

2. EMPLOYMENT

Current Appointments

2018 - present	Staff Psychiatrist, Adult Neurodevelopment and Geriatric Psychiatry Division, Centre for Addiction and Mental Health Toronto, Ontario, Canada.
2018 - present	Associate Member, Institute of Medical Sciences, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada.
2006 - present	Staff Psychiatrist, Baycrest Health Sciences, Toronto, Ontario, Canada.
2006 - present	Clinician Scientist, Rotman Research Institute, Baycrest Health Sciences, Toronto, Ontario, Canada.
2006 - present	Assistant Professor, Division of Geriatric Psychiatry, Department of Psychiatry, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada.

Previous Appointments

CLINICAL

1989 Sep - Dec	Acupuncture Assistant (Co-op work term), Bathurst Pain Clinic, Toronto, Ontario, Canada. Supervisor(s): Dr. Richard Cheng
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HOSPITAL

2014 - 2016	Staff Psychiatrist, Geriatric Psychiatry Division, Centre for Addiction and Mental Health, Toronto, Ontario, Canada.
2000 - 2006	Staff Physician, Warren Grant Magnuson Clinical Center, National Institute of Health, Bethesda, Maryland, United States of America.
1999 - 2000	Staff Psychiatrist, Worcester State Hospital, Worcester, Massachusetts, United States.

RESEARCH

1991 May - Aug	Research Assistant (NSERC funded), Department of Psychology, University of Waterloo, Waterloo, Ontario, Canada. Supervisor(s): Dr. Phil Bryden
1987 Sep - 1988 Apr	Research Assistant (Co-op and part-time), Department of Psychology, University of Waterloo, Waterloo, Ontario, Canada. Supervisor(s): Dr. Kathleen Bloom

UNIVERSITY

1999 - 2000	Instructor in Psychiatry, Department of Psychiatry, University of Massachusetts Medical School, Worcester, Massachusetts, United States.
1997 - 1998	Assistant Chief Resident, Department of Psychiatry, Faculty of Medicine, McGill University, Montreal, Quebec, Canada.

WORK INTERRUPTIONS

2008 Jun - 2009 Jun	Medical leave of absence which significantly impacted my ability to conduct and disseminate research
2006 Jul - 2006 Oct	Relocation from United States
2004 Nov - 2005 May	Maternity leave during my research fellowship training which significantly impacted my ability to conduct and disseminate research

3. HONOURS AND CAREER AWARDS

Distinctions and Research Awards

INTERNATIONAL

- 2005 **Career Development Award**, American Neuropsychiatric Association, Houston, Texas, United States of America. (Distinction, Specialty: Neuropsychiatry)
Recognizes a neuropsychiatry, behavioral neurology, or neuropsychology advanced trainee or faculty member within 5 years of completion of his/her post-graduate education whose outstanding accomplishments offer promise of a successful career in neuropsychiatry and the clinical neurosciences.
- 2004 **Travel Award**, Wisconsin Symposium on Emotion, HealthEmotions Research Institute, University of Wisconsin, Madison, Wisconsin, United States of America. (Distinction, Specialty: Affective Neuroscience)
- 2003 **Travel Award**, Wisconsin Symposium on Emotion, HealthEmotions Research Institute, University of Wisconsin, Madison, Wisconsin, United States of America. (Distinction, Specialty: Affective Neuroscience)
- 2001 **Travel Award**, 14th annual Cognitive Neuroscience Summer Institute ("Brain Camp"), Dartmouth College, Hanover, New Hampshire, United States of America. (Distinction, Specialty: Cognitive Neuroscience).
- 2002 **Young Investigator Award**, American Neuropsychiatric Association, Houston, Texas, United States of America. (Distinction, Specialty: Neuropsychiatry)
Award is based on the quality of the abstract submission and projected ability to contribute to the field of neuropsychiatry. Total Amount: 750 USD
- 1999 **Travel Award**, Research Colloquium for Junior Psychiatrists, American Psychiatric Association, Washington, D.C., United States of America.
Recognizes beginner- or intermediate-level early research career psychiatrist investigators who are residents, fellows, or junior faculty and APA members with an interest and potential in developing a research career (Distinction, Specialty: Psychiatry). Total Amount: 1000 USD
- 1998 **William Webb Fellow**, Fellow, Academy of Psychosomatic Medicine, Bethesda, Maryland, United States of America. (Distinction, Specialty: Consultation-Liaison Psychiatry)
Fosters the career development and leadership potential of advanced psychiatry residents and psychosomatic medicine fellows.

