CURRICULUM VITAE

**Juan F. López, M.D.**

Associate Professor,

Department of Psychiatry and Comprehensive Depression Center

Associate Research Scientist,

Molecular and Behavioral Neuroscience Institute (M.B.N.I.)

109 Zina Pitcher Place Room 5620

Ann Arbor, Michigan, 48109-0720

#### Mobile #: (734) 657-0062 Office #: (734) 615-3144 E mail: jflopez@umich.edu

Education and Training

August 1975-May 1978 B.S., University of Puerto Rico

Major:  Biology, Magna Cum Laude

July 1978-June 1982 M.D., University of Puerto Rico School of Medicine

July 1982-June 1984 Psychiatry Residency: PGY 1 and 2

University of Michigan Hospital, Ann Arbor, Michigan

July 1984-June 1986 Psychiatry Residency: PGY 3 and 4

University of Iowa Hospitals and Clinics, Iowa City, Iowa

July 1985-June 1986 Genetics Fellowship, Department of Psychiatry,

University of Iowa Hospitals and Clinics, Iowa City, Iowa

August 1986-June 1990 Research Fellow, Mental Health Research Institute

University of Michigan, Ann Arbor, Michigan

Certification and Licensure

1981-83 National Board Part I, II and III

1984 Iowa Medical License #24228 (expired 7/1986)

1987 Michigan Medical License #050784

1991 Board Certified American Academy of Psychiatry and

Neurology

Academic, Administrative, and Clinical Appointments

July 1990-June 1993 Lecturer, University of Michigan Department of Psychiatry

July 1990-June 1997 Research Investigator, Mental Health Research Institute

July 1994-June 2001 Assistant Professor, Department of Psychiatry

July 1994-Present Staff Physician UMHS

July 1998-April 2013 Assistant Research Scientist, Molecular and Behavioral Neuroscience Institute

June 2001-Present Associate Professor with Tenure, Department of Psychiatry

June 2004-July 2006 Co-director Treatment Resistant Depression Consultation Clinic

May 2013-Present Associate Research Scientist, Molecular and Behavioral Neuroscience Institute

July 2018-Present Co-director Perinatal Psychiatry Clinic

Grant Support

#### **a) Present and Active**

ONR Stress Physiology and Basic Biomedical Programs 2/01/18 to 01/31/21

Identification of Biomarkers for Stress Vulnerability $180,000 Annual Direct Costs

and Resilience

(PI Huda Akil) Role: Co-investigator, Effort: 5%

**b) Previous Grants:**

R21 HL11436801 (PI Doug Engel) 04/01/2012 to 03/31/2014

National Institute of Health $233,250 Annual Direct Costs

Tranylcypromine inactivation of LSD1

as a possible treatment for sickle cell disease

Role: Co-investigator, Effort 5%

R01 MH083670 (PI Juan Lopez) 05/15/09-04/30/14

National Institutes of Health $250,000 Annual Direct Costs

MR:GR Balance in Depression

Role: Principal Investigator, Effort 20%

R21 MH083311 (PI Juan Lopez) 1.8 calendar months 06/08/09-05/31/11

National Institutes of Health $150,000 Annual Direct Costs

Maternal Behavior and Effects of Paternal Affiliation in 5-HT1a Overexpressing Mice

Role: Principal Investigator

H133N060032 (P.I. Tate) 10/01/06-09/30/11

Department of Education $340,124 Annual Direct Costs

The U-M Model Spinal Cord Injury Care System 0.12 calendar months

Role: Co-Investigator

R01 MH62099 (P.I. Juan Lopez) 25% effort 4/01/2001 - 3/31/2006   
NIH/NIMH $220,000 ADC  
Stress Regulation of 5HT Receptors and the HPA Axis

R01 HD37431 (P.I. Delia Vazquez) 7/01/2000 - 06/30/2005

NIH/NICD

Stress Response and Growth: Impact of Early Life Stress" $220,000 ADC

Role: Co-Investigator 5%

P01 MH42251 (P.I. Huda Akil) 9/01/2001 - 11/30/2006

NIH/NIMH $921,891 ADC

Molecular Elements, Neurocircuits and Mental Illness

Role: Co- Investigator, 10% effort

R21 MH65062 (P.I. Delia Vazquez) 9/27/2001 - 8/31/2006

NIH/NIMH $100,134 ADC

Depression risk, Infant-Mother Attachment and Cortisol

Role: Co-Investigator, 5% effort

Honors and Awards

1987 Individual National Research Service Award

1989 Robert Wood Johnson Minority Medical Faculty Development Program

1993 American Suicide Foundation Psychiatric Research Development Award

1994 NARSAD Young Investigator Award

1995 NIMH Scientist Development Award

1997 Society of Biological Psychiatry A.E. Bennett Research Award

2004 Kenneth J. Povish Service Award for service to migrant workers.

2009 St. Camillus Award Lansing Guild Catholic Medical Association.

Membership in Professional Societies

Society for Neuroscience (1986-present)

