

MA-LI WONG, M.D., Ph.D.

CURRICULUM VITÆ

CITIZENSHIP: USA

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Web of Science ResearchID: ABD-5525-2020

EDUCATION AND TRAINING:

- 1977-82 M.D., Faculdade de Medicina da Universidade de São Paulo (University of São Paulo School of Medicine, USP), São Paulo, Brazil
- 1979-81 Teaching Assistant in Physiology and Pharmacology, Institute of Biomedical Sciences, USP, São Paulo, Brazil
- 1983-84 Resident in Internal Medicine, USP and Medical Center, São Paulo, Brazil
- 1984-85 Resident in Neurology, USP and Medical Center, São Paulo, Brazil
- 1985-86 Research Fellow in Electrophysiology, Supervisor Diane Kurtzberg Vaughan, PhD, Albert Einstein College of Medicine of Yeshiva University, Bronx, NY, USA
- 1986-90 Resident in Psychiatry (PGY1-4), Albert Einstein College of Medicine of Yeshiva University, Montefiore Medical Center, Bronx, NY, USA
- 1989-90 Fellow in Neuroendocrinology (PGY4), Supervisor Philip W Gold, MD, Clinical Neuroendocrinology Branch, National Institute of Mental Health (NIMH), Bethesda, MD, USA
- 1990-91 Chief Resident (PGY5), National Schizophrenia Biological Research Center, Supervisor John Krystal, Yale University and Department of Veterans Affairs, West Haven, CT, USA
- 1991-92 Research Fellow (Laboratory of Molecular Psychiatry), Supervisor Ronald Duman, PhD, Yale University School of Medicine, New Haven, CT, USA
- 2016 Ph.D. by Published Works in Psychiatry, Supervisor Malcolm Battersby, MD, Faculty of Medicine, Nursing and Health Sciences, Flinders University, South Australia, Australia

POSITIONS HELD:

- 1992-93 Attending Psychiatrist and Instructor, Yale University School of Medicine, New Haven, CT, USA.
- 1993-99 Chief, Unit on Molecular Neuroendocrinology, Clinical Neuroendocrinology Branch, NIMH, Bethesda, MD, USA.
- 1993-99 Senior Attending Physician, NIH Clinical Center, Bethesda, MD,
- 1999-2006 Professor (tenured) and Senior Research Scientist, Department of Psychiatry, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA.
- 1999-2006 Director, UCLA GCRC/NPI Endocrine Core Laboratory (1999-2006), UCLA GCRC Core Laboratory (3M01RR00865, 2002-2006), CA, USA.
- 2004-2006 Co-Director, Interdepartmental Center on Pharmacogenomics and Clinical Pharmacology, Neuropsychiatric Institute, UCLA, CA, USA.
- 2004 -2005 Interim Associate Program Director, UCLA GCRC (3M01RR00865), CA, USA.
- 2006-2009 Professor (tenured) and Vice Chair for Translational Research, Director, Center on Pharmacogenomics, Department of Psychiatry, University of Miami Miller School of Medicine (UM), Miami, FL, USA.
- 2006-2009 Graduate Faculty, Neuroscience Graduate Program, UM, Miami, FL, USA.
- 2008-2009 Miller Professor, UM, Miami, FL, USA.
- 2009-2014 Professor (tenured) and Pharmacogenomics Group Leader (2009-14), Visiting Professor (2013-14), Department of Translational Medicine, John Curtin School of Medical Research, The Australian National University, Canberra, ACT, Australia.
- 2013-17 Senior Principal Research Fellow and Head, Pharmacogenomics Research Program, Deputy Theme Director (2015-17), and Interim Director (2017), Mind and Brain Theme, South Australian Health and Medical Research Institute, SA, Australia.
- 2013- Strategic Professor of Psychiatry (tenured) 2013-17, Visiting Professor (2018-) Flinders University, SA, Australia.
- 2013- Visiting Professor appointments University of Minho, Braga, Portugal (2013-17), University of Adelaide, Adelaide, SA, Australia (2013-19), University of Texas Medical School at Houston, Houston, TX, USA (2014-17), University of New Mexico School of Medicine, Albuquerque, NM, USA (2015-19), Peking University Health Science Center, Beijing, China (2018-)
- 2017- 2022 Professor (tenured), Psychiatry and Behavioral Sciences, Neurosciences and Physiology, State of New York University Upstate Medical University (SUNY UMU), Syracuse, NY, USA.

2022- Distinguished Professor, Psychiatry and Behavioral Sciences, Neurosciences and Physiology, State of New York University Upstate Medical University (SUNY UMU), Syracuse, NY, USA.

HONORS and AWARDS:

- 1980 Elected Medical Student Representative, Medical Education Board of USP, Brazil.
- 1989 Milton Rosenbaum Award for Psychiatric Research, Albert Einstein College of Medicine, New York, New York, USA.
- 1989 Fogarty International Research Fellowship, U.S. Public Health Service, National Institutes of Health (NIH), Bethesda, MD, USA.
- 1990 Honorable Mention, Lilly Psychiatric Research Fellowship, awarded by the American Psychiatric Association, Office of Research, Washington, DC, USA.
- 1990 SmithKline Beecham Award, Society of Biological Psychiatry, USA.
- 1991 Young Investigator Award, granted by the International Congress on Schizophrenia Research and the Schizophrenia Branch, NIMH, USA.
- 1991 Best submissions to Annual Meeting of the American College of Neuropsychopharmacology, San Juan, Puerto Rico.
- 1993 APA/Dista Research Award, awarded by the American Psychiatric Association, USA.
- 1993 Intramural Research Training Award, NIH, USA.
- 1996 Award Winner Poster, *Science*/American Federation for Clinical Research/American Society for Clinical Investigation/American Association of Physicians Biomedicine Meeting, Washington, DC, USA.
- 1996 NIH FARE Award, USA.
- 1997 NIH FARE Award, USA.
- 1998 Henry L. Moses Award, Montefiore Medical Center, Bronx, NY, USA.
- 2010 Nominated and selected for the 2010 ANU Leadership Program, ANU, ACT, Australia.
- 2022 Distinguished Professor, Psychiatry and Behavioral Sciences, Neurosciences and Physiology, State of New York University Upstate Medical University (SUNY UMU), Syracuse, NY, USA.

MEDICAL LICENSES and CERTIFICATIONS:

Permanent Pennsylvania State License # MD040715L (10/14/1987, passed FLEX)
Permanent Connecticut State License # 30765 (04/05/1990-02/28/1994, inactive)
Permanent Texas State Medical License #J8170 (28/06/1995-06/09/2011, inactive)
Permanent California State Medical License #C51883 (02/03/2005-)
Permanent Florida Medical License #ME98288 (30/03/2007-); DEA # FW6094495
New York State Medical License #290670 (08/02/2017-)
Permanent ECFMG Certificate # 352-459-2, date issued: Sep 27, 1984, passed FMGEMS
Permanent Medical Council of the State of São Paulo #45262, Brazil (15/03/1983 to 19/04/1994, inactive)
Fellowship, The Royal Australian and New Zealand College of Psychiatrists ID 8251, Australia (18/09/12-)
Australian Health Practitioner Regulation Agency, Medical Practitioner with Specialist Registration #MED0001822270 (08/05/13-)
Medical Council of Ireland registration # 409806 (18/05/2017-)

CLINICAL ACTIVITIES

- 1990-91 Chief Resident (PGY 5), National Schizophrenia Biological Research Center, Yale University and Department of Veterans Affairs, West Haven, CT, USA. Duties: provided clinical care and supervision to residents and multidisciplinary staff in an inpatient psychiatric unit for patients with severe schizophrenia.
- 1992-93 Attending Psychiatrist and Instructor, Yale University School of Medicine, New Haven, CT, USA. Duties: provided clinical care in schizophrenia and mood disorder clinics.
- 1993-99 Senior Attending Physician, NIH Clinical Center, Bethesda, MD, USA. Duties: provided clinical care to inpatients and outpatients psychiatric patients.
- 1999-2006 Professor of Psychiatry with clinical privileges at the UCLA Medical Center and Neuropsychiatric Institute and Hospital, USA. Duties: provided clinical supervision to clinical fellows and multidisciplinary staff in a mood disorder clinic of 300 patients.
- 2006-09 Professor of Psychiatry with clinical privileges at the UM Medical Center and Jackson Memorial Hospital, USA. Duties: provided supervision to residents and direct clinical supervision to three clinical research projects.
- 2013-17 Professor of Psychiatry with clinical privileges at the Flinders University Medical Centre.
- 2018- Professor of Psychiatry with clinical privileges at SUNY UMU

PROFESSIONAL AND COMMUNITY ENGAGEMENT ACTIVITIES

I participated in small focus groups and large meetings to disseminate genetics, pharmacogenetics and mental health knowledge to the general public. At the *UCLA*: 1) Developing Educational Approaches to Genomics for Mexican-Americans in East Los Angeles (2002-04). 2) Han-Chinese-American DNA Repository and Community Consultation (2001-02). 3) Developing Educational Approaches for Mexican-Americans (2002-06). At the *UM*: 4) Institute for Medical Discovery Community Consultation Process (2007-09). At the *JCSMR*: 5) Organizing committee of the Sarah Grace Sarcoma Foundation fund raising events (2010-2012). At the *SAHMRI*: 6) Organizing committee and Participant, Mind and Brain Workshop (2013), 7) Organizing committee, Mind and Brain mini symposium (2013-2017).

CONTRIBUTION TO SCIENCE

My research has resulted in over 300 publications, cited over 18,000 times; h-index 63 (Google Scholar). I have contributed primarily to three lines of investigation, as follows:

1) My lab has a strong track record studying the genomics of antidepressants and major depressive disorder, which started in 2000 as part of the National Institute of General Medical Sciences, NIH Pharmacogenomics Research Network (PGRN). In that project, we studied a Mexican-American population with major depression in Los Angeles. Our group conducted the first NIH-funded studies of antidepressant pharmacogenomics in Hispanics, with findings that have been independently replicated. We have examined candidate systems and pathways, including corticotropin-releasing hormone (*CRH*) and CRH receptor 1 (*CRHR1*), brain-derived neurotrophic factor (*BDNF*) and its receptor, *NTRK2*. We re-sequenced several genes, including *BDNF*, *NTRK2*, and *CRHR1*, and discovered a substantial number of new variants. Recently, we have identified several genes that may be associated with major depression and replicated the *PHF21B* gene. These new functional genetic markers have provided the basis for a provisional patent, which we are now studying at the functional neuroscience level. Currently, we are also investigating the *CWC22* gene and its role in alternative splicing in stress, aging and Alzheimer's disease.