NATIONAL

- 1991 **NSERC Summer Research Award**, Department of Psychology, University of Waterloo, Waterloo, Ontario, Canada. (Distinction, Specialty: Cognitive Psychology)

LOCAL

- 2018 **Academic Scholar Award**, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada. (Distinction, Specialty: Psychiatry). *Total Amount: 150,000 CAD*
- 2007 **Best Poster Award**, Harvey Stancer Research Day, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada. (Distinction, Specialty: Psychiatry). *Total Amount: 500 CAD*
- 2005 **Fellows Award for Research Excellence**, Fellow, National Institute of Mental Health, National Institutes of Health, Bethesda, Maryland, United States of America. (Distinction, Specialty: Psychiatry)
- 1993 **Joseph Albert Award for Elective Study at Centres of Excellence**. Faculty of Medicine, University of Calgary, Calgary, Alberta, Canada. (Distinction, Specialty: Child Psychiatry).
- 1989 **R.H. Walters Scholar Award for Academic Excellence**. Department of Psychology, University of Waterloo, Waterloo, Ontario, Canada. (Distinction, Specialty: Psychology). HealthEmotions Research Institute

Student/Trainee Awards

INTERNATIONAL

2018 Jul **Travel Fellowship Award**, Geriatric Psychiatry, Primary Supervisor, Awardee Name: Sarah Elmi. Alzheimer's Association International Conference, Chicago, Illinois, United States of America.

NATIONAL

2019 May **Biotalent Canada Award**, Primary Supervisor, Awardee Name: Sylvia Beda. Student Work-Placement Program (SWPP), Ottawa, Ontario, Canada. *The SWPP is an initiative to increase the job-readiness of students registered in STEM or business programs at Canadian post-secondary institutions with a focus of supporting under-represented groups including Women in STEM (Science, technology, engineering, and mathematics).*

2019 May **Biotalent Canada Award**, Primary Supervisor, Awardee Name: Momina Ahmed. Student Work-Placement Program (SWPP), Ottawa, Ontario, Canada. *The SWPP is an initiative to increase the job-readiness of students registered in STEM or business programs at Canadian post-secondary institutions with a focus of supporting under-represented groups including Women in STEM (Science, technology, engineering, and mathematics).*

2013 Sep **Best Poster Award**, Geriatric Psychiatry, Primary Supervisor, Awardee Name: Alva Tang. Annual Meeting of the Canadian Academy of Geriatric Psychiatry, Ottawa, Ontario, Canada.

LOCAL

June 2019 **Best Poster Award in Geriatric Psychiatry**, Primary Supervisor, Awardee Name: Namita Sharma. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada.

May 2019 **Summer Research Undergraduate Program Award**, Primary Supervisor, Awardee Name: Namita Sharma. University of Toronto Institute of Medical Sciences, Toronto, Ontario, Canada.

April 2019 **Fellow Travel Award**, Primary Supervisor, Awardee Name: Mirjam Mulder-Heijstra. Postgraduate Medical Education, Faculty of Medicine, University of Toronto, Toronto, Ontario, Canada.

May 2017 **Research in Print Award**, Geriatric Psychiatry, Primary Supervisor, Awardee Name: Saba Shahab. Baycrest Health Sciences, Toronto, Ontario, Canada.

May 2017 **Research in Print Award**, Geriatric Psychiatry, Primary Supervisor, Awardee Name: Diana Nicolici. Baycrest Health Sciences, Toronto, Ontario, Canada.

4. PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Professional Associations

2018 - present **Member**, Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)

2018 - present **Member**, Organization for Human Brain Mapping

2018 - present **Member**, Federation of Medical Women of Canada

2015 - present **Member**, Canadian Association for Geriatric Psychiatry

2010 - 2016 **Member**, Society for Biological Psychiatry

2007 - present **Member**, American Association of Geriatric Psychiatry

2004 - present **Member**, Society for Neuroscience

2002 - 2006 **Member**, Cognitive Neuroscience Society

1998 - 2006 **Member**, American Neuropsychiatric Association

Linda MAH

Administrative Activities

INTERNATIONAL

American Neuropsychiatric Association

2000 - 2006 **Member**, Program Committee. Houston, Texas, United States of America.
1998 - 2005 **Member**, Education Committee. Houston, Texas, United States of America.

Academy of Psychosomatic Medicine

1998 - 1999 **Member**, Fellowships and Awards Committee. Bethesda, Maryland, United States of America.

NATIONAL

Canadian Association for Geriatric Psychiatry

2015 - present **Member**, Research Committee. Markham, Ontario, Canada.

Canadian Psychiatric Association

1996 - 1997 **Corresponding Member**, Efficacy and Cost-effectiveness Working Group, Steering Committee on the Psychotherapies. Ottawa, Ontario, Canada.