International Society of Psychoneuroendocrinology (1988-presetn)

American Neuroendocrine Society (1990-2000)

American Association for the Advancement of Science (1986-2008)

Boards and Peer-Review Service

Journal Reviewer: Archives of General Psychiatry, Brain Research, Neuropsychopharmacology, Biological Psychiatry, Psychoneuroendocrinology, PNAS, American Journal of Psychiatry, Molecular Psychiatry.

American Psychiatric Association Research Council (2000)

NIMH Board of Scientific Counselors (2000-2006)

Research Protocol Reviewer for the Intramural Program at NIMH (2000-2006)

National Scientific Advisory Board Depression and Bipolar Support Alliance (2003-2011)

The Translational Research Primate Network (Judy Cameron, P.I.) (2005-2010)

NIH Neuroendocrinology, Neuroimmunology and Behavior Study Section (2006-2011)

Standing member of the K99/R00 SERP (2006-2011)

Ad Hoc Reviewer for MESH, and BRLE Study Sections (2013-present)

Teaching and Mentoring Activities

Co-director of the Neuroscience Core for Psychiatric Residents. (1996-2006).

Lecturer for the Psychiatry Residency Core Curriculum (PGY 2) (1989-present).

Lecturer on Depression for the Medical Student (MS 3) clerkship series (1992-present).

Long term case clinical supervisor for psychiatric residents, (1993-present).

Psychiatric resident supervision in the Mood Disorders Clinic (1993-2000).

Lecturer and lab supervisor for the King-Chávez-Parks Summer Program of The University of Michigan Office of Minority Affairs (1990-1993).

Basic science research one to one supervision of undergraduate students during Fall, Spring and Summer sessions (work study and course study-1990-present).

Mentor of undergraduate students for the University of Michigan Undergraduate Opportunity Research Program (1993-2012).

Mentor of undergraduate students for the University of Michigan Summer Opportunity Research Program (1993-2012).

Mentor and co-mentor for Neuroscience Program graduate students (1997-2014).

Facilitator for the simulated psychiatric interview for M3 students (1998-2014).

Thesis advisor and thesis committee member for several graduate students (1990-present).

Staffing and supervision of psychiatric residents, psychology and social work trainees in the Perinatal Clinic (2001-present).

Co-mentor of K awards for Dr. Leslie Swanson (Assistant Professor) and Dr. Brendon Watson (Assistant Professor) (2016-present)

Clinical Activities

Attending at the U of M Depression Clinic (1988-2000)

Attending at the U of M Inpatient Psychiatry Unit (4-5 weekends/year, 1988-present)

Attending at U of M Psychiatric Emergency Services (7 times/year, 1988-present)

Attending at the U of M Perinatal Clinic (2000-present)

Committees and Advisory Boards

Departmental and Medical School

1. Committee to Increase Recruitment of Women and Minorities in the Department of Psychiatry, University of Michigan Medical School
   1. Internal Review Committee Department of Psychiatry

2000-2018 Appointments and Promotions Committee

2000-2016 Rachel Upjohn Fellowship Committee

2007 Dean’s Internal Review Committee Dept. of Psychiatry

2008-2019 Appointments and Promotions Committee

2012-2015 University Committee on Use and Care of Animals

2018 Interim Chair Appointments and Promotions Committee

2019- Institutional Review Board for the University of Michigan Medical School (IRBMED)

Regional

1989-1992 Multicultural Mental Health Education and Training Committee of the Michigan Dept. of Mental Health

National

1996 Invited Workshop Participant: Raising the Profile of Substance Abuse and Alcoholism Research. IOM, Washington, D.C.

2000-2001 American Psychiatric Association Research Council

2005 NIMH Search Committee for the Director of the Intramural Mood and Anxiety Disorders Program

2000-2006 Board of Scientific Counselors, N.I.M.H.