2) We have contributed to understanding the role of neuroendocrine/neuroimmune aspects of MDD. We have studied cytokines and immune mediators in the central nervous system, with implications for the underlying biology of major depressive disorder, and published work in this area include the localization of gene expression for interleukin 1 receptor antagonist (*Il1rn*), interleukin 1 receptor, type I (*Il1r1*), and inducible nitric oxide synthase (*Nos2*) in mammalian brain. We also showed that IL1RN is an endogenous neuroprotective agent. I was the first to suggest that the central and peripheral cytokine compartments are integrated, but differentially regulated. In collaboration with colleagues at Columbia University, we showed that inflammation-mediated up-regulation of secretory sphingomyelin phosphodiesterase represents a link between inflammatory cytokines and atherogenesis. We have recently focused on the role of the inflammasome in the microbiome-gut-brain axis, shedding new light on the bi-directional pathway that links gut microbiota, the inflammasome, and depressive-like behaviors.

3) We have a line of endocrine research that has a special focus on the biology of human leptin. We discovered that despite being produced by a dispersed mass of fat cells, leptin is secreted in an organized manner with distinct pulsatility and circadian rhythm and that it appears to regulate the minute-to-minute rhythms of several endocrine axes, such as the hypothalamic-pituitary-adrenal

axis, the hypothalamic–pituitary–thyroid axis, and the hypothalamic–pituitary–gonadal axis. We were the first to suggest that leptin may have antidepressant effects. We also advanced the concept that leptin has pro-cognitive effects in humans. More recently, we have been studying the interface between major depression and obesity by understanding of the long-term endocrine and metabolic effects of antidepressants. We developed a new animal paradigm to model short-term exposure to antidepressants in a high-fat environment, consisting of recurrent or chronic restraint stress and behaviorally effective short-term antidepressant treatment, followed by long-term, high-fat diet intake. Currently, we have been collaborating in understanding the interface of feeding and anxiety.

RESEARCH GRANTS:

Pending:

- 1) R01MH127423-01A1 04/01/2022-03/31/2027 3.0 calendar
Wong/Licinio, MPI total cost: \$4,037,896.00
“Dissecting the roles of an epigenetic regulator of genes involved in synaptic plasticity and social cognition.”
Impact Score: 27. Percentile: 3.0: Pending Council Review.

Current

- 1) R21MH126405 04/01/2021-03/31/2023 3.0 calendar
Wong/Licinio, MPI total cost: \$445,500.00
“Alternative splicing mechanism in stress.”
- 2) CART Grant 07/01/2021-06/30/2023 1.2 calendar
Wong/Licinio, MPI total cost: \$100,000.00
“Alternative splicing mechanisms and Alzheimer’s Disease.”
- 3) R21MH128726 01/01/2022-12/31/2023 3.0 calendar
Wong/Licinio, MPI total cost: \$445,500.00
“Mechanisms of noncanonical caspase 1 signaling in the brain.”

Past

- 1) NHMRC (Australia) 01/01/18-03/31/21 total cost: \$515,549.50
PI/CIA: ML Wong; administrative PI M Battersby APP1145770
“Validating novel biomarkers relevant to major depression.”
- 2) NHMRC (Australia) 01/01/17-31/12/20 total cost: \$678,771.20
MPI/CIA: S Grieve; CIE: ML Wong APP1130609
“The Aftershock” – Understanding the impact of traumatic brain injury on depression and emotional regulation.
- 3) NHMRC (Australia) 01/01/14-31/12/17 total cost: \$501,174.00
PI/CIA: ML Wong APP1070935

- “Long-term metabolic effects of stress and antidepressants: a novel translational paradigm of drug-induced obesity.”
- 4) **NHMRC (Australia)** 01/01/13-07/31/17 total cost: \$509,779.19
PI/CIA: ML Wong APP1051931
“AusGBD-Depression: An Australian genetic database study of functional genetic variants and environmental factors in major depression.”
 - 5) **Flinders University** Faculty of Medicine, Nursing and Health Sciences
Bridge funds, small grant
CIB: ML Wong 11/17/15-11/16/16 total cost: \$40,000.00
“A novel pathway in the brain-response to stress.”
 - 6) **JJ Mason** and HS Williams Memorial Foundation
PI/CIA: ML Wong 27/03/2015 – 31/03/2016 total cost: \$60,000.00
“The role of anti-inflammatory transgenic models on the progression of Alzheimer’s disease.”
 - 7) **Flinders University**- UT Dresden Project, small grant (CIA J Licinio)
CIC: ML Wong 01/01/2015-12/31/2016 total cost: \$15,000.00
“Pharmacogenetics of antidepressants: the role of methylation sites.”
 - 8) **Flinders University** Faculty of Medicine, Nursing and Health Sciences
PI/CIA: ML Wong 04/14-04/15 total cost: \$10,000.00
“A novel treatment approach to obesity.”
 - 9) **DTF** (Discovery Translation Fund), Australian National University Connect Ventures
PI: ML Wong 16/12/11-03/09/12 total cost: \$81,836
Co-PI: J Licinio
“Evaluating a novel pharmacological treatment for obesity and metabolic syndrome.”
 - 10) **NCRR/NIH** 06/01/10-05/30/13 direct cost: \$856,000
PI: J Licinio K30RR030288-01
Co-PI: ML Wong, M.D.
“University of Miami Graduate Training Program in Translational Investigation”
This is a K30 interdepartmental career development program in translational medicine.
Ma-Li Wong transferred her position as Co-P.I. to J Hare and D Armstrong as she moved to the Australian National University.
 - 11) **OrthoMcNeil/Janssen** 01/2009-01/2011 total cost: \$823,277
PI: J Licinio 20080276
Co-Inv: ML Wong
“Pharmacogenetics: Antipsychotics and Multiple Medications”, investigator-initiated
Pharmaceutical sponsored project”
 - 12) **NIMH/NIH** 01/02/08-31/01/2013 total cost: \$346,500
PI: H Lavretsky R01MH077650
Consultant: ML Wong

“Methylphenidate Use to Improve Outcomes in Geriatric Depression”

- 13) **NIDA/NIH** 10/01/07-09/30/12 total cost: \$884,460
 PI: S Izenwasser 1P50DA024584
 Co-Inv: ML Wong
 “Sex Differences in Drug Effects: The Adolescent Trajectory”
- 14) **NIAAA/NIH** 03/01/06-02/28/11 total cost: \$2,000,000
 PI: I Salloum R01AA015385
 Co-Inv: ML Wong
 “Optimizing Pharmacotherapy for Bipolar Alcoholics”
- 15) **NIDA/NIH** 09/05/05-05/31/10 total cost: \$2,000,000
 PI: I Salloum R01DA019992
 Co-Inv: ML Wong
 “Valporate Efficacy in Cocaine-Bipolar Comorbidity”
- 16) **NCRR/NIH** 07/01/03-05/31/09 total cost: \$716,606
 PI: ML Wong K24 RR017365
 “Pharmacogenetics of Antidepressants.”
- 17) **NIDDK/NIH** 9/30/02-8/31/09 total cost: \$ 2,616,047
 Co-PIs: ML Wong and J Licinio R01 DK063240
 “Depression and Metabolic Syndrome in Mexican-American Women.”
- 18) **NCRR/NIH** 08/01/02-7/31/07 total cost: \$ 7,082,104
 PI: J Licinio K12RR017611
 Co-investigator: ML Wong
 “UCLA Mentored Clinical Pharmacology Research Scholar Program (K12).”
- 19) **NIGMS/NIH** 04/01/02-03/31/06 total costs: \$365,677
 PI: J Licinio R03 HG/CA02500
 Co-investigator: ML Wong
 “Developing Educational Approaches to Genomics for Mexican-Americans in East Los Angeles.”
- 20) **NIMGS/NIH** 04/01/01-03/31/08 total cost: \$4,904,318
 PI: J Licinio U01 GM61394
 Co-Inv: ML Wong
 “Pharmacogenetics and Pharmacogenomics Research Group.”
- 21) **NCRR/NIH** 12/01/01-05/01/06 total cost: \$29,772,991
 PI: G S Levey M01-RR00865
 Role: ML Wong, Director, GCRC Core Lab
 “UCLA General Clinical Research Center.”
- 22) **NIMH/NIH** 07/01/01-06/30/04 total costs: \$305,500
 PI: ML Wong R21 MH/NS62777
 “CNS gene expression: study of inflammation and pain modulation.”
- 23) **NIGMS/NIH** 09/01/01-08/31/02 total cost: \$152,901
 PI: ML Wong GM61394-01S2

- Co-investigator: J Licinio
“Han-Chinese-American DNA Repository and Community Consultation.”
- 24) **NIHLBI/NIH** 10/01/00-08/31/10 total cost: \$2,819,380
PI: J Licinio K30HL04526
Co-investigator: ML Wong
“UCLA Graduate Training Program in Translational Investigation.”
- 25) **NCCAM/NIH** 09/30/99-02/01/02 total cost: \$7,327,624
PI: D Heber 1P50AT00151-01
Project PI: ML Wong (M-LW total cost: \$530,211)
UCLA Center for Dietary Supplements Research: Botanicals.
Project: “Effects of St. John’s Wort Phytochemicals.”
- 26) **NARSAD** 1997-2000 direct costs: \$59,500
PI: ML Wong
"Central Nitric Oxide Production in Major Depression."
- 27) **NARSAD** 1995-98 direct costs: \$59,500
PI: ML Wong
"Measurement of Corticotropin-releasing Hormone (CRH) Receptor mRNA Levels in Depressed Patients and Control Subjects."
- 28) **Wellcome Trust** 1995-97
International Grant, awarded to fund collaboration between
PI: Nancy Rothwell, Ph.D. (University of Manchester, UK)
Co-PIs: J Licinio and ML Wong

PATENTS

- Wong ML: Co-inventor of United States Patent 5,866,547 – Methods of neuroendocrine regulation of affective disorders, held jointly by the National Institutes of Health and Beth Israel Deaconess Medical Center-Harvard Medical School, 1999 (Flier, JS; Licinio, J; Gold, PW; Wong, ML). US 6,313,098 B1, Nov 6, 2001.
- Wong ML: Co-inventor of United States Patent Application WO 2,006,017,854 - Compositions and methods for determining and predicting treatment responses for depression and anxiety, held by the University of California, Los Angeles, 2006 (Licinio J, Wong, ML, Irizarry KJL, Irizarry KM).
- Wong ML: Co-inventor of United States Patent Application US2008/0118918 A1 – Compositions and methods for determining and predicting treatment responses for depression and anxiety, 2008 (Licinio J, Wong ML, Irizarry KJL, Irizarry KM).
- Wong ML: Co-inventor of European Patent Application EP1784414. Compositions and methods for determining and predicting treatment responses for depression and anxiety, 2007 (Licinio J, Wong ML).

