropic-glutamate and endothelin receptors. *Journal of Pharmacology and Experimental Therapeutics* 272:1110-1116.

114. Rostene W, Sarrieau A, Nicot A, Scarceriaux V, Gully D, Meaney MJ, Rowe WB, De Kloet ER, Pelaprat D, Berod A. (1995) Steroid effects on brain functions: An example of the actions of glucocorticoids on central dopaminergic and neurotensinergic systems. *Journal of Psychiatry & Neuroscience* 20:66-74.
113. Meaney MJ, Diorio J, O'Donnell D, Smythe JW, Parent A, Sharma S. (1995) Serotonin as a mediator of the effects of environmental events on the development of the hypothalamic-pituitary-adrenal axis. In W.A. Hunt and S. Zakhari (Eds.). *Stress, Gender and Alcohol-Seeking Behavior*. NIAA Research Monograph - 29, Bethesda, Maryland, p. 199-218.
112. Montowski A, Barden N, Wotjak C, Stec I, Ganster J, Meaney MJ, Englemann M, Reul JM, Landgraf R, Holsboer F. (1995) Long-term antidepressant treatment reduces behavioural deficits in transgenic mice with impaired glucocorticoid receptor function. *Journal of Neuroendocrinology* 7:841-845.
111. O'Donnell D, Francis D, Weaver S, Meaney MJ. (1995) Effects of adrenalectomy and corticosterone replacement on glucocorticoid receptor levels in rat brain tissue: A comparison between receptor binding assays and Western blotting. *Brain Research* 687:133-142.
110. Rowe WB, Viau V, Meaney MJ, Quirion R. (1995) Stimulation of CRH-mediated ACTH secretion by central neurotensin: Evidence for the participation of the paraventricular nucleus. *Journal of Neuroendocrinology* 7:109-117.
109. Aubert I, Rowe WB, Meaney MJ, Gauthier S, Quirion R. (1995) Cholinergic markers in aged-memory-impaired and unimpaired Long Evans rats. *Neuroscience* 67:277-291.
108. Meaney MJ, O'Donnell D, Tannenbaum B, Rowe WB, Desjardins C, Walker M, Steverman A, Sharma S. (1995) Glucocorticoids, aging and the hippocampus. *Experimental Gerontology* 30:229-252.
107. Yau JLW, Olsson T, Morris RGM, Meaney MJ, Seckl JR. (1995) Chronic antidepressant treatment improves spatial learning in young, but not aged rats: Correlation with corticosteroid receptor gene expression in the hippocampus. *Neuroscience* 66:571-581.
106. Quirion R, Aubert I, Doods H, Parent A, Rowe W, White N, Wilson A, Meaney MJ. (1995) Acetylcholine and memory: Facilitation of acetylcholine release and learning by an M2-muscarinic receptor antagonist in age-memory impaired rats. *Journal of Neuroscience* 15:1455-1462.
105. Desjardins C, Beaudet A, Meaney MJ, Brawer JR. (1995) Estrogen-induced hypothalamic β -endorphin neuron loss: a possible model of hypothalamic aging. *Journal of Experimental Gerontology* 30:253-269.
104. Shanks N, Larocque S, Meaney MJ. (1995) Neonatal endotoxin exposure alters the development of the hypothalamic-pituitary-adrenal axis: Early illness and later responsivity to stress. *Journal of Neuroscience* 15:376-384.
103. Bodnoff SR, Humphreys A, Lehman J, Diamond DM, Rose GM, Meaney MJ. (1995) Enduring effects of elevated glucocorticoid levels on spatial memory deficits, dampened long-term potentiation, and hippocampal neuron loss in mid-aged rats. *Journal of Neuroscience* 15:61-69.
102. Meaney MJ, Bhatnagar S, Larocque S, McCormick CM, Shanks N, Sharma S, Smythe JW, Viau V, Plotsky PM. (1995) Early Environment and the Development of Individual Differences in the Hypothalamic-

Pituitary-Adrenal Stress Response. In, C. Pfeffer (Ed.), *Intense Stress and Mental Disturbance in Children*. American Psychiatric Press, Inc., New York, p. 103-60.