2008-2009 External Advisory Board for the University of Alabama at Birmingham Comprehensive Neuroscience Center

2003-2011 Depression and Bipolar Support Alliance Advisory Board

Consulting Positions

2005 Eli Lilly Multicultural Advisory Board

2008 External Advisory Board University of Alabama at Birmingham Comprehensive Neuroscience Center

Community and Volunteer Service

1992-present Local coordinator and volunteer for the Manchester Migrant Ministry, Diocese of Lansing

2010-present Office of Multicultural Evangelization Advisory Board, Diocese of Lansing

2012- Operation Rice Bowl Advisory Committee Member

Selected Visiting Professorships, Seminars, and Extramural Invited Presentations

1. The hypothalamic-pituitary-adrenal axis: Birth, Life and Death. Psychiatry Department Grand Rounds, Ann Arbor, Michigan. April 16, 1990.

2. Regulation of the Serotonin 1A Receptor. Post-Baccalaureate Pre-Medical Fellowship Program, University of Michigan, February 19, 1993.

3. Steroid and Antidepressant Regulation of the 5HT1A System in the Hippocampus: Implications for the Pathophysiology and Treatment of Anxiety and Depressive Disorders. Department of Psychiatry Preclinical-Clinical Neuroscience Seminar Series. January 7, 1994.

4. Brain Banks and Brain Research in Mental Illness. Invited Speaker for the Detroit Chapter of the National Alliance for the Mentally Ill. April 25, 1994.

5. Strategies for the Study of the Disinhibition of Hypothalamo-Pituitary-Adrenal Axis in Affective Disorders. Symposium at the CINP International Congress. Washington D.C., June 29, 1994.

6. Advances in Office Psychiatry III: Mood and Anxiety Disorders. University of Michigan CME Course. Mackinac Island, Michigan. July 8-10, 1994.

7. Mood Disorders: Diagnosis and Psychobiology. Advances in Psychiatry for Practicing and General Psychiatrists (CME Course). Ann Arbor, Michigan. November 14, 1994.

8. Recent Research Advances in Depression. Invited Speaker for the Oakland County Depressive and Manic Depressive Association. Livonia, Michigan. November 28, 1994.

9. The Relationship Between Stress and Depression. North Oakland Medical Center, Dept. of Psychiatry Grand Rounds. Pontiac, Michigan. March 24, 1995.

10. Brain Circuits and Antidepressant Action. Michigan Alliance for the Mentally Ill Meeting. Novi, Michigan. May 6, 1995.

11. Stress and the Neurobiology of Depression. School of Nursing, University of Michigan. Ann Arbor, Michigan. February 28, 1996.

12. Advances in Office Psychiatry V: Mood and Anxiety Disorders. University of Michigan CME Course. Mackinac Island, Michigan. July 18-20, 1996.

13. Advances in Dysthymic and Atypical Depressions. Invited Lecture Sponsored by Eli Lilly. Sands Hotel, San Juan, Puerto Rico. April 19, 1996.

14. CRF in Mood and Anxiety Disorders. Symposium Chairperson and Discussant. Society of Biological Psychiatry Annual Meeting. May 17, 1997.

15. Stress Hormones and the Brain. Invited speaker for the Dearborn Alliance for the Mentally Ill. October 5th, 1997.

16. The Neurobiology of Stress, Implications for the Treatment of Depression. Mental Health Grand Rounds, Dallas V.A. Medical Center, Dallas Tx. March 19, 1998.

17. The Relationship Between Stress, Mood, and Antidepressant Treatment. Psychiatry Grand Rounds, Henry Ford Health System, October 15, 1998.