Wong ML: Co-inventor of leptin modulation (Wong ML, Licinio J). Provisional Patent Application number AU2012900702; 24/02/2012

Wong ML: Co-inventor of Method of Treating obesity (Wong, ML; Licinio, J). SAHMRI. Provisional Patent Application number 2014900663; 28/02/2014
Provisional Patent Application number 2015900447; 12/02/2015

Wong, ML: Co-inventor of Method for Assessing a Predisposition (Wong, ML; Licinio, J) SAHMRI.
Provisional Patent Application No 2014903171; 14/08/2014
Provisional Patent Application No 2015902775; 14/07/2015
Provisional Patent Application No 2016902836; 20/07/2016

COMMITTEES and ACADEMIC ACTIVITIES

1993-99 Coordinator of the weekly lab meetings and journal club – Clinical Neuroendocrinology Branch (CNE), Bethesda, USA.

1995-99 Coordinator and supervisor of exchange student program between the Unit on Molecular Neuroendocrinology, CNE and University of Manchester, U.K.

1996 Rapporteur and Member, Organizing Committee: World Health Organization Meeting; Dysthymia in Neurological Disorders, Geneva, Switzerland.

1997 Member, Organizing Committee, World Health Organization (WHO) Meeting: Classification of Dysthymia and Related Conditions in Neurological Disorders: Recommendations for the Clinical Treatment and Criteria for Research, USA.

1998 Member, Organizing Committee, WHO Meeting; Identification of Dysthymia in Neurological Disorders: Recommendations for Clinical Treatment, USA.

1999 Member, Organizing Committee, Joint AIREN (Association Internationale pour la Recherche et l'enseignement en Neurosciences) and WHO Meeting: Dysthymia in Neurological and Related Disorders. Second Phase, USA.

1999-06 Member of several UCLA committees and activities: Curriculum for Interdepartmental PhD Program for Neuroscience Committee (1999); UCLA Center for Dietary Supplements: Botanicals (1999-02); UCLA Program in Psychoneuroimmunology Task Force (1999-02); UCLA Neuropsychiatric Institute Research Council (1999-04); Neuroscience Interdepartmental and Access PhD Program (1999-06); UCLA Brain Research Institute (1999-06); UCLA Medical Scientist Training Program Admissions Committee (2000-01); Interviewer, UCLA Department of Psychiatry Residency Recruitment (2001) ;Interdepartmental Undergraduate Program for Neuroscience Faculty Retreat (2002); UCLA GCRC Advisory Committee (2002-06); UCLA GCRC Summer Course (2002-06); UCLA Mentored Clinical Research Scholar Program Advisory Committee (K12 MCPRSP, 2002-06); Mentor, UCLA American Medical Association Chapter, Mentoring

- Program (2003-05); UCLA Undergraduate Student Research Project Program (2004-06); UCLA GCRC Retreat – 04/05/05
- 2001 Expert consultant to BioMedical Insights, Inc., USA
- 2000 Member, Pharmacogenetics Research Network, Scientific Vision Meeting, National Institute of General Medical Sciences, Chicago, IL, USA.
- 2002-05 Member, Pharmacogenetics Research Network, National Institute of General Medical Sciences, Bethesda, Maryland, USA.
- 2002-06 Exchange Student Program between UCLA and University of Manchester, UK.
- 2003-06 Consultant, Seryx (Signature Genetics) Inc, Montreal, Canada.
- 2006-09 Organizer, Journal Club and Seminar Series, Center on Pharmacogenomics, University of Miami (UM) Dept. of Psychiatry and Behavioral Sciences.
- 2006-09 Member of several UM committees and activities: Neuroscience Program Full Faculty; University of Miami (UM) MD/PhD Program; UM GCRC Advisory Committee; Executive Committees, UM Dept. of Psychiatry; Research Steering Committees, UM Dept. of Psychiatry; UM CTSA – Miami Institute for Medical Discovery; Research Review Committee, UM Dept. of Psychiatry; Academic Personnel Board's Subcommittee on Clinical Practice; Judge, Inaugural UM "Women's Health Research Day" (2008); Chair, Scientific Advisory Board, UM, Specialized Center of Research (SCOR) on Addiction and Health in Women, Children and Adolescents (2008).
- 2009 Mentor, Early career minority investigators, American College of Psychopharmacology (ACNP) Annual meeting, USA.
- 2010-13 Participant: JCSMR Retreat, 10-11/05/10, 06-08/04/2011. John Curtin School of Medical Research (JCSMR) Open Day (13/08/10; 27/08/11; 13/09/12). Small student group, BIOL3190 course (14/10/10; 18/08/11; 14/08/12).
- 2009-13 Member of several JCSMR/ANU committees and activities: Group leader (2009-13); High Throughput Sequencing Steering Committee; ANU Biology Curriculum Review, 10/26-16/11/10; PhD Scholarship Committee, JCSMR, 25/10/10 (twice a year); Education Committee, JCSMR, 25/10/10 (quarterly); Postdoc selection committee, JCSMR Department of Genome Biology, RNA Biology Group, 06/07/11-23/09/11; Computational Genomics Group, 06/09/11-16/03/12; Animal Services Review Committee, 14/11/11 – 30/03/12; Zinkernagel/Doherty Fellowship Selection Committee, JCSMR 2/11/11 – 03/02/12; Curriculum Planning Day; Academic Unit of Psychiatry & Addiction Medicine, ANU Medical School (19/01/12); Internal Grant Review Committee, JCSMR, ANU, ACT, Australia. Recruitment Task Force, JCSMR, ANU, ACT, Australia; Examiner 4th Year Medical Student Final Clinical Exams in Psychiatry (OSCE), ANU Medical School (2010).

- 2013 -17 Member, Medical Services Advisory Committee, Evaluation Subcommittee, Department of Health and Ageing, Australian Government, 04/2013-
- 2013 -17 Member of several SAHMRI committees and activities: Clinical Pillar Group. Chemical Management Group SAHMRI. SAHMRI Flagship Focus Workshop, RIAus, Mind and Brain Workshop for SA Stakeholders, Mind & Brain Mini Symposium, SAHMRI; Australian Society for Psychiatric Research (ASPR) 2014 Conference local organizing committee (LOC), Adelaide, SA, Australia.
- 2013-17 MDD-PGC (Major Depressive Disorder Psychiatric GWAS Consortium) Australian Chapter.
- 2014-2019 Mentor, Early career woman investigators; Member, Membership Committee, American College of Neuropsychopharmacology (ACNP) Annual meeting, USA.
- 2019- Member of several State University of New York Upstate Medical University (SUNY UMU) committees and activities, Neuroscience and Physiology Chair Search Committee, (01-09, 2019); NRB Shared Equipment Oversight Committee (2019-); College of Graduate Studies recruitment program (2019); Invited participant, American Medical Women's Association (04/2019); Psychiatry Diversity Committee (06/2019-); Psychiatry Faculty Appointments and Promotions Committee (09/2019); Chair, Psychiatry Faculty Appointments and Promotions Committee (10/2020 to 10/2021)

SUPERVISION AND MENTORING

- 1993-1999 Co-supervisor, Postdoctoral fellows A. Alsheklee, MD; A. Dib, PhD; K. Habib, PhD; N. Kahn, PhD; R. Kumar, MD; A. Negrao, MD; P. Negro, MD; A. Negrao, MD; P. Prolo, MD; and C.S. Park, MD
- 1993-1999 Co-supervisor, undergraduate students: E. Bak, A. Mulla, P. Khatri, R. Lisman, C.J. Parkin, Z Qaddri, D. Williams, J. Vianello, H. Spokes, and P. Phu.
- 1999-2006 Co-supervisor and mentor, Postdoctoral fellows P. Prolo, MD; F. J. Iribarren, SW; D. Flores, MD; I. Alvarado, MD; S. Caglayan, MD; P. Frost PhD; J Haanestad, MD, PhD; G. Marquez, PsyD; John H Wu, MD; Kwok Wu, PhD; Camilo de la Fuente-Sandoval, MD; J. Oliveira, MD; G. Rinetti, MD; A. Sharma, MD; J.V. Busnello, MD; L. Ribeiro, MD, PhD; T. Delibasi, MD; S.W. Hahn, MD; P. Reyes, SW, M. Milane, MD; R.H. Kang, MD; K. Irizarry, PhD, S. Xu, PhD, F. Gu, PhD; Y. Ma. PhD.; B. Yildiz, MD; O. Yildiz, MD, UCLA, USA
- 1999-2006 Supervisor, undergraduate students S. Arthur, S. Alves, F. Robles, S. Akhave, H.E. Parker, and A. Ciobotaru, UCLA. USA
- 2000-2006 Dissertation Committee Member, PhD students X. Qi (2002-03) and M. Oh (2000-05) UCLA Biostatistics; PhD student J. Cordero (2005-06), UCLA Neuroscience Program, USA