101. Bhatnagar S, Betito K, Mitchell JB, Boksa P, Meaney MJ. (1995) Effects of chronic intermittent cold stress on pituitary-adrenocortical and sympathetic adrenomedullary functioning. *Physiology & Behavior* 57:633-639.
100. Meaney MJ, Tannenbaum B, Francis D, Bhatnagar S, Shanks N, Viau V, O'Donnell D. (1994) Early environmental programming hypothalamic-pituitary-adrenal responses to stress. *Seminars in Neuroscience* 6:1-13.
99. Meaney MJ, Diorio J, Francis D, Larocque S, O'Donnell D, Smythe JW, Sharma S, Tannenbaum B. (1994) Environmental regulation of the development of glucocorticoid receptor systems in the rat forebrain: The role of serotonin. *Annals of the New York Academy of Sciences* 746:260-275.
98. Shanks N, Francis D, Zalcman S, Meaney MJ, Anisman H. (1994) Alterations in central catecholamines associated with immune responding in adult and aged mice. *Brain Research* 666:77-87.
97. Hanisch U-K, Rowe WB, Sharma S, Kar S, Meaney MJ, Quirion R. (1994) Hypothalamic-pituitary-adrenal activity during chronic central administration of interleukin-2. *Endocrinology* 135:2465-2472.
96. Iny LJ, Pecknold J, Nair NPV, Suranyi-Cadotte BE, Luthe L, Meaney MJ. (1994) Evidence for a neurochemical link between anxiety, depression, and stress from studies of [3H]imipramine and [3H]paroxetine binding in human platelets. *Biological Psychiatry* 36:281-291.
95. Shanks N, McCormick CM, Meaney MJ. (1994) Sex differences in HPA responses to endotoxin challenge in the neonate: Reversal by gonadectomy. *Developmental Brain Research* 79:260-266.
94. O'Donnell D, Larocque S, Seckl JR, Meaney MJ. (1994) Postnatal handling alters glucocorticoid, but not mineralocorticoid mRNA expression in adult rats. *Molecular Brain Research* 26:242-248.
93. Smythe JW, Rowe WB, Meaney MJ. (1994) Neonatal handling alters serotonin turnover and serotonin type 2 receptor density in selected brain regions. *Developmental Brain Research* 80:183-189.
92. Seckl JR, Meaney MJ. (1994) Early life events and later development of ischaemic heart disease. *Lancet* 342:1236.
91. Lupien S, LeCours AR, Schwartz G, Sharma S, Nair NPV, Meaney MJ. (1994) Neuropsychological assessment of healthy elderly subjects in relation to basal cortisol activity. *Journal of Neuroscience* 14:2893-2903.
90. Betito K, Mitchell JB, Bhatnagar S, Boksa P, Meaney MJ. (1994) Glucocorticoid regulation of the adrenomedullary catecholaminergic system following mild, acute stress. *American Journal of Physiology* 267:R12-R22.
89. McCormick CM, Smythe J, Sharma S, Meaney MJ. (1994) Sex-dependent effects of prenatal stress on the development of brain corticosteroid receptor systems and hypothalamic-pituitary-adrenal responses to stress. *Developmental Brain Research* 79:260-266.

88. Shanks N, Meaney MJ. (1994) Hypothalamic-pituitary-adrenal responses to endotoxin challenge in neonatal rats: Mediation via CRH. *Journal of Neuroendocrinology* 6:375-383.
87. O'Donnell D, Meaney MJ. (1994) Aldosterone modulates glucocorticoid receptor binding in hippocampal cell cultures via the mineralocorticoid receptor. *Brain Research* 636:49-54.
86. Smythe JW, McCormick CM, Rochford J, Meaney MJ. (1994) Interaction between prenatal stress and postnatal handling on nociception in the rat. *Physiology & Behavior* 55:971-974.
85. Fleshner M, Watkins LR, Lockwood LL, Grahn RE, Gerhardt G, Meaney MJ, Laudenslager ML, Maier SF. (1993) A new method for blocking the hypothalamic-pituitary-adrenal response to stress. *Psychoneuroendocrinology* 18:251-262.