1. Depression, Serotonin, and the Neurobiology of Stress. Psychiatry Grand Rounds, Michigan State University, Kalamazoo Center for Medical Studies. December 8, 1998.
2. The Neurobiology of Suicide. Symposium at the Winter Brain Research Conference, Breckenridge, Colorado. January 25, 2000.
3. Genes Array Analysis as a Tool to Study Mechanisms of Antidepressant Action. Symposium at the American College of Neuropsychopharmacology Annual Meeting, San Juan. December 12, 2000.
4. Neurobiological Mechanisms of Treatment Resistance: The Role of Stress. Symposium on Contemporary Approaches to Resistant Depression, at the American Psychiatric Association Annual Meeting, New Orleans. May 5, 2001.
5. Sexually Dimorphic Effect of Stress on Learning and Memory. Workshop at the Society of Biological Psychiatry Annual Convention, Philadelphia. May 17, 2002.
6. Stress and the Developing Organism: From Animal Models to Psychopathology. Symposium at the Society of Biological Psychiatry Annual Convention, Philadelphia. May 17, 2002.
7. Stress, Serotonin, and Development. Invited Lecture at the Glucocorticoid Network Meeting, San Juan, P.R. February 2002.
8. Mineralocorticoid Receptors in Brain: Role in Stress and Related Disorders. Symposium at the International Society of Psychoneuroendocrinology Annual Meeting, New York. September 8, 2003.
9. Stress and the Neurobiology of Mood. Grand Rounds, St. Joseph Mercy Hospital, Ann Arbor, Michigan. March 2004.
10. Stress, Serotonin, and Depression: Implications for Treatment. Invited Lecture at the Center for Forensic Psychiatry. Ann Arbor, Michigan. November 19, 2004.
11. Treatment Resistant Depression is Treatable. Invited Public Lecture at the Washtenaw County Alliance for the Mentally Ill. Ann Arbor, Michigan. March 14, 2005.
12. Of Mice and Women: The Effect of Stress and Risk for Depression in the Mother-Infant Dyad . Invited Seminar at The Center for Neurobehavioral Development. University of Minnesota. July 28, 2006.
13. Depression and Medical Illness: The Role of Stress. Invited Grand Rounds Presentation at the St. Joseph Regional Medical Center, South Bend, Indiana. October, 2007.
14. The Neurobiology of Depression. University of Michigan Department of Neurology Seminar. April 14th, 2009.
15. The Neurobiology of Stress. Invited Symposium at the Michigan State Medical Society Annual Meeting. Troy, MI. October 22nd, 2010.
16. The Neurobiology of Stress and Medical Illness. Invited Grand Rounds Presentation at St. Mary’s Mercy Hospital, Livonia, MI. April 22, 2011.
17. Glucocorticoid and Mineralocorticoid Receptor Balance in Health and Disease. University of Michigan Pediatric Endocrinology Seminar. February 28th, 2012.
18. The Mood/Food Connection: How Nutrition Impacts Mental Health. Bright Nights Community Forum, Plymouth, MI, March 6th, 2013
19. Worsening Anxiety and Physical Symptoms after Switching to an SSRI. Evidence Based Medicine Seminar, Rachel Upjohn Building, April 25th, 2013
20. Electroconvulsive Therapy for Adolescents and Adults: An Update. Depression Center Colloquium Series, Rachel Upjohn Building, April 25th, 2014
21. Pharmacological Treatment of Perimenopausal Mood Disorders. Evidence Based Medicine Seminar University of Michigan Department of Psychiatry. January 28th, 2016
22. Medication Options for Pregnant and Post-partum Depressed Females. VA Hospital Grand Rounds, March 15th, 2016.
23. Treatment Resistant Depression. Advanced Psychopharmacology for Psychiatrists. (On-line lecture). November 2, 2016.
24. El Hombre en la Familia, (The Role of the Hispanic Man in his Family). Keynote Address at the 8th Annual Hispanic Men’s Conference. Detroit, MI. March 19, 2017
25. The Neurobiology of Depression. Keynote Address at the University of Michigan GIDAS Research Conference on Genes and Depression. May 27, 2017.
26. Psychiatric Disorders in the Peripartum Period. Invited Lecture at the University of Michigan Medical School. July 13, 2018.
27. Mood Supporting Supplements and Complementary Treatments in Pregnancy. 27th Annual Primary Health Care of Woman Conference. Ann Arbor, MI. December 6, 2019

Bibliography

Peer Reviewed Publications

1. Jaeckle RS and López JF: Corticotropin releasing hormone: Clinical endocrinology and implications for Cushing's disease and endogenous depression. Psychiatric Medicine, Vol. 3(2):111-134, 1986.

2. Kathol RG, Meller WM, Jaeckle RS and López JF: Stable adrenocorticotropin-stimulated 11-b-hydroxylase activity but loss of age-related changes in patients with hypercortisolemia. Biol Psychiatry, 22:1243-1252, 1987.

3. Meller WM, Kathol RG, Jaeckle RS and López JF: Stimulation of the pituitary-adrenal axis with arginine vasopressin in patients with depression. J Psych Research, 21(3):269-277, 1987.

4. Jaeckle RS, Kathol RG, López JF, Meller WM, Krummel SF: Enhanced adrenal sensitivity to exogenous ACTH1-24 stimulation in major depression: Relationship to dexamethasone suppression test results. Arch Gen Psychiatry, 44:233-240, 1987.