- 2006-2009 Co-supervisor and mentor, Postdoctoral fellows J.V. Busnello, MD (2006-09); G. Paz-Filho, MD (2006-09); L. Ribeiro, MD (2006-09); K. Erol, MD (2007-09); H. Luo, PhD (2008-09); G. Wu, PhD (2008-09) M.E. Ozcan, MD (2008), UM, USA
- 2006-2009 Supervisor and mentor, Junior faculty C. Mastronardi PhD, J. Maestre MD, PhD, K. Esposito MD, PhD, C. Dong PhD, V.P. Andreev PhD, UM, USA
- 2006-2009 Advisor and Dissertation Committee Member, UM MD/PhD student G. W. Reiersen, USA. Thesis: "Role of the phosphodiesterase (PDE) system in mediating the effects of chronic antidepressant treatment in rat brain", graduated in January 2010
- 2007-2009 Dissertation Committee Member, Master student S. Gerzenstein, Molecular Cell, UM, USA. Thesis: "The tissue response to stress and aqueous outflow deficiency", graduated in April 2009, UM, USA
- 2008 Mentor, ACNP Travel Award, 12/2008, USA
- 2009 Advisor, PhD student M. Zanoni, University of Verona, Italy, Translational Biomedicine (January to June). Thesis: "Towards new insights in psychiatric disorders: expression profiles of inflammation-related genes in murine models of sickness behavior", graduated in May 2010
- 2009-13 Supervisor and mentor, Junior faculty C. Mastronardi PhD, G. Paz-Filho MD, Australian National University (ANU)
- 2009-13 Dissertation Committee Member and Mentor, PhD students X (Susan) Tan, Graduate Program in Medical Sciences, JCSMR, ANU (Oct 2009-March 2013); A. K. Mishra and A. Stojakovic, (July 2010-Feb 2013), and Master student A. Khan, Graduate Program in Medical Sciences, JCSMR, ANU
- 2010-14 Dissertation Committee Member and Supervisor, PhD students S. Lee (July 2010-Feb 2014) and S. Guo (Jan-Dec 2011), and Master student S. Choi (Aug 2012-Aug 2013) Graduate Program in Medical Sciences, JCSMR, ANU
- 2010-11 Supervisor, work experience volunteer students D. C. Ponce de Leon (former ANU undergraduate); E. Lyn (Sarah and Nadine Pole Scholarship, Trinity College undergraduate, Oxford, UK, 01/07 to 25/08); J. Y. Shin (former ANU undergraduate Bachelor of Medical Science, 16/08/10 to 16/01/11); P. Sehgal (4-8/07, 2011), ANU
- 2010-13 Co-supervisor, JCSMR Summer Scholars L. Voon (University of Otago, 2010), K. Wang (Monash University, 2010), K. Zhang (University of Auckland, 2010), K. Wang (Monash University, 2011), ANU
- 2011 Examiner, P. Grace PhD Thesis. "Two methods of biomarker discovery: applications in neuropathic pain and pharmacotherapy", University of Adelaide, SA, Australia (27/01/11)

- 2010-2012 Supervisor, Research Proposal (BIOL 8703), Master Student G. Mehta (07 to 11, 2010), Visiting Fellow H. Luo (22/5 to 22/6, 2011), Visiting Scholar, C. Wu (12/2011 to 03/2012), Medical Student Placement, L. Ma (March 1-30, 2012), Research Proposal (BIOL 3208), Bachelor Student L. McPherson (01/03-31/05, 2012), Research Proposal (BIOL 8703), Bachelor Student A. Aldayel (07/11-11/10, 2011), Research Proposal (MEDN8006), Master Student Z. Li (07 to 08, 2102), ANU
- 2013-2021 Supervisor, Postdoctoral Researcher M. Lewis, SAHMRI and Flinders University
- 2014-2021 Co-supervisor, Senior Research Fellow M. Musker, SAHMRI and Adelaide University
- 2014-2017 Co-supervisor, PhD students A. Inserra (Jan 2014 –2017) and Sha Liu (Jan 2014 – 2017), Graduate Program, Flinders University; Ethan G. Dutcher, Medical Student Honours Program, University of Adelaide (Feb-Nov 2015); lab volunteers: Matthew Iasiello (March-Aug 2015); C. U. Elekwachi (Jan-Dec 2016); 4th year Medical Student Research Elective Rotation, University of Adelaide: S. Rositano (March-April 2016) and E. G. Dutcher (Feb-March 2016); Honours students E. Sampson (Jan-Oct 2016); F. Lee (Jan-Oct 2016); A. Tenakoon (c/o IJ Johnson, Jan-Oct 2016); S. Deery (c/o IJ Johnson, Jan-Oct 2016); N. Borg (Jan 2017-Oct 2018), University of Adelaide
- 2016 Supervisor, SAHMRI Summer Student Scholarship Program: C. U. Elekwachi (Jan-Feb 2016) and Thomas Beltrame (Jan-Feb 2016)
- 2017 Supervisor, PhD students C. U. Elekwachi and E. Sampson, Graduate Program, University of Adelaide (Jan-Dec 2017), Visiting Scholar W. Zhu (Mar 2017-Feb 2018), SAHMRI
- 2017- Supervisor and Dissertation Advisor, PhD students K. O’Hara (Dec 2017-June 2018); Y. Huang (04/24 to 8/10/2020; 9/01/2021- 11/28/2021), C. Chin (06/01/2021-), State University of New York Upstate Medical Univerisyt (SUNY UMU) Graduate Program, USA
- 2018 - Supervisor Rotation PhD students, A. Grageda (12/2018); Y. Huang (01/06-03/13 and 09/25-12/21/2019); C. Chin (09/22-12/21)
- 2018- Member, Advisory and Thesis Defense Committee, PhD students R. Sager (05/06/2020 - 2021), Y. Zhu PhD student (02/12/2019 Qualifying exam)
- 2018- Supervisor, Postdoctoral researcher S. Marwari (Sep 2018-Aug 2020); Research Assistant Professor H. Ruan (1/2019-); Postdoctoral researcher E. Chin (5/2019-24/021); Visiting Scholar P. Zheng (2019-20); Posdoctoral researcher Q. Ma (1/2020-), SUNY UMU
- 2019- Supervisor, Summer students, J Rogner (Medical student (MS)1/PhD student, Summer Research Fellowship Program 2019), A. Somasudaram (MS1 Work Study Program 2020), A. Ahmed (MS1, Summer Research Fellowship Program 2021), A.

Ekekwe (Summer Undergraduate Research Program 2021), A. Luo (MS1, Summer Research Fellowship Program 2022), SUNY UMU

2020 Chair, Thesis Defense Committee, PhD Student T. Winans (08/21), SUNY UMU

2021- Supervisor, MS electives, N Siriwatanakul (MS1, Summer 2021), Allen Luo (MS1, Winter 2022), SUNY UMU

GRANT REVIEWS AND ADVISORY COMMITTEES

09/2000 Reviewer, Special Emphasis Panel (SEP), Institute National Advisory Child Health and Human Development Council (NICHD), NIH, USA.

09/2000 Reviewer, Department Review Panel, Department of Veteran Affairs, USA.

11/2001 Reviewer, SPE, NICHD, NIH, USA.

06/2002 Reviewer, Minority Training in Genetics, Neuroendocrinology, and Psychopathology, NIMH, NIH, USA.

10/2002 Chairperson, NIMH SEP, Minority Development Awards, NIH, USA.

10/2004 Reviewer, NIMH Gene-environment Effects and Epigenesis, NIH, USA.

11/2004 Reviewer, NIMH Cooperative Drug Development Group Program, NIH, USA.

1/2005 Independent Expert Evaluator: European Commission Sixth Framework Programme of the European Community for Research, Technological Developmental and Demonstration, Specific Targeted Projects, European Union.

01/2006 Reviewer, Stein Oppenheimer Endowment Award, UCLA, USA.

05/2006-08 Reviewer, Loan Repayment Program, NIH, USA.

10/2006 Chairperson and reviewer, NIMH CIDAR Centers, NIH, USA.

01/2007 Reviewer, Ontario Mental Health Foundation, Canada.

01/2007 Reviewer, Program for Frontier and Innovative Research of NTU, Taiwan.

2007-08 Reviewer, UM, Developmental Research Grant Award Review Committee for the Institute for Women's Health Developmental Research Grant Program.

02/2008 Reviewer, National Center for Research Resources (NCRR), NIH Clinical and Translational Science Awards (CTSA) SEP, NIH, USA.

02/2009 Reviewer, NCRR, NIH CTSA SEP, NIH, USA.

- 02/2009 Reviewer, SEP for applications in conflict with the Interventions Committee for Adult Mood and Anxiety Disorders Conflicts Panel, NIMH, NIH, USA.
- 06/2009 Reviewer, Foundation for Polish Science (FNP) Welcome Programme.
- 12/2009 Reviewer, Pharmacogenomics SEP, Pharmacogenomics Research Network, National Institute of General Medical Sciences (NIGMS/NIH), Web-based review, USA.
- 2010-13 Reviewer, ANU College of Medicine, Biology & Environment (CMBE) NHMRC Small Equipment Grant Review Committee, Australia (01/04/2010; 22/02/2011; 23/02/2012; 14/12/2012).
- 19/05/2010 Reviewer, Medical Research Council, Council's Triage Molecular and Cellular Medicine Board, web-based Electronic Application and Assessment System, UK.
- 2010-18 External Assessor, National Health and Medical Research Council Project Grants, Australia [2010 (1); 2011 (1); 2012 (1); 2013 (2); 2014 (1), 2015 (2); 2016 (2), 2017 (2), 2018 (1)].
- 12/03/2010 Reviewer, Large-Scale Collaborative Project Awards (U54, "Glue Grants") NIGMS, NIH, USA.
- 11/2011 Reviewer, STaR Investigatorship Award, National Medical Research Council, Ministry of Health, Singapore.
- 11-12/2011 Reviewer, Medical Research Council, United Kingdom.
- 16/10/12 Reviewer, Melbourne Health, Royal Melbourne Hospital, VIC, Australia.
- 2/2013-17 Member, Medical Service Advisory Committee, Evaluation Subcommittee Meeting, Department of Health, Canberra, ACT, Australia.
- 08/05/2013 Reviewer, King Abdulaziz University Deanship of Scientific Research grant, Saudi Arabia.
- 14/01/2015 Reviewer, National Medical Research Council, Ministry of Health, Singapore.
- 05/2016 Assessor, Discovery Projects 2017 (DP17), Australian Research Council (ARC) – 1 proposal.
- 09/2016 Assistant Chair, Grant Review Panel (GRP) 6C (Clinical Trials), National Health and Medical Research Council (NHMRC), Canberra, ACT, Australia (05-09/09/2016).
- 03/2019 Reviewer, Preludium funding scheme grant, National Science Center, Panel NZ2, Poland.
- 04/2019 Reviewer, French National Agency (ANR), AAPG 2019

- 01/2021 Mail reviewer, NIH Transformative Research Award Program
- 03/2022 Reviewer, HRB Emergin Investigator Awards for Health (EIA 2022). Health Research Board, Ireland.