84. Meaney MJ, Bodnoff SR, O'Donnell D, Rowe W, Sarrieau A, Rose GM, Poirier J, Seckl JR. (1993) Glucocorticoids as regulators of neuron survival and repair in the aged brain. In, A.C. Cuello (Ed.), *Resorative Neurology*, Vol. 6. Elsevier, Amsterdam, p. 267-289.
83. Betito K, Diorio J, Meaney MJ, Boksa P. (1993) Glucocorticoid (GC) receptors in bovine adrenal medullary cells in culture: Regulation by cyclic nucleotides. *Journal of Neurochemistry* 54:263-273.
82. Viau V, Sharma S, Plotsky PM, Meaney MJ. (1993) The hypothalamic-pituitary-adrenal response to stress in handled and nonhandled rats: Differences in stress-induced plasma ACTH secretion are not dependent upon increased corticosterone levels. *Journal of Neuroscience* 13:1097-1105.
81. Plotsky PM, Meaney MJ. (1993) Effects of early environment on hypothalamic corticotrophin-releasing factor mRNA, synthesis, and stress-induced release. *Molecular Brain Research* 18:195-200.
80. Bhatnagar S, Meaney MJ, Amir S. (1993) The effects of prostaglandin E2 injected into the paraventricular nucleus of the hypothalamus on brown adipose tissue thermogenesis in spontaneously hypertensive rats. *Brain Research* 613:285-287.
79. Diorio D, Viau V, Meaney MJ. (1993) The role of the frontal cortex in the regulation of hypothalamic-pituitary-adrenal activity. *Journal of Neuroscience* 13:3839-3847.
78. Meaney MJ, O'Donnell D, Viau V, Bhatnagar S, Sarrieau A, Smythe JW, Shanks N, Walker C-D. (1993) Corticosteroid Receptors in Rat Brain and Pituitary During Development and Hypothalamic-Pituitary-Adrenal (HPA) Function. In P. McLaughlin and I. Zagon (Eds.), *Receptors and the Developing Nervous System*. Chapman and Hall, London, p. 163-202.
77. Iny LJ, Suryani-Cadotte BE, Bernier B, Luthe L, Meaney MJ. (1993) Relationship of social support to [3H]imipramine binding during and after examination stress. *Journal of Psychiatry and Neuroscience* 18:143-147.
76. Meaney MJ, Bhatnagar S, McCormick CM, Shanks N, Smythe JW, Viau V. (1993) Individual differences in hypothalamic-pituitary-adrenal stress response and the hypothalamic CRF system. *Annals of the New York Academy of Science* 697:70-86.
75. Meaney MJ, Bhatnagar S, Diorio J, Larocque S, Francis D, O'Donnell D, Shanks N, Sharma S, Smythe JW, Viau V. (1993) Molecular basis for the development of individual differences in the hypothalamic-pituitary-adrenal stress response. *Cell and Molecular Neurobiology* 13:321-347.

74. Seckl JR, French KL, O'Donnell D, Meaney MJ, Nair NPV, Yates CM, Fink G. (1993) Glucocorticoid receptor gene expression is unaltered in hippocampal neurons in Alzheimer's disease. *Molecular Brain Research* 18:239-245.
73. O'Donnell D, Bacchiet A, Seckl JR, Meaney MJ, Poirier J. (1993) Entorhinal cortex lesions alter hippocampal glucocorticoid but not mineralocorticoid receptor mRNA levels. *Journal of Neurochemistry* 61:356-359.
72. Meaney MJ, Bodnoff SR, Bhatnagar S, O'Donnell D, Welner SA, Poirier J. (1993) Glucocorticoids as mediators of brain aging. In M. H. Makman and G. B. Stefano (Eds.), *Model Systems: Neuroregulatory Mechanisms in Aging*. Pergamon Press, p. 89-116.
71. Plotsky PM, Thrivikraman KV, Meaney MJ. (1992) Central and feedback regulation of hypothalamic corticotropin-releasing factor secretion. In CIBA Foundation Symposium, *Corticotropin-Releasing Factor*. Wiley, p. 59-84.