5. López JF, Kathol RG, Jaeckle RS and Meller WM: The HPA response to insulin hypoglycemia in depression. Biol Psychiatry, 22:153-166, 1987.

6. Watson SJ, López JF, Young EA, Vale W, Rivier J and Akil H: Effects of low dose oCRH in humans: Endocrine relationships and b-endorphin/b-lipotropin response. J Clin Endocrinol & Metab, 66(1):10-15, 1988.

7. Meller WM, Kathol RG, Jaeckle RS, Grambsch P and López JF: HPA axis abnormalities in depressed patients with normal response to the DST. Am J Psych, 145(3):318-324, 1988.

8. Kathol RG, Jaeckle RS, López JF and Meller WM: Pathophysiology of HPA axis abnormalities in patients with major depression: An update. Am J Psych, 146(3):311-317, 1989.

9. Jaeckle RS, Kathol RG, Krummel SJ, Meller WM and López JF: Adrenal gland in major depression: Enhanced capacity or enhanced sensitivity? Arch Gen Psych (Ltr), 45:965-966, 1989.

10. Kathol RG, Jaeckle RS, López JF and Meller WM: Consistent reduction of ACTH responses to stimulation with CRH, vasopressin and hypoglycaemia in patients with major depression. British J Psych 155:468-478 (1989).

11. Gehris TL, Kathol RG, Meller WH, López JF and Jaeckle RS. Multiple steroid hormone levels in depressed patients and normal controls before and after exogenous ACTH. Psychoneuroendocrinology 16:481-497, 1990.

12. López JF, Palkovits M, Arato M, Mansour A, Akil H, and Watson SJ: Localization and Quantification of Proopiomelanocortin mRNA, Glucocorticoid Receptor mRNA and Corticotropin Releasing Hormone Receptors in Human Pituitaries. Neuroendocrinology 56:491-501, 1992.

13. Vázquez DM, Morano MI, López JF, Watson SJ and Akil H: Short term adrenalectomy increases glucocorticoid and mineralocorticoid receptor mRNA in selective areas of the developing hippocampus. Mol Cel Neurosci 4:455-471, 1993.

14. Chalmers D., López JF, Akil H and Watson SJ Molecular aspects of the stress axis and serotonergic function in Depression: Clinical Neuroscience 1:122-128, 1993.

15. López JF, Chalmers DT, Vázquez DM, Akil H and Watson SJ: Corticosteroid regulation of serotonin 1A receptor mRNA and binding in the hippocampus. Neuropsychopharmacology 9:84S, 1993.

16. López JF, Chalmers D, Vázquez DM, Akil H and Watson SJ. Serotonin transporter mRNA in the rat brain is regulated by classical antidepressants: Biological Psychiatry 35:287-290, 1994.

17. Chalmers DT, López JF, Vázquez DM, Akil H and Watson SJ: Regulation of hippocampal 5HT1A receptor gene expression by dexamethasone. Neuropsychopharmacology 10:215-222, 1994.

18. López JF, Vázquez DM, Akil H and Watson SJ: Effect of imipramine and swim stress on the hypothalamic-pituitary-adrenal axis. Endocrine Journal 2:723-728, 1994.

19. Liberzon I, Chalmers DT, Mansour A, López JF, Watson SJ and Young EA. Glucocorticoid regulation of hippocampal oxitocin receptors. Brain Research 650:317-322, 1995.

20. McLaughlin DP, Little KY, López JF and Watson SJ: Expression of serotonin transporter mRNA in human brainstem raphe nuclei. Neuropsychopharmacology 15:523-529, 1996.

21. Young EA, López JF, Weingberg-Murphy V, Watson SJ and Akil H: Normal pituitary response to metyrapone in the morning in depressed patients: Implications for circadian regulation of CRH secretion. Biological Psychiatry 41:1149-1155, 1997.

22. Little KY, McLaughlin DP, Rank J, Gilmore J, López JF and Watson SJ: Serotonin transporter binding sites and mRNA levels in depressed persons committing suicide. Biological Psychiatry 41:1156-1164, 1997.

23. López JF, Vázquez DM, Chalmers DT, Akil H and Watson SJ: Regulation of 5-HT receptors and the Hypothalamic-Pituitary-Adrenal axis: Implications for the neurobiology of suicide. Ann NY Acad Sci 836:106-134, 1997.