EDITORIAL ACTIVITIES:

- 1995- Associate Editor: ***Molecular Psychiatry***, <http://www.nature.com/mp/>
2019 Impact Factor: 12.384
- 2001-15 Member, Editorial Board: ***The Pharmacogenomics Journal***
<http://www.nature.com/tpj>
- 2001 ***Psychiatric Times***, expert consultant for Special Report in Genetics. August 2005, Vol XXII, No. 9, CMP Publication.
- 2015-2020 Section Editor for the area of Psychiatry, ***The Pharmacogenomics Journal***
<http://www.nature.com/tpj>
- 2/3/2021- Editorial Board Member, ***Brazilian Journal of Psychiatry***
<http://www.bjp.org.br>
- 3/24/2021- Senior Editor, ***eLife***
<https://elifesciences.org/>
- 7/5/2021- Editorial Board Member, ***Discover Mental Health***
<https://www.springer.com/journal/44192/>

Ad hoc peer-reviewer for the following journals:

Acta Pharmacologica Sinica, American Journal of Medical Genetics Part B- Neuropsychiatric Genetics, American Journal of Physiology: Heart and Circulatory; Australian New Zealand Journal of Psychiatry; Biomarkers in Medicine; BioMed Central Psychiatry; Biological Psychiatry; Bipolar Disorders - An International Journal of Psychiatry and Neurosciences; Brain, Behavior, and Immunity; Circulation; Current Medicinal Chemistry; Current Psychiatry; Drugs in R&D; Emerging Therapeutic Targets; Endocrine Society; Expert Review of Neurotherapeutics; Intensive Care Medicine; International Journal of Neuropsychopharmacology; International Journal of Behavioral Medicine; Journal of Clinical Endocrinology & Metabolism; Journal of Current Medicinal Chemistry; Journal of Neuroimmunology; Journal of Pharmacology and Experimental Therapeutics; Journal of Psychiatry and Neuroscience; Medicinal Chemistry; Molecular Psychiatry (~7/year); Nature Reviews Drug Discovery; Nature Reviews Neuroscience; Neuroimmunomodulation; Neuromolecular Medicine; Neuropeptides; Neuropsychiatric Disease and Treatment; Neuropsychopharmacology; NeuroMolecular Medicine; NeuroSignals; The Pharmacogenomics Journal; Pharmacogenomics; Proceedings of the National Academy of Sciences USA; Progress in Neuro-Psychopharmacology & Biological Psychiatry; Psychiatric Genetics; Psychiatric investigation; Psychiatry Research; Psychiatric Times; Respiratory Research; The International Journal of Neuropsychopharmacology; The Pharmacogenomics Journal;

Translational Psychiatry (~3/year); Current Medicinal Chemistry; Current Pharmacogenomics; Journal of Affective Disorder; Brain, Behavior, and Immunity; AIMS Molecular Science; Psychoneuroendocrinology; Neuroscience & Biobehavioral Reviews.

PROFESSIONAL SOCIETIES:

American Association for Advancement of Science
American College of Neuropsychopharmacology (2008-)
American Psychiatric Association
International Society for Pharmacogenomics
The Endocrine Society (1997- 2017)
Society for Neuroscience
The Australian Society for Psychiatric Research (2010-2017)
The International College of Neuropsychopharmacology (2012)
Australasian Neuroscience Society Inc (21/03/14-2017)
International Network for the History of Neuropsychopharmacology (07/2016-)
Biological Psychiatry Australia (10/2016-2017)
Society of Biological Psychiatry (2018-)

LECTURES, PLENARY TALKS and SYMPOSIA:

- 1) “Guidelines for the resident interested in research”. Oral presentation, American Psychiatric Association Annual Meeting, New York, NY, 05/1990.
- 2) “Downregulation of glutamate mRNA in kindling”. Oral presentation, Society of Biological Psychiatry Annual Meeting, New Orleans, LA, 05/10/1991.
- 3) “Inducible Nitric Oxide Synthase expression in the brain after peripheral LPS injection”. Oral presentation at the NIH-wide Cytokine Interest Group Meeting Cytokine in the Brain. Natcher Conference Center, NIH, Bethesda, MD 09/18/97.
- 4) “The role of immune mediators and nitric oxide in aging”. Oral presentation at the 13th International Conference on Comparative Physiology - Aging in Animals and Humans: from cell to organism. Troina (Sicily), Italy, 09/13/1998.
- 5) “Role of immune mediators in the CNS”, Neural Immune Interactions in Health and Disease course. Foundation for Advanced Education in the Health Sciences at the National Institutes of Health, 1999.
- 6) “Neuroimmunomodulators, nitric oxide, psychiatric disorders and neurodegeneration. Oral presentation at the Symposium of Neuroimmune-endocrine Interactions in Psychiatric and Neurodegenerative Disorders in the Elderly. International Psychogeriatric Association, Beijing Joint Meeting, Beijing, China, 04/12/1999.
- 7) “Cytokines in the Brain”, UCLA Program in Psychoneuroimmunology Research Seminar, 16-23/02/2000.
- 8) “Hypothalamic transcript regulation by St. John’s Wort”, Office of Dietary Supplements, NIH, 20/4/2000.
- 9) “Hypothalamic transcript regulation by St. John’s Wort: updates”, UCLA Center of Dietary Supplements: Botanicals, 27/07/2000.
- 10) Neuroanatomy Series – One-hour weekly Seminar for post-doctoral fellows and students of the UCLA PNI Center, 04-07/2000.
- 11) “Pharmacogenomic approach to the study of prototypical and herbal antidepressants”, UCLA Center for Human Nutrition Seminar, 23/02/2001.

- 12) Molecular Biology Techniques – One-hour weekly Seminar for post-doctoral fellows and students of the Laboratory of Pharmacogenomics, 02- 08/2001.
- 13) “Major Depression, the neuroendocrine frontier and beyond”, UCLA Endocrinology Grand Rounds, 06/06/2001.
- 14) “Hypothalamic transcript regulation by St. John’s Wort: updates”, UCLA Center of Dietary Supplements: Botanicals, 28/06/2001.
- 15) Small Group Moderator – Primary Care College Foundation Week, Clinical Pharmacology Session required for third year medical students, UCLA School of Medicine, 03/08/2001.
- 16) “Use of Pharmacogenomics tools to Understand Neuroimmune Interactions”, Specialty Laboratories, Santa Monica, CA, September 12/09/2001.
- 17) “Depression, inflammation and stress: clinical and molecular studies”, Department of Psychiatry Grand Rounds, University of Alabama School of Medicine, 08/11/2001.
- 18) “Analysis of gene transcription in chronic treatment of prototypic antidepressants and St. John’s Wort”, Novartis Pharmaceuticals Corporation, Gaithersburg, MD, 19/11/2001.
- 19) “The role of inflammatory mediators, stress responsive neuroendocrine systems in depression”, Department of Psychiatry Grand Rounds, University of California Irvine. 05/12/2001.
- 20) “Meet the Professors” series, UCLA Interdepartmental Neuroscience Ph.D. Program. 22/10/2003.
- 21) “Pharmacogenomic Approaches to Inflammation and Depression in Hispanics”, Department of Psychiatry Grand Rounds, University of Texas Health Sciences Center, San Antonio, 27/04/2004.
- 22) Small Group Leader, the 11th Annual Course: The Essentials of Clinical Investigation: Developing a Research Proposal, UCLA General Clinical Research Center, 19-30/07/2004.
- 23) “Writing and Publishing Research”, UCLA Louis Stokes Alliance for Minority Participation (LSAMP), and the Alliance for Graduate Education and the Professoriate's (AGEP) Summer Transition Program Workshop, 25/08/2004.
- 24) “Diversifying your portfolio: Non-Governmental sources of funding”. UCLA K30 Program Module 1: NIH Grant Preparation, 24/09/2004.
- 25) “Pharmacogenomics of Antidepressant Response in Mexican-Americans”, UCLA Auxiliary Fall Meeting, 3/11/2004.
- 26) Small Group Leader, the 12th Annual Course: The Essentials of Clinical Investigation: Developing a Research Proposal, UCLA GCRC, 11-22/07/ 2005.
- 27) “The Academic Career”, the 12th Annual Course: The Essentials of Clinical Investigation: Developing a Research Proposal, UCLA General Clinical Research Center, 14/07/2005.
- 28) “How to Write a Scientific Paper”, The 12th Annual Course: The Essentials of Clinical Investigation: Developing a Research Proposal, UCLA GCRC, 15/07/2005.
- 29) “Endotoxin-Induced Myocarditis: A Newly Discovered, Inflammation-induced heart disease. Pathology, Histology, *In Situ* Hybridization and Gene Expression Profiling by DNA Chips”. Neuroendocrine Network and Body Homeostasis Meeting, Ribeirao Preto School of Medicine, Ribeirao Preto, Brazil, 23/08/2005.
- 30) “Immune Mediators, Depression, and HeartDisease”, Special Lecture, Department of Medicine, University of Dresden, Dresden, Germany, 06/09/2005.
- 31) “Gene Expression as a Probe to Discover New Mechanisms of Antidepressant Action”. Special Lecture at the 20th Korean Society of Biological Psychiatry Annual Meeting, Seoul, South Korea, 29/09/2005.
- 32) “Diversifying Your Portfolio: Non-Government Sources of Funding”, K30 Module 1: NIH Grant Preparation, 02/11/2005.

- 33) “Updates on Pharmacogenomics of Antidepressants”. X National Congress of Psychiatry, Seville, Spain, 19/10/2006.
- 34) “Pharmacogenomics of Antidepressants”, UM Neuroscience Program Faculty Candidate Seminar, 30/10/2006.
- 35) “Immune Mediators, Depression and Heart Disease: a Mechanistic Link”, XXII Ibero-American Congress of Physiological Sciences, Buenos Aires, Argentina, 05/11/2006.
- 36) “Pharmacogenomics of Antidepressants”, XXII Ibero-American Congress of Physiological Sciences, Buenos Aires, Argentina, 05/11/2006.
- 37) “Phosphodiesterase Genes and Susceptibility to Depression”, UM Psychiatry Grand Rounds, 21/03/2007.
- 38) Co-Chair Symposium: “Recent Update in Pharmacogenetic Studies”; 2nd International Congress on Biological Psychiatry, World Federation of Societies of Biological Psychiatry, Santiago, Chile, 18/04/2007.
- 39) Co-Chair Symposium: “Whole Genome Association (WGA) Studies in Psychiatry: Opportunities and Pitfalls”, American College of Neuropsychopharmacology Annual Meeting, Boca Raton, FL, USA, 13/12/2007.
- 40) Research in the Dept of Psychiatry, UM. Lecture to the residents, 03/2008.
- 41) “Translational Research and Center on Pharmacogenomics”, Presentation to the UM Dean’s Advisory Committee for Psychiatry, UM Medical School, 30/10/2008
- 42) Research in the Dept of Psychiatry, UM. Lecture to the residents, 03/2009.
- 43) “Role of Inflammation in Major Depressive Disorder: Clinical and Genetic Evidence. Neurobiology of Stress and Emotion Regulation, ASPR Workshop, JCSMR, Canberra, ACT, Australia, 01/12/2009.
- 44) “Depression: a common complex disorder”, invited lecture to ANU medical students at the Bruce Hall High Table Synopsis, Bruce Hall, Acton, ACT, Australia, 12/05/2010.
- 45) “Major Depression”, invited lecture to the Smart Talk Seminar Series, Australian Institute of Sport, Australian Sports Commission, ACT, Australia, 26/07/2010.
- 46) “Facilitating Cross-College Collaborations at ANU: Harnessing the ANU X-Disciplinary Potential”, 2010 ANU Leadership Program Academic Participants, Project Presentation, ANU, ACT, Australia, 04/08/2010.
- 47) Session Chair, Bootes Course on Translational Medicine: The Pathway from Discovery to Healthcare, JCSMR, ANU, ACT, Australia, 17/08/2010.
- 48) Session Chair, Translational Research on the Brain: Accelerating the Pathway from Discovery to Healthcare. First Annual National Conference, JCSMR, ANU, ACT, Australia, 30/08/2010.
- 49) “Recent Advances in Major Depression Research”, 20th Annual TheMHS Conference, Sydney, NSW, Australia, 16/09/2010.
- 50) “Biological basis of schizophrenia”, Lecture in Block 6 – Year 2 Medical Students, ANU Medical School, CMBE, ACT, Australia, 08/10/2010.
- 51) Session Chair, First International Conference in Translational Medicine, JCSMR, ANU, ACT, Australia, 02/11/2010.
- 52) “The role of cGMP in depression: Therapeutical implications”, International Symposium on Nitric Oxide-Cyclic GMP Signal Transduction in Brain, Valencia, Spain, 11/05/2010.
- 53) “Effects of leptin on energy metabolism and glucose homeostasis”, DGPPN Congress 2010 (German Association for Psychiatry and Psychotherapy), Berlin, Germany, 11/25/2010.
- 54) “Interactions between stress, antidepressants and diet.” Keynote speaker, ACT Branch of the RANZCP Annual Branch Scientific Meeting, Corrigan’s Cove, NSW, 19 March 2011.
- 55) “Biological basis of schizophrenia”, Lecture in Block 6 – Year 2 Medical Students, ANU Medical School, CMBE, ACT, Australia, 07/10/2011.