70. Rowe W, Viau V, Meaney MJ, Quirion R. (1992) Central administration of neurotensin stimulates hypothalamic-pituitary-adrenal activity: The paraventricular nucleus of the hypothalamus appears to be the critical site of action. *Annals of the New York Academy of Sciences* 668:365-367.
69. Viau V, Montagne M-N, Sarrieau A, Meaney MJ, Rostene WH. (1992) Changes in vasoactive intestinal peptide binding site densities in the CNS and pituitary of the female rat during lactation. *Journal of Neuroendocrinology* 4:759-764.
68. Betito K, Diorio J, Meaney MJ, Boksa P. (1992) Short-term exposure to high cortisol levels alters adrenal medullary phenylethanolamine N-methyl transferase. *Journal of Neurochemistry* 58:1853-1862.
67. Meaney MJ, Aitken DH, Sharma S, Viau V. (1992) Basal ACTH, corticosterone, and corticosterone-binding globulin levels over the diurnal cycle, and hippocampal corticosteroid receptors in Young and Aged, Handled and Nonhandled Rats. *Neuroendocrinology* 55:204-213.
66. Mitchell JB, Betito K, Boksa P, Rowe W, Meaney MJ. (1992) Serotonergic regulation of type II corticosteroid receptor binding in cultured hippocampal cells: The role of serotonin-induced increases in cAMP levels. *Neuroscience* 48:631-639.
65. Walker C-D, Aubert ML, Meaney MJ, Driscoll P. (1992) Individual differences in the activity of the hypothalamic-pituitary-adrenal system after stress: Use of phylogenetically selected rat lines as a model, In P. Driscoll (Ed.), *Genetic Variation in Endocrine Systems*, p. 276-296.
64. Meaney MJ, Viau V, Bhatnagar S, Betito K, Iny LJ, Mitchell JB. (1991) Cellular mechanisms underlying the development and expression of individual differences in the hypothalamic-pituitary-adrenal stress response. *Journal of Steroid Biochemistry and Molecular Biology* 39:265-274.
63. Viau V, Meaney MJ. (1991) Variations in the hypothalamic-pituitary-adrenal response to stress over the estrus cycle in the rat. *Endocrinology* 129:2503-2511.
62. Mitchell JB, Meaney MJ. (1991) The effects of corticosterone on response consolidation and retrieval in the forced swim test. *Behavioral Neuroscience* 105:798-803.

61. Meaney MJ, Mitchell JB, Bhatnagar S, Viau V, Bodnoff SR. (1991) Early environmental regulation of the hypothalamic-pituitary-adrenal axis: The role of serotonin. In T. Fujji (Ed.), *Functional Neurobiology of Short-Term Exposure to Drugs*. Teikyo University Press, p. 55-72.
60. Diorio D, Welner S, Butterworth R, Meaney MJ, Suranyi-Cadotte BE. (1991) Peripheral benzodiazepine binding sites in frontal and temporal cortex in Alzheimer's disease. *Neurobiology of Aging* 12:255-258.
59. Meaney MJ, Aitken DH, Bhatnagar S, Sapolsky RM. (1991) Postnatal handling attenuates certain neuroendocrine, anatomical, and cognitive dysfunctions associated with aging in female rats. *Neurobiology of Aging* 12:31-38.
58. Meaney MJ, Mitchell JB, Bhatnagar S, Iny LJ, Bodnoff SR, Viau V, Sarrieau A. (1991) The effects of neonatal handling on the development of the adrenocortical stress response: Implications for neuropathology and cognitive deficits in later life. *Psychoneuroendocrinology* 16:87-105.
57. Peiffer A, Barden N, Meaney MJ. (1991) Age-related changes in glucocorticoid receptor binding and mRNA levels in rat brain and pituitary. *Neurobiology of Aging* 12:475-479.
56. Araujo DM, Lapchak PA, Collier B, Meaney MJ, Quirion R. (1990) Effects of aging on nicotinic and muscarinic autoreceptor function in the rat brain: Relationship to presynaptic cholinergic markers and binding sites. *Journal of Neuroscience* 10:3069-3078.