24. López JF, Chalmers DT, Little KY and Watson SJ : Regulation of 5-HT1A receptor, Glucocorticoid and Mineralocorticoid receptor in rat and human hippocampus: Implications for the Neurobiology of Depression. Biological Psychiatry 43:547-573, 1998.

25. Vázquez DM, López JF, Morano MI, Kwak SP, Watson SJ and Akil, H: Alpha, Beta and Gamma mineralocorticoid receptor mRNA splice variants: Differential expression and rapid regulation in the developing hippocampus. Endocrinology 139:3165-3177, 1998.

26. Young EA, López JF, Weingberg-Murphy V, Watson SJ and Akil H: The role of mineralocorticoid receptors in HPA axis regulation in humans. J Clin Endocrinol & Metab 83:3339-3345, 1998.

27. Liberzon I, López JF, Flagel SB, Vázquez DM and Young EA: Differential regulation of hipppocampal glucocorticoid receptors and negative feedback: Relevance to post-traumatic stress disorder. Journal of Neuroendocrinology 11:11-17, 1999.

28. López JF, Liberzon I, Vázquez DM,Young EA and Watson SJ: Serotonin 1a receptor mRNA regulation in the hippocampus after acute stress. Biological Psychiatry 45:943-947, 1999.

30. López JF, Akil H and Watson SJ: Neural circuits mediating stress. Biological Psychiatry 46:1461-1471, 1999.

1. Vázquez DM, López JF, Watson SJ and Levine S: Maternal deprivation regulates serotonin 1A and 2A receptors in the infant rat. Brain Research 855:76-82, 2000.
2. Young EA, López JF, Weinberg V, Watson SJ and Akil H: Hormonal evidence for altered responsiveness to social stress in major depression. Neuropsychopharmacology 23:411-418, 2000.
3. Braham T, López JF, Zimmer CA, Nash A and Vázquez DM: The effect of prenatal dexamethasone treatment on the HPA axis and hippocampal function in the male and female rat. Am J Physiology 279:1899-1909, 2000.
4. Patel PD, López JF, Lyons DM, Burke S, Wallace M and Schatzberg AF: Glucocortioid and mineralocorticoid receptor mRNA expression in squirrel monkey brain. J Psych Research 34:383-392, 2000.
5. Vázquez DM, Eskandari R, Zimmer CA, Levine S and López JF: Brain 5-HT receptor system in the stressed infant rat: implications for vulnerability to substance abuse. Psychoneuroendocrinology 27:245-272, 2002.
6. Stearns V, Ullmer L, López JF, Isaacs C, Hayes DF: Hot Flashes: New Prospects for an Old Problem. Lancet. 360:1851-61, 2002.
7. Young EA. López JF. Murphy-Weinberg V. Watson SJ. Akil H. Mineralocorticoid receptor function in major depression. Archives of General Psychiatry. 60:24-8, 2003.
8. Vázquez DM, Eskandari R, Phelka A and López JF: The impact of chronic intermittent saline injections and maternal deprivation on brain corticotropin releasing hormone (CRH) circuits: Selective regulation of CRH receptor-2 by desipramine treatment Neuropsychopharmacology. 28:898-909, 2003.
9. Evans SJ, Choudry PV, Vawter MP, Li J, Meador-Woodruff JH, L López JF, Burke SM, Thompson RG, Myers RM, Jones EG, Bunney WM, Watson SJ. Akil H. DNA microarray analysis of functionally discrete human brain regions reveals divergent transcriptional profiles. Neurobiology of Disease 14:240-250, 2003
10. López -Figueroa AL, Norton CS, López -Figueroa MO, Burke S, Meador-Woodruff JH, L López JF, Watson SJ. Serotonin 5-HT1a, 5-HT1b, and 5-HT2a receptor mRNA expression in subjects with Major Depression, Bipolar Disorder and Schizophrenia. Biological Psychiatry 55:225-233, 2004.
11. Li JZ. Vawter MP. Walsh DM. Tomita H. Evans SJ. Choudary PV. López JF. Avelar A. Shokoohi V. Chung T. Mesarwi O. Jones EG. Watson SJ. Akil H. Bunney WE Jr. Myers RM. Systematic changes in gene expression in postmortem human brains associated with tissue pH and terminal medical conditions. Human Molecular Genetics.13:609-16, 2004.
12. Vawter MP. Evans S. Choudary P. Tomita H. Meador-Woodruff J. Molnar M. Li J. López JF. Myers R. Cox D. Watson SJ. Akil H. Jones EG. Bunney WE. Gender-specific gene expression in post-mortem human brain: localization to sex chromosomes. Neuropsychopharmacology. 29:373-84, 2004.
13. Young EA, Altemus MA, López JF, Kocsis JH, Schatzberg AF, deBattista C. Zubieta J-K: HPA Activation in Major Depression and Response to Fluoxetine: A Pilot Study. Psychoneuroendocrinology. 29:1198-1204, 2004.
14. Evans SJ, Choudry PV, Vawter MP, Li J, Meador-Woodruff JH, L López JF, Burke SM, Thompson RG, Myers RM, Jones EG, Bunney WM, Watson SJ. Akil H. Dysregulation of the fibroblast growth factor system in major depression. Proceedings of the National Academy of Sciences. 101: 15506-15511, 2004.