- 56) “Re-conceptualizing depression”, Invited Lecture, Brain & Mind Research Institute, University of Sydney, NSW, Australia, 11/25/2011.
- 57) “Pharmacogenomics”, Clinical Pharmacological Tutorial, Master of Translational Medicine Coursework Program, JCSMR, 31/01/2012.
- 58) “Major Depression: A Common Complex Disorder”, Lecture, Academic Unit of Psychiatry & Addiction Medicine, ANU Medical School, 23/03/2012.
- 59) “Overview of Translation and Introduction to Course”, Third Boots Course on Translational Medicine: The Pathway from Discovery to Healthcare, JSCMR, ANU, ACT, Australia, 07/03/12.
- 60) “The role of leptin in the pharmacogenomics of obesity”, lecture in the symposium entitled “Pharmacogenomics and personalized medicine in psychiatry: Prospects for clinical implementation”, The International College of Neuropsychopharmacology (CINP) World Congress, Stockholm, Sweden, 05/06/12.
- 61) Session Chair, Session 1, Basic Discovery: The Foundation of Translational Medicine and Co-Chair, Discussion Panel. The third Boots Course on Translational Medicine: The Pathway from Discovery to Healthcare, JSCMR, ANU, ACT, Australia, 07/03/12.
- 62) Session Chair, Session 2, From Clinical Research to Clinical Care: Outcomes of Translational Research on healthcare practice, guidelines and policy. The third Boots Course on Translational Medicine: The Pathway from Discovery to Healthcare, JSCMR, ANU, ACT, Australia, 07/04/12.
- 63) “Pharmacogenomics of depression: Pathways and mechanisms”, Lecture, Queensland Institute of Medical Research, Brisbane, QLD, 12/06/12.
- 64) “Unraveling the biology and medical complications of depression: From endocrine and metabolic effects to genomic science”, Research Meeting at Department of Psychological Medicine, National University of Singapore, Singapore, 18/07/12.
- 65) “Translational Research: Obesity, depression and their interface as case examples”, Medicine Rounds, National University of Singapore, Singapore, 19/07/12.
- 66) “Biological basis of schizophrenia”, Lecture in Block 6 – Year 2 Medical Students, ANU Medical School, CMBE, ACT, Australia, 05/10/2012.
- 67) “Pharmacogenomics”, Clinical Pharmacological Tutorial, Master of Translational Medicine Coursework Program, JCSMR, 16/10/2012.
- 68) “The role of immunomediators in depression”, University of New South Wales Academic Forum, Sydney, NSW, Australia, 21/11/2012.
- 69) “Pharmacogenomics of antidepressants”, Discipline of Clinical Pharmacology, School of Medical Sciences, University of Adelaide, SA, Australia, 06/17/2013.
- 70) “Pharmacogenomics of antidepressants”, Taishan Academic Forum on Mental Disorders 2013, Yantai, China, 30/06/2013.
- 71) Organizer Committee, Second National Symposium on Translational Psychiatry, South Australian Health and Medical Research Institute and Flinders University, Adelaide, South Australia, 08/08/2013
- 72) “Pharmacogenomics of antidepressants”, Second National Symposium on Translational Psychiatry, South Australian Health and Medical Research Institute and Flinders University, Adelaide, South Australia, 08/08/2013.
- 73) Section Chair, Second National Symposium on Translational Psychiatry, South Australian Health and Medical Research Institute and Flinders University, Adelaide, South Australia, 08/09/2013.
- 74) “Genetic and Pharmacogenetics of Major Depressive Disorder”, Lecture, Dept of Psychiatry Continuing Professional Development meeting, Flinders University, Adelaide, 18/11/2013.

- 75) Section Chair, 34th Annual Meeting of the Australasian Neurosciences Society Symposium 8, Translational Research in Depression: Stem Cells, Genes, Behaviour & Drug Response, Adelaide, 30/01/2014.
- 76) Section Chair, Psychoneuroimmune modulation in the phases of life. Brain, Body & Mind workshop, SAHMRI, Adelaide, South Australia, 1/02/2014.
- 77) “Depression and Obesity”, Continuing Medical Education Presentation, The Adelaide Clinic, Adelaide, SA, Australia, 1/05/2014.
- 78) SAHMRI Institute-wide Scientific Launch and the International Translational Medicine Conference, Adelaide, SA, Australia, 23-27/06/2014.
- 79) “Beyond Traditional Genetics Studies, Fundamentals in Biological Psychiatry undergraduate course elective, Adelaide University, Adelaide, SA, Australia, 18/09/2014.
- 80) Speaker, “Mind and Brain Research”, CNS Collaborators Day, Flinders University’s Centre for Neuroscience, Adelaide, SA, Australia, 26/09/2014.
- 81) Invited discussant, European College of Neuropsychopharmacology (ECNP) Target Network Meeting on “Opportunities and challenges for research in suicidal behavior”, Berlin, Germany, 22/10/2014.
- 82) Section Chair, Free Communication 3C, Australasian Society for Psychiatric Research (ASPR) 2014 Conference, Adelaide, SA, Australia, 03/12/2014.
- 83) Section Chair, Plenary Section 4, Australasian Society for Psychiatric Research (ASPR) 2014 Conference, Adelaide, SA, Australia, 04/12/2014.
- 84) Keynote speaker, “Genetics of Depression”, Australasian Society for Psychiatric Research (ASPR) 2014 Conference, Adelaide, SA, Australia, 05/12/2014.
- 85) Judge, Oral Presentations, Australasian Society for Psychiatric Research (ASPR) 2014 Conference, Adelaide, SA, Australia, 05/12/2014.
- 86) “Pharmacogenomics of Depression”, Lecture at the University of New Mexico Cancer Center, Albuquerque, NM, USA, 12/12/2014.
- 87) Chair, SAHMRI Mind&Brain Mini Symposium, South Australian Health and Medical Research Institute, Adelaide, SA, Australia, 22/04/2015.
- 88) Invited discussant, Molecular Psychiatry, Forum “A preview of Breaking New Research on Adolescence Drinking, Schizophrenia and Suicide” from the American Journal of Psychiatry and Molecular Psychiatry, American Psychiatric Association Meeting, May 18, 2015, Toronto, Ontario, Canada.
- 89) Licinio J, Wong ML. The stress-antidepressant-diet (SAD) paradigm: a new animal model to study the long-term metabolic effects of antidepressant exposure. Oral presentation at the Molecular Psychiatry Meeting, San Francisco, California, 10/31/2015.
- 90) “Pharmacogenomics of antidepressants in Mexican-Americans”, lecture at the University of New Mexico Mind Research Network, Albuquerque, NW, USA, 11/06/2015.
- 91) “Unravelling the biology of clinical depression: How this may lead to new treatment”, talk at the Donor Day, Flinders Medical Centre Foundation, Adelaide, SA, Australia 04/04/2016.
- 92) “Pharmacogenomics Approaches to personalized antidepressant treatment”, talk at the PCS Mental Health forum in Budapest, Hungary, 04/16/2016.
- 93) “Pharmacogenomic approaches to antidepressant treatment”, MBBS Year 6 Psychiatry selective tutorial, University of Adelaide, Adelaide, SA, Australia, 07/20/2016.
- 94) “Pharmacogenomic of antidepressants update”, Tackling Depression Research Seminar, Freemasons Foundation Centre for Men’s Health, SAHMRI, Adelaide, 07/27/2016.
- 95) “Inflammasome signaling, gut microbiome composition and rodent behavior”, Speaker in the Symposium: We are what we eat: Regulation of brain function and behaviour by nutrition and

- the gut microbiome, Biological Psychiatry Australia 6th Annual Scientific Meeting, Newcastle, NSW, 10/13/2016.
- 96) “Pharmacogenomic approaches to depression”, Seminar, State University of New York, Upstate Medical University, 01/10/2017.
 - 97) “Genomic and Pharmacogenomic approaches to depression”, Speaker in the 2017 International Conference of Progress in Psychiatry, Beijing, China, 09/23/2017.
 - 98) “Pharmacogenomic approaches to depression, Seminar, State University of New York, Upstate Medical University, 10/01/2018.
 - 99) “Inflammasome signaling and gut microbiome in chronic stress”, Grand Rounds, Dept Psychiatry, State University of New York, Upstate Medical University, 03/01/2018.
 - 100) “The inflammasome and the Microbiota-Gut-Brain Axis”, Speaker at the 14th Psychoimmunology Expert Meeting, Gunzburg, Germany, 03/23/2018.
 - 101) “The microbiome, stress and immune mediators, Speaker at the 15th National Conference on Drug Dependence and International Symposium on Psychiatric Diseases, Kunming, China, 11/30/2018
 - 102) “*Casp1*, *Ifngr* and *Nos2* genes KO modulate depression and anxiety, and gut microbiome composition”, Speaker at the 6th China Sleep and Psychosomatic Medicine Conference, Beijing, China 06/22/2019
 - 103) Lecturer/Courses, SUNY Neurosciences and Physiology, N619 - Neurobiology of Disease, Fall 2019 (Sept 19, 2019); N631 - Topics in Neuroscience, Fall 2019 (Nov 5, 2019).
 - 104) Lecturer, SUNY, N601, Neuroanatomy
 - 105) Lecturer, SUNY, Gs604, Graduate Student Research Opportunities; Lab visits (03/23/2020)
 - 106) “Brief update of gut microbiome findings in psychiatric disorders”, Speaker, Psychoimmunology Virtual Meeting 03/26/2020.
 - 107) Lecturer, SUNY, Neuroscience 1st year presentations (08/03/2020)
 - 108) “Alternative splicing mechanisms and Alzheimer’s Disease”, Speaker, CART (Coins for Alzheimer’s Research Trust) Research Grant Award Winners Virtual Meeting (05/03/2021).