55. Mitchell JB, Iny LJ, Meaney MJ. (1990) The role of serotonin in the development and environmental regulation of hippocampal type II corticosteroid receptors in the rat. *Developmental Brain Research* 55:231-235.
54. Meaney MJ, Aitken DH, Bhatnagar S, Bodnoff SR, Mitchell JB, Viau V, Sarrieau A. (1990) Neonatal handling and the development of the adrenocortical response to stress. In N. Gunzenhauser (Ed.), *Advances in Touch: New Implication in Human Development*. Johnson & Johnson Pediatric Round Table Series, Vol. 14. Skillman, NJ, p. 11-21.
53. Mitchell JB, Rowe W, Boksa P, Meaney MJ. (1990) Serotonin regulates type II, corticosteroid receptor binding in cultured hippocampal cells. *Journal of Neuroscience* 10:1745-1752.
52. Issa A, Rowe W, Gauthier S, Meaney MJ. (1990) Hypothalamic-pituitary-adrenal function in aged, cognitively impaired and unimpaired rats. *Journal of Neuroscience* 10:3247-3254.
51. Meaney MJ, Lozos E, Stewart J. (1990) Infant-carrying by nulliparous, female vervet monkeys (*Cercopithecus aethiops*). *Journal of Comparative Psychology* 104:377-382.
50. Sarrieau A, Mitchell JB, Lal S, Olivier A, Quirion R, Meaney MJ. (1990) Androgen receptors in human temporal cortex. *Neuroendocrinology* 51:713-718.
49. Meaney M.J. (1989) Sex differences in social play. *Psychiatric Developments* 3:247-261.
48. Waters GS, Meaney MJ. (1989) Peer-commentary on exercises in behavioral explanation. *Journal of Speech Language Pathology and Audiology* 13:10-11.

47. Gianoulakis C, Beliveau D, Angeloianni P, Meaney MJ, Thavundayil J, Tawar V, Dumas M. (1989) Different pituitary β -endorphin and adrenal cortisol response to ethanol in individuals with high and low risk for future development of alcoholism. *Life Sciences* 45:1097-1109.
46. Walker C-D, Rivest R, Meaney MJ, Aubert ML. (1989) Differential activation of the pituitary-adrenocortical axis after stress in the rat: use of two genetically selected lines (Roman low- and high-avoidance rats) as a model. *Journal of Endocrinology* 123:477-485.
45. Meaney MJ, Aitken DH, Sharma S, Viau V, Sarrieau A. (1989) Postnatal handling of rats alters adrenocortical negative-feedback: A model for individual differences in the neuroendocrine response to stress. *Neuroendocrinology* 50:597-604.
44. Aitken DH, Meaney MJ. (1989) Temporally graded, age-related impairments in spatial memory in the rat. *Neurobiology of Aging* 10:273-277.
43. Bodnoff SR, Suranyi-Cadotte BE, Quirion R, Meaney MJ. (1989) The anxiolytic effects of tricyclic and novel antidepressants. *Psychopharmacology* 97:277-279.
42. Bodnoff SR, Suranyi-Cadotte BE, Quirion R, Meaney MJ. (1989) The role of the central benzodiazepine receptor system in behavioral habituation to novelty. *Behavioral Neuroscience* 103:209-212.
41. Meaney MJ, Viau V, Bhatnagar S, Aitken DH. (1989) Glucocorticoid receptor levels in the pituitary and limbic brain of the lactating rat. *Physiology & Behavior* 45:209-212.
40. Boksa P, Aitken DH, Meaney MJ. (1989) Effects of the catecholaminergic neurotoxin, DSP-4, on adrenal chromaffin cells in culture. *Biochemical Pharmacology* 38:1491-1498.
39. Meaney MJ. (1988) The Psychobiology of Reproductive Behavior: An Evolutionary Perspective (Book Review). *Psychobiology* 16:426-428.
38. Sarrieau A, Sharma S, Meaney MJ. (1988) Ontogeny and differential sensitivity to environmental factors of glucocorticoid and mineralocorticoid receptors in the rat hippocampus. *Developmental Brain Research* 43:158-162.