15. López JF: Stress and Antidepressant Modulation of the Limbic HPA Axis. In Neuroimmune Mechanisms and Chronic Fatigue Syndrome. NIH Publication No. 04-5497, 2005
16. Vazquez DM, Bailey C, Dent GW, Okimoto DK, Steffek A, López JF. Levine S. Brain corticotropin-releasing hormone (CRH) circuits in the developing rat: effect of maternal deprivation. Brain Research. 1121:83-94, 2006.
17. Armitage R, Flynn H, Hoffman R, Vazquez DM, López JF, Marcus S. Early Developmental Changes in Sleep in Infants: The Impact of Maternal Depression. *SLEEP*. 32: 693-696, 2009.
18. Marcus S, López JF, McDonough S, MacKenzie MJ, Flynn H, Neal CR Jr., Gahagan S, Volling B, Kaciroti N, and Vazquez DM Depressive Symptoms During Pregnancy: Impact on Neuroendocrine and Neonatal Outcome. Infant Behav Dev. 34:26-34, 2011.
19. Williams RA and López JF. Influence of paroxetine and cognitive/behavioral strategies in neurocardiogenic syncope and depression. Open Journal of Psychiatry 1:79-87, 2011.
20. Vazquez DM, Neal CR, Patel PD, Kaciaroti N, López JF. Regulation of corticoid and serotonin receptor brain system following early life exposure of glucocorticoids: Long term implications for the neurobiology of mood. Psychoneuroendocrinology 37:421-437, 2012.
21. Sexton MB, Flynn H, Lancaster C, Marcus S, McDonough S, Volling B, López JF, Kaciroti N, Vazquez DM. Predictors of Recovery from Prenatal Depressive Symptoms from Pregnancy through Postpartum*.* J Women’s Health 21: 43-49, 2012.
22. Lindell SG, Yuan Q, Zhou Z, Goldman D, Higley JD, Thompson RC, López JF, Suomi SJ, Barr CS. The serotonin transporter gene is a substrate for age and stress dependent epigenetic regulation in rhesus. Development and Psychopathology 24:1391-400, 2012.
23. Berman D, Campbell E, López J, Vasquez D, Marcus S, Treadwell S. Maternal depression and impaired fetal growth. Am J Obstet Gynecol 206:S359, 2012
24. Yuan Q, Zhou Z, Lindell SG, Higley JD, Ferguson B, Thompson RC, López JF, Suomi SJ, Baghal B, Baker M, Mash DC, Barr CS, Goldman D. The rhesus macaque is three times as diverse but more closely equivalent in "damaging" coding variation as compared to the human. BMC Genetics 13:52, 2012.
25. Novick D, Allbaugh L, Zhao Z, Henshaw E, Vazquez DM., López J, Armitage R, Flynn H, Women’s Mental Health and Infants Program.  Representativeness of obstetric patients for depression-related research findings from the Women's Mental Health and Infants Program (WMHIP) integrated dataset.  Arch Women Ment Health. 17:97-105,2014.
26. [Thomason E](http://www.ncbi.nlm.nih.gov/pubmed/?term=Thomason%20E%5BAuthor%5D&cauthor=true&cauthor_uid=24956500), [Volling BL](http://www.ncbi.nlm.nih.gov/pubmed/?term=Volling%20BL%5BAuthor%5D&cauthor=true&cauthor_uid=24956500), [Flynn HA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Flynn%20HA%5BAuthor%5D&cauthor=true&cauthor_uid=24956500), [McDonough SC](http://www.ncbi.nlm.nih.gov/pubmed/?term=McDonough%20SC%5BAuthor%5D&cauthor=true&cauthor_uid=24956500), [Marcus SM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Marcus%20SM%5BAuthor%5D&cauthor=true&cauthor_uid=24956500), [Lopez JF](http://www.ncbi.nlm.nih.gov/pubmed/?term=Lopez%20JF%5BAuthor%5D&cauthor=true&cauthor_uid=24956500), [Vazquez DM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Vazquez%20DM%5BAuthor%5D&cauthor=true&cauthor_uid=24956500). Parenting stress and depressive symptoms in postpartum mothers: bidirectional or unidirectional effects? Infant Behav Dev. 37:406-415, 2014.
27. Baker MB, Lindell SG, Driscoll CA, Zhou Z, Yuan Q, Schwandt ML, Miller-Crews I, Simpson EA, Paukner A, Razayar M, Lopez JF, Thompson RC, Goldman D, Higley JD, Suomi SJ, Barr CS. *Early rearing history influences oxytocin receptor epigenetic regulation in rhesus macaques*. Proc Natl Acad Sci U S A. 114:11769-11774. 2017.
28. Menke RA, Swanson L, Erickson NL, Reglan G, Thompson S, Bullard KH, Rosenblum K, Lopez JF, Muzik M. *Childhood adversity and sleep are associated with symptom severity in perinatal women presenting for psychiatric care*. Arch Women Mental Health. 22:457-465, 2019.
29. Vazquez DM, McDonough S, Marcus S, Flynn H, Neal CR Jr, Volling B, Kaciroti N, Lopez JF. *Hypothalamic-Pituitary-Adrenal function in pregnant women at risk for depression* (submitted).