PUBLICATION METRICS:

Google Scholar Citation Report (March 2022)

Indexed: 344
Sum of citations: 19,007
h-index: 64
i10-index: 175

ORIGINAL PEER- REVIEWED RESEARCH ARTICLES

1. Nussenzveig IZ, Sircar R, **Wong ML**, Frusciante MJ, Javitt DC, Zukin SR: Polyamine effects upon N-methyl-D-aspartate receptor functioning: differential alteration by glycine and glycine sites antagonists. *Brain Research* 1991;561:285-291. PMID:1686987
2. Licinio J, **Wong ML**, Gold PW: Localization of interleukin-1 receptor antagonist mRNA in rat brain. *Endocrinology* 1991;129:562-564. PMID:1829036.
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130. Licinio J, **Wong ML**. Pharmacogenomics of neuroimmuno interactions in psychiatric disorders. Oral presentation at the Experimental Biology Annual Meeting, Washington, DC, May 01, 2007.
131. Licinio J, **Wong ML**. Are pharmacodynamic genes ready for psychiatric clinical practice or not? Oral workshop presentation at the 2007 Society for Biological Psychiatry, San Diego, CA, May 19, 2007.
132. Licinio J, **Wong ML**. The Relationship between Antidepressant use and Suicide: Negative, Positive or Coincidental?" Oral plenary presentation at the 2nd Congress of South American Association for Suicidology (ASULAC), Brazil, June 29, 2007.
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134. Mastronardi C, Whelan F, McCann S, Licinio J, **Wong ML**. Integration of central and peripheral transcriptional responses during LPS-induced SIRS. Society for Neuroscience Annual meeting, San Diego, CA, November 06, 2007.
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136. Reiersen GW, Mastronardi CA, **Wong ML**. Phosphodiesterase (PDE) gene expression in the rat central nervous system. Citizen’s Board Research and Creativity Forum. Coral Gables, Florida April 2, 2008.
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138. Reiersen GW, Mastronardi CA, **Wong ML**. Effect of antidepressant treatment on cAMP signaling in the rat pineal gland. Department of Psychiatry and Behavioral Sciences Poster Session. Miami, (FL) April 29, 2008.
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144. Dong C, **Wong ML**, Licinio J. Patterns of genetic differentiation between Mexican-Americans and three HapMap ethnic populations in candidate genes for depressive disorder and antidepressant response. American Society of Human Genetics 58th Annual Meeting, Philadelphia, PA, November 11-15, 2008.
145. Reiersen GW, Mastronardi CA, Licinio J, **Wong ML**. Chronic imipramine downregulates cAMP signaling in rat hippocampus. American College of Neuropsychopharmacology 47th Annual Meeting. Scottsdale (AZ), December 7-11th, 2008.
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147. **Wong ML**, Dong C, Maestre-Mesa J, Licinio J. Association of variations in inflammation-related genes with susceptibility to Major Depression and Drug Response. American College of Neuropsychopharmacology 47th Annual Meeting. Scottsdale (AZ), December 7-11th, 2008.
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150. Reiersen GW, Mastronardi C, Licinio J, **Wong ML**. Chronic imipramine downregulates cyclic AMP signaling in rat hippocampus. American Psychiatric Association 162th Annual meeting. San Francisco, CA, May 16-21, 2009.

151. Reiersen GW, Mastronardi C, Licinio J, **Wong ML**. Repeated antidepressant therapy increases cyclic GMP signaling in rat hippocampus. 24th Annual National MD-PhD Student Conference. Keystone, Colorado, July 24-26, 2009.
152. Paz-Filho G, London ED, Lee B, Chakrapani S, Kohno M, Baicy K, Sharma A, Delibasi T, Erol HK, **Wong ML**, Licinio J. Neuroplastic and Functional Effects of Leptin Replacement on the Central Nervous System. The Endocrine Society's 91th Annual Meeting, Washington, DC, June 2009.
153. Andreev V, Dwivedi R, Paz-Filho G, Krokhin OV, **Wong ML**, Wilkins J, Licinio J. Quantitative Study of Plasma Proteome Dynamics in Genetically Leptin Deficient Patients during Leptin Replacement Treatment. American Society for Mass Spectrometry (ASMS) 57th Conference, Philadelphia, PA, May 31, 2009.
154. Reiersen GW, Mastronardi C, Licinio J, **Wong ML**. Repeated antidepressant therapy increases cyclic GMP signaling in rat hippocampus (Reiersen, G 2009 SFN Chapters Graduate Student Travel Award Winner). Society for Neuroscience Annual Conference, Chicago, IL, Nov 13-17, 2009.
155. Galgani J, Greenway F, **Wong ML**, Licinio J, Ravussin E. (2009, November). Leptin Replacement Enhances Energy and Fat Metabolism in Leptin-Deficient Humans. *Obesity* 2009;17:S51.
156. Reiersen GW, Mastronardi C, Licinio J, **Wong ML**. Chronic Fluoxetine Treatment Increases Daytime Melatonin Synthesis in the Rodent. American College of Neuropsychopharmacology 48th Annual Meeting, Hollywood, FL, December 6-10, 2009.
157. Mastronardi CA, Licinio J, **Wong ML**. Central and Peripheral Transcriptional Responses During LPS-Induced Inflammatory Stress. Oral Presentation at the Faculty Research Fellowship. American College of Neuropsychopharmacology 48th Annual Meeting, Hollywood, FL, December 6-10, 2009.
158. Mastronardi CA, Dong C, Licinio J, **Wong ML**. Central and Peripheral Transcriptional Responses During LPS-Induced Inflammatory Stress. Poster Presentation. American College of Neuropsychopharmacology 48th Annual Meeting, Hollywood, FL, December 6-10, 2009.
159. Paz-Filho G, Andreev V, **Wong ML**, Dwivedi R, Krokhin O, Wilkins JA, Licinio J. Dynamics of Plasma Proteome of Genetically Leptin-deficient Patients during Leptin Replacement Therapy. Oral presentation at the 14th International Congress of Endocrinology, Kyoto, Japan, March 28, 2010.
160. Paz-Filho G, Andreev V, **Wong ML**, Dwivedi R, Krokhin O, Wilkins JA, Licinio J. Dynamics of Plasma Proteome of Genetically Leptin-deficient Patients during Leptin Replacement Therapy. Poster presentation at the 92nd Annual Endocrine Society's Meeting, San Diego, CA, June 21, 2010.

161. Mastronardi C, Licinio J, **Wong ML**. Gene expression comparison between brain and heart during inflammatory stress. Poster presentation at the Genetics Society of AustralAsia 57th Annual Conference, July 7, 2010.
162. Paz-Filho G, Andreev V, **Wong ML**, Dwivedi R, Krokhn O, Wilkins JA, Licinio J. Dynamics of Plasma Proteome of Genetically Leptin-deficient Patients during Leptin Replacement Therapy. Oral presentation at the Genetics Society of AustralAsia 57th Annual Conference, Canberra, ACT, July 7, 2010.
163. Mastronardi C, Zanoni M, Licinio J, **Wong ML**. Spatial-temporal transcriptional responses during LPS-induced inflammatory stress. Poster presentation at the American College of Neuropsychopharmacology 49^h Annual Meeting. Miami, FL, December 06, 2010.
164. Mastronardi C, Zanoni M, Licinio J, **Wong ML**. The combination of stress, antidepressant use and high-fat diet is a risk factor for chronic obesity. Poster presentation at the 93rd Endocrine Society Meeting. Boston, MA, USA, June 4-7, 2011.
165. Lee S, Mastronardi C, Paz-Filho G, Licinio J, **Wong ML**. Understanding the long-term effect of weight gain induced by short-term exposure of antidepressants. Poster presentation at the Australian Society for Medical Research, New Investigator Forum, Canberra, ACT, June 14, 2011.
166. Guo S, Mastronardi C, Paz-Filho G, Licinio J, **Wong ML**. Social hierarchy influences weight gain in mice fed with a high-fat diet. Poster presentation at the Australian Society for Medical Research, New Investigator Forum, Canberra, ACT, June 14, 2011.
167. Inserra A, Stojakovic A, Paz-Filho G, **Wong ML**, Mastronardi C. Caspase-1 Knockout mice appear to be resilient to depressive-like behavior. Oral presentation at the Australian Society for Medical Research, New Investigator Forum, Canberra, ACT, June 14, 2011.
168. Khan A, Arachchige RG, Mastronardi C, **Wong ML**, Licinio J, Paz-Filho G. Adipose tissue transplantation improves insulin sensitivity in leptin-deficient mice. Poster presentation at the Australian Society for Medical Research, New Investigator Forum, Canberra, ACT, June 14, 2011.
169. Arachchige RG, Khan A, Mastronardi C, **Wong ML**, Licinio J, Paz-Filho G. Effects of Adipose Tissue Transplantation on Weight, Locomotor Skills And Behaviour. Poster presentation at the Australian Society for Medical Research, New Investigator Forum, Canberra, ACT, June 14, 2011.
170. Mishra A, Parish C, **Wong ML**, Blackburn A, Licinio J. Neuroendocrine and inflammatory modulation of breast cancer. 24th Lorne Cancer Conference 2012, Lorne, Victoria, February 10, 2012.
171. Licinio J, **Wong ML**: Stress, depression, obesity and their interface. Plenary keynote presentation at the Cardinal Research: Obesity – Gut Hormone Conference, Gold Coast, Queensland, Australia, 5 October 2012, 08.28.2012.