37. Stewart J, Meaney MJ, Aitken DH, Jensen L, Kalant N. (1988) The effects of acute and life-long food restriction on basal and stress-induced serum corticosterone levels in young and aged rats. *Endocrinology* 123:1934-1941.
36. Bodnoff SR, Aitken DH, Viau V, Van Berkel Ch, Sapolsky RM, Meaney MJ. (1988) Individual differences in the adrenocortical stress response and aging. *Journal of Cellular Biochemistry Suppl.* 12D, 318.
35. Meaney MJ, Aitken DH, Bhatnagar S, Van Berkel C, Sapolsky RM. (1988) Postnatal handling attenuates Neuroendocrine, Anatomical, and Cognitive Impairments Related to the Aged Hippocampus. *Science* 239:766-768.
34. Sapolsky RM, Meaney MJ. (1988) The measurement of glucocorticoid receptors in post-mortem brain tissue. *Brain Research* 448:182-185.
33. Meaney, MJ. (1988) The sexual differentiation of social play. *Trends in Neuroscience* 11:55-58.

32. Bodnoff SR, Suranyi-Cadotte BE, Aitken DH, Quirion R, Meaney MJ. (1988) The effects of chronic antidepressant treatment in an animal model of anxiety. *Psychopharmacology* 95:298-302.
31. Meaney MJ, Viau V, Bhatnagar S, Aitken DH. (1988) Occupancy and translocation of hippocampal glucocorticoid receptors during and following stress. *Brain Research* 445:198-203.
30. Sarrieau A, Dussailant M, Sapolsky RM, Aitken DH, Olivier A, Lal S, Rostene WH, Quirion R, Meaney MJ. (1988) Glucocorticoid binding sites in human temporal cortex. *Brain Research* 442:159-163.
29. Bodnoff SR, Suranyi-Cadotte BE, Quirion R, Meaney MJ. (1987) Postnatal handling reduces novelty-induced fear and increases [3H]flunitrazepam binding in rat brain. *European Journal of Pharmacology* 144:105-108.
28. Iny LJ, Gianoulakis C, Palmour R, Meaney MJ. (1987) The β -endorphin response to stress during postnatal development in the rat. *Developmental Brain Research* 31:177-181.
27. Meaney MJ, Aitken DH, Sapolsky RM. (1987) Thyroid hormones influence the development of hippocampal glucocorticoid receptors in the rat: A mechanism for the effects of postnatal handling on the development of the adrenocortical stress response. *Neuroendocrinology* 45:278-283.
26. Sapolsky RM, Meaney MJ. (1986) The maturation of the adrenocortical stress response in the rat. *Brain Research Reviews* 11:65-76.
25. Meaney MJ, McEwen BS. (1986) Testosterone implants into the amygdala of neonatal female rats masculinizes play-fighting. *Brain Research* 398:324-328.
24. Mitchell JM, Tatarewicz JE, Meaney MJ. (1986) Molybdate stabilizes brain glucocorticoid receptors in incubations at room temperature (22°C). *Brain Research* 383:373-376.
23. Walker CD, Sapolsky RM, Meaney MJ, Vale WW, Rivier C. (1986) Increased pituitary sensitivity to glucocorticoid feedback during the stress non-responsive period in the rat. *Endocrinology* 119:1816-1821.
22. McEwen BS, Rainbow TC, Biegan A, Fischette CT, Meaney MJ, Rostene WH, Sapolsky RM. (1986) Studies of steroid hormone and neurotransmitter receptors. In C. Boast, E.W. Snowhill, and C.A. Altar (Eds.), *Advances and Techniques in Quantitative Receptor Autoradiography*, Alan Liss, New York.
21. Meaney MJ, Stewart J, Beatty WW. (1985) Sex differences in social play: The socialization of sex roles. *Advances in the Study of Behavior* 15:1-58.
20. Meaney MJ, Sapolsky RM, McEwen BS. (1985) The development of the glucocorticoid receptor system in the rat limbic brain: I. Ontogeny and autoregulation. *Developmental Brain Research* 18:159-164.