Electronic Publications

1. López JF: Stress, serotonin receptors and the neurobiology of depression. Cyberounds www.cyberounds.com, 1999.
2. López JF: The neurobiology of depression. The Doctor Will See You Now www.thedoctorwillseeyounow.com/articles/ behavior, 2000.

### Book Chapter Publications

1. Watson SJ, Kelsey JE, López JF and Akil H: Neuropeptide biology: Basic and clinical lessons from the opioids. In APA Annual Review, Vol. 4, Chapter 6, 1985.
2. López JF, Young EA, Herman JP, Akil H and Watson SJ: The Regulatory Biology of the HPA Axis: An Integrative Approach. In CNS Peptide Mechanisms in Stress and Depression, S. Risch ed. American Psychiatric Press, Inc. 1991, pp. 1-52.
3. Greden JF and López JF: Treatment of Major Depression. In Current Psychiatric Therapy II, D. Dunner ed. American Psychiatric Press, Inc. 1997.
4. Vázquez DM and López JF: Developmental Neuroendocrinology. In The Handbook of Child and Adolescent Psychiatry, Basic Psychiatric Science and Treatment. Joseph D. Noshpitz, Editor-in-Chief; Norman E. Alessi, Joseph T. Coyle, Saul Isaac Harrison and Spencer ETH, editors; John Wiley & Sons, Inc. Vol 6: 3-31. 1998.
5. Mansour A, Meador-Woodruff JH, López JF and Watson SJ: Biochemical Anatomy: Insights Into the Cell Biology and Pharmacology of the Dopamine and Serotonin Systems in the Brain. In Textbook of Psychopharmacology. American Psychiatric Press, Inc. 1998.
6. Charney DS, Barlow DH, Botteron K, Cohen JD, Goldman D, Gur RE, Lin K-M, López JF, Meador-Woodrruff JH, Moldin SO, Nestler EJ, Watson SJ and Zalcman SJ. Neuroscience Research Agenda to Guide Development of a Pathophysiologically Based Classification System. In A Research Agenda for DSM-V. David J Kupfer, Michael B. First, and Darrel A. Reiger, editors. American Psychiatric Press, Inc. 2002
7. López JF, Neal CR, Meador-Woodruff JH: Methods of Postmortem Investigation of Human Brain. In Neurobiology of Mental Illness (2nd edition). DS Charney and E Nestler editors. Oxford University Press, 2004.

Research Interests

The neurobiology of mood disorders. Perinatal psychiatry. The long term consequences of early life stress. The effects of stress on the serotonin system and the hypothalamic-pituitary-adrenal axis.

Clinical Interests

Mood Disorders. Treatment-refractory Depression. Reproductive and Perinatal Psychiatry. Complementary and Alternative Treatments for Psychiatric Illnesses.