172. Mishra AK, Blackburn AC, Parish CR, **Wong ML**, Licinio J: Leptin increases the metastatic potential of breast cancer cells. Poster Session, 25th Lorne Cancer Conference, Lorne, Victoria, 02.15. 2013.
173. Lee S, Mastronardi C, Paz-Filho G, Li R, Smith P, Licinio J, **Wong ML**. Understanding the long-term effect of weight gain induced by short-term exposure of antidepressants. The Endocrine Society's 95th Annual Meeting, San Francisco, June 2013. Poster selected for press conference and a talk at the Feature Poster Session, 16 June 2013. Press release at the eurekaalert.org (for Science): http://www.eurekaalert.org/pub_releases/2013-06/tes-sau061513.php
174. Stojakovic A, Inserra A, Paz-Filho G, Licinio J, **Wong ML**, Mastronardi C. Poster presentation at the 4th Iberoamerican Congress on Neuroimmunomodulation and the 1st Mexican Congress of Neuroimmunoendocrinology, Puebla, Mexico, Oct 29, 2013.
175. **Wong ML**, Dong C, Flores DL, Ehrhart-Bornstein M, Bornstein S, Arcos-Burgos M, Licinio J: Clinical and Pharmacogenetic Outcomes of a Double-blind Antidepressant Treatment Study. Poster presentation at the Australian Society for Medical Research, Adelaide, SA, Australia, June 4, 2014.
176. Inserra A, Mastronardi C, **Wong ML**, Licinio J: Caspase-1 Deficient Mice Have Increased Locomotor Activity and Are Less Anxious. Poster session at the European College of Neuropsychopharmacology (ECNP), Berlin, Germany, Oct 21, 2014.
177. Lee S, Mastronardi C, Lewis M, Licinio J, **Wong ML**: The Relationship of a Short-Term Exposure to Chronic Stress with Antidepressant Medication and Increased Body Weight in a Rodent Model. Poster presentation at the Australasian Society for Psychiatric Research (ASPR) 2014 Conference, Adelaide, SA, Australia, 03/12/2014
178. **Wong ML**, Dong C, Flores DL, Ehrhart-Bornstein M, Bornstein S, Arcos-Burgos M, Licinio J: Clinical and Pharmacogenetic Outcomes of a Double-blind Antidepressant Treatment Study in Mexican-Americans. Poster session at the 53rd Annual Meeting of the American College of Neuropsychopharmacology (ACNP), Phoenix, AZ, USA, Dec 3, 2014.
179. **Wong ML**, Dong C, Flores DL, Ehrhart-Bornstein M, Bornstein S, Arcos-Burgos M, Licinio J: Clinical and Pharmacogenetic Outcomes of a Double-blind Antidepressant Treatment Study in Mexican-Americans. Poster session at the American Society of Clinical Psychopharmacology 2015 Annual Meeting, Miami, FL, USA, June 24, 2015.
180. Inserra A, Lewis M, Mastronardi CA, Rogers G, Leong L, Choo J, **Wong ML**, Licinio J: The Microbiota-Gut-Inflammasome-Brain (MGIB) Axis. Poster session at the 54th Annual Meeting of the American College of Neuropsychopharmacology (ACNP), Hollywood, FL, USA, Dec 8, 2015.
181. Lee S, Lewis M, Mastronardi CA, Li R, Smith P, Licinio J, **Wong ML**: The Stress-Antidepressant-Diet (SAD) Paradigm and Weight Gain. Poster session at the 54th Annual Meeting of the American College of Neuropsychopharmacology (ACNP), Hollywood, FL, USA, Dec 8, 2015.

182. Liu S, Lewis M, **Wong ML**, Licinio J. Evaluation of novel genetic and pharmacogenetic targets in depression. Australian Society of Medical Research (ASMR) Medical Research Week, SA Scientific Meeting, Adelaide, June 8th 2016.
183. Sampson E, Musker M, **Wong ML**. Trauma Informed Care: Linking Childhood Trauma and specific symptoms of major depressive disorder. ASMR Medical Research Week, SA Scientific Meeting, Adelaide, June 8th 2016.
184. Lees F, Lewis M, Licinio J, **Wong ML**. Investigating the effects of reducing inflammation through caspase-1 inhibition, using a transgenic mouse model of Alzheimer's disease. ASMR Medical Research Week, SA Scientific Meeting, Adelaide, June 8th 2016.
185. Musker M, **Wong ML**, Bidargaddi N, Licinio J. The development of an active online recruitment website for mental health research. ASMR Medical Research Week, SA Scientific Meeting, Adelaide, June 8th 2016, ECR Poster Presentation (Runner Up).
186. Inserra A, Lewis M, Mastronardi CA, Rogers G, Leong L, Choo J, **Wong ML**, Licinio J: The Microbiota-Gut-Inflammasome-Brain (MGIB) Axis. Poster session at the 14th Meeting of the Asian-Pacific Society for Neurochemistry, Kuala Lumpur, Malaysia, 27-30 August 2016.
187. Licinio J, Inserra A, Lewis M, Yu C, Mastronardi CA, Rogers G, Leong L, Choo J, Wesselingh S, **Wong ML**. Inflammasome activation in the brain: Impact on depressive-like behaviour. Poster session at the 55th Annual Meeting of the ACNP, Hollywood, FL, USA, Dec 5, 2016.
188. **Wong ML**, Lee S, E Dutcher, Lewis M, Mastronardi CA, Licinio J. Metabolic outcomes in response to chronic stress and antidepressant treatment. Poster session at the 55th Annual Meeting of the ACNP, Hollywood, FL, USA, Dec 6, 2016.
189. **Wong ML**, Lee S, Vincent A, Lewis M, Mastronardi CA, Licinio J. Antidepressants restore the long-lasting effects of stress on body weight, and those effects are associated to leptin levels. Poster session at the 56th Annual Meeting of the ACNP, Palm Springs, CA, USA, Dec 6, 2017.
190. **Wong ML**, Arcos-Burgos M, Licinio J. Antidepressant remission is associated with rare genetic variants. Late Breaking Poster session at the 73rd Annual Meeting of the Society of Biological Psychiatry, New York, NY, May 11, 2018.
191. **Wong ML**, Arcos-Burgos M, Licinio J. Antidepressant remission is associated with rare genetic variants. Poster session at the 18th Annual Biomedical Sciences Retreat, Upstate Medical University College of Graduate Studies. Skaneateles, NY, Sept 11, 2018.
192. **Wong ML**, Arcos-Burgos M, Licinio J. Antidepressant Response in Major Depressive Disorder and Rare Variants. Poster session at the 2018 World Congress of Psychiatric Genetics. Glasgow, UK, Oct 14, 2018.

193. **Wong ML**, Arcos-Burgos M, Licinio J. Rare genetic variants and antidepressant remission. Poster session at the 2018 Society for Neuroscience Annual Meeting. San Diego, CA, Nov 4, 2018.
194. **Wong ML**, Inserra A, Lewis MD, Licinio J. Mice lacking *Casp1*, *Ifngr* and *Nos2* genes display altered depressive- and anxiety-like behavior. Poster session at the 57th Annual Meeting of the ACNP, Hollywood, FL, USA, Dec 11, 2018.
195. Licinio J, Inserra A, Choo J, Lewis MD, Rogers GB, **Wong ML**. Lack of *Casp1*, *Ifngr* and *Nos2* genes alter depressive-, anxiety-like behavior and gut microbiota. Poster session at the 74th Annual Meeting of the Society of Biological Psychiatry, Chicago, IL, May 16, 2019.
196. Licinio J, Inserra A, Choo J, Lewis MD, Rogers GB, **Wong ML**. Lack of *Casp1*, *Ifngr* and *Nos2* genes alter depressive-, anxiety-like behavior and gut microbiota. Poster session at the American Psychiatric Association Meeting Annual Meeting 2019, San Francisco, CA, May 21, 2019.
197. Licinio J, Inserra A, Choo J, Lewis MD, Rogers GB, **Wong ML**. Lack of *Casp1*, *Ifngr* and *Nos2* genes alter depressive-, anxiety-like behavior and gut microbiota. Poster session at the American Psychiatric Association Meeting Annual Meeting 2019, San Francisco, CA, May 21, 2019.
198. Licinio J, Inserra A, Choo J, Lewis MD, Rogers GB, **Wong ML**. Deficiency of *Casp1*, *Ifngr* and *Nos2* genes alter depressive-, anxiety-like behavior and gut microbiota. Poster session at the 32nd European College of Neuropsychopharmacology, Copenhagen, Denmark, Sep 7, 2019.
199. Licinio J, Inserra A, Choo J, Lewis MD, Rogers GB, **Wong ML**. Lack of *Casp1*, *Ifngr* and *Nos2* genes alters behavior and Gut Microbiota. Poster session at the 58th Annual Meeting of the ACNP, Orlando, FL, USA, Dec 09, 2019.
200. **Wong ML**, Marwari S, Chin E, Ruan H, Ma Q, Lewis M, Licinio J. PHD finger 21B deficiency and anxiety- and depressive-like behaviors in mice. Poster session at the 59th Annual Meeting of the ACNP, Virtual Meeting, Dec 08, 2020.
201. Chin E, Ruan H, Ma Q, Licinio J, **Wong ML**. Deficits in learning and social memory in a *Phf21b*-mutant mouse model. Oral presentation at the SUNY UMU Beyond the Doctorate Research Day, Virtual Meeting, March 3, 2021.
202. Chin E, Ruan H, Ma Q, Licinio J, **Wong ML**. Caspase 1 regulates social defeat stress: A mechanism for the interface of immune mediators and depression. Poster session at the Nature Conferences, Chronic Disease and Mental Health, Virtual Conference, March 10-11, 2021.
203. Licinio J, Chin E, Ruan H, Ma Q, Lewis M, **Wong ML**. Behavioral assessment of a novel *Phf21b* knockdown mouse model. Poster presentation at the 2021 Society of Biological Psychiatry (SOBP) Virtual Annual Meeting, May 1, 2021.

204. Licinio J, Chin E, Ma Q, Ruan H, Chen J, **Wong ML**. Chronic stress regulation of spliceosome-associated protein CWC22 modulates hippocampal neuronal structure and function. Oral presentation at Session: Mood/Bipolar/Affective Disorders, 2021 World Congress of Psychiatric Genetics (WCPG), International Society of Psychiatric Genetics (ISPG), Virtual, 10.13.2021.
205. Licinio J, Chin E, Ruan H, Ma Q, **Wong ML**. Alternative Splicing Mechanisms in Chronic Stress. Poster presentation at the 60th Annual Meeting of the ACNP, Dec 5-8, 2021.