19. Meaney MJ, Sapolsky RM, McEwen BS. (1985) The development of the glucocorticoid receptor system in the rat limbic brain. II. An autoradiographic study. *Developmental Brain Research* 18:165-169.
18. Sapolsky RM, Meaney MJ, McEwen BS. (1985) The development of the glucocorticoid receptor system in the rat limbic brain. III. Negative-feedback control. *Developmental Brain Research* 18:170-175.

17. Meaney MJ, Aitken DH. (1985) [³H]Dexamethasone binding in rat frontal cortex. *Brain Research* 328:176-180.
16. Meaney MJ, Aitken DH. (1985) The effects of early postnatal handling on the development of hippocampal glucocorticoid receptors: Temporal parameters. *Developmental Brain Research* 22:301-304.
15. Meaney MJ, Aitken DH, Bodnoff SR, Iny LJ, Tatarewicz JE, Sapolsky RM. (1985) Early, postnatal handling alters glucocorticoid receptor concentrations in selected brain regions. *Behavioral Neuroscience* 99:760-765.
14. Meaney MJ, Aitken DH, Bodnoff SR, Iny LJ, Sapolsky RM. (1985) The effects of postnatal handling on the development of the glucocorticoid receptor systems and stress recovery in the rat. *Progress in Neuropsychopharmacology & Biological Psychiatry* 7:731-734.
13. Meaney MJ, Aitken DH, Jensen L, McGinnis MY, McEwen BS. (1985) Nuclear and cytosolic androgen receptor levels in the limbic brain of neonatal male and female rats. *Developmental Brain Research* 23:179-184.
12. Meaney MJ, Sapolsky RM, Aitken DH, McEwen BS. (1985) [3H]Dexamethasone binding in fetal rat limbic brain. *Developmental Brain Research* 23:297-300.
11. Meaney MJ, Stewart J, Poulin P, McEwen BS. (1983) Sexual differentiation of social play in rat pups is mediated by the neonatal androgen-receptor system. *Neuroendocrinology* 37:85-90.
10. McGinnis MY, Davis PG, Meaney MJ, Singer M, McEwen BS. (1983) In vitro measurement of cytosol and nuclear androgen receptors in male rat brain and pituitary. *Brain Research* 275:75-82.
9. Meaney MJ Stewart J. (1983) The influence of exogenous testosterone and corticosterone on the social behavior of prepubertal male rats. *Bulletin Psychonomic Society* 21:232-234.
8. Meaney MJ, Stewart J, Beatty WW. (1982) The influence of glucocorticoids during the neonatal period on the social play of juvenile Norway rats. *Hormones Behavior* 16:475-491.
7. Meaney MJ, Stewart J. (1981) Neonatal androgens influence the social play of prepubescent rats. *Hormones and Behavior* 15:197-213.
6. Meaney MJ, Dodge AM, Beatty WW. (1981) Sex-dependent effects of amygdala lesions on the social play of prepubertal rats. *Physiology and Behavior* 26:479-481.
5. Beatty WW, Traylor KL, Dodge AM, Meaney MJ. (1981) Temporal boundary of the sensitive period for the hormonal organization of social play in juvenile rats. *Physiology and Behavior* 26:251-253.
4. Meaney MJ, Stewart J. (1981) A descriptive study of social development in the rat (*Rattus norvegicus*). *Animal Behaviour* 29:34-45.
3. Meaney MJ, Stewart J. (1979) The influence of social environment on the affiliative behavior of male and female rats (*Rattus norvegicus*). *Animal Learning and Behavior* 7:397-405.
2. Stewart J, Valentyne S, Meaney MJ. (1979) Differential effects of testosterone metabolites in the neonatal period on open-field and lordosis behavior in the rat. *Hormones and Behavior* 13:282-292.

1. Benaroya S, Wesley S, Ogilvie H, Klein LS, Meaney MJ. (1977) Sign-language and multi-sensory input training of children with communication and related developmental disorders. *Journal of Autism and Childhood Schizophrenia* 7:23-32.