LOCAL

Baycrest Health Sciences

2019 - present **Member**, Medical Assistance in Dying (MAiD) Resource Team, Toronto, Ontario, Canada.
2018 - present **Member**, Central Triage Working Group, Toronto, Ontario, Canada.
2011 - present **Member**, Department of Psychiatry Academic Fund Development Committee, Toronto, Ontario, Canada.
2010 - 2017 **Member**, Pharmacy and Therapeutics Committee, Toronto, Ontario, Canada.
2011 - 2012 **Member**, Baycrest Chief of Psychiatry/Rotman Chair in Neuropsychiatry Search Committee, University of Toronto Faculty of Medicine, Division of Geriatric Psychiatry, Toronto, Ontario, Canada.
2011 **Co-Chair**, Inaugural Conference of the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit, Toronto, Ontario, Canada.

Peer Review Activities

EDITORIAL BOARDS

2020 January Associate Editor, Journal of Alzheimer's Disease (**see attached letter*)

GRANT REVIEWS

Internal/Committee Member

2019 Mar Alzheimer's Society of Canada, Number of Reviews: 11
2018 Aug Scottish Charitable Foundation of Canada, Number of Reviews: 8
2017 Aug Scottish Charitable Foundation of Canada, Number of Reviews: 6
2016 Mar Alzheimer's Society of Canada, Number of Reviews: 19

External Reviewer

2018 Nov Canadian Institutes of Health Research (CIHR), Biological and Clinical Aspects of Aging committee (BCA), Project Grant: Fall 2018 competition, Number of Reviews: 1
2018 Jan Alzheimer's Society (UK), Number of Reviews: 1

Linda MAH

2012 – 2013 Alzheimer's Association (USA), Number of Reviews: 6
2009 Jul Scottish Rite Charitable Foundation of Canada, Number of Reviews: 1

SCHOLARSHIP REVIEWS

Internal/Committee Member

2015 May Finkler, Wiseman, and Men's Service Group Fellowship Programs, Rotman Research Institute, Baycrest Health Sciences, Number of Reviews: 15
2011 July Finkler and Wiseman Fellowship Programs, Rotman Research Institute, Baycrest Health Sciences, Number of Reviews: 16

MANUSCRIPT REVIEWS

Reviewer

2019 May Psychiatric Research, Number of Reviews: 1
2019 Jan J Neurology, Neurosurgery, and Psychiatry, Number of Reviews: 1
2019 Jan J Neuropsychiatric Disease and Treatment, Number of Reviews: 1
2018 Nov Neurobiology of Stress, Number of Reviews: 1
2018 Nov J Geriatric Psychiatry and Neurology, Number of Reviews: 1
2018 Sept J Geriatric Psychiatry and Neurology, Number of Reviews: 1
2018 Aug Neurobiology of Stress, Number of Reviews: 1
2018 Aug Neuropsychiatric Disease and Treatment Number of Reviews: 1
2018 Jun Applied Neuropsychology: Adult, Number of Reviews: 1
2018 Apr Motivation and Emotion, Number of Reviews: 1
2018 Apr Journal of Clinical Epidemiology, Number of Reviews: 1
2017 Jul International Psychogeriatrics, Number of Reviews: 1
2017 Feb - present Journal of Alzheimer's Disease, Number of Reviews: 3
2015 May - Oct Psychiatry Research, Number of Reviews: 2
2014 Dec American Journal of Geriatric Psychiatry, Number of Reviews: 1
2014 Apr Journal of Affective Disorders, Number of Reviews: 1
2012 Jan Journal of the Canadian Academy of Child and Adolescent Psychiatry, Number of Reviews: 1
2010 Apr Neuroscience and Biobehavioral Reviews, Number of Reviews: 1
2007 Mar - 2012 Jun Journal of Neuropsychiatry and Clinical Neurosciences, Number of Reviews: 6
2007 Feb Neuroimage, Number of Reviews: 1
2007 Sep Psychiatry Research – Neuroimaging, Number of Reviews: 1

C. Academic Profile

1. RESEARCH STATEMENTS (citation counts from Scholar, 2019 Jul 30)

2004 – 2019 **The role of the prefrontal cortex in social cognition, emotion regulation, and mood disorders.**

Using behavioural paradigms in frontal lobe patients and functional magnetic resonance imaging (fMRI) in healthy subjects, my work at NIH demonstrated that the medial prefrontal cortex (mPFC) plays a key role in interpreting social interactions and in mediating stereotypic attitudes (Mah et al. 2004, Am J Psych, **152 citations**); Knutson, Mah et al. 2007, Human Brain Mapping, **150 citations**). The mPFC is also implicated in bipolar depression, as observed in a FDG PET study which showed hypermetabolism of orbitofrontal cortex and amygdala (Mah et al. 2007, Biol Psych, **102 citations**) and MRI which showed structural abnormalities in similar brain regions (Nugent, Milham, Bain, Mah et al. 2006, NeuroImage, **203 citations**). Greater amygdalar responses and reduction of mPFC activity towards negative emotional information has been

shown in both mid- and late-life depression (LLD; Mah et al. 2006, 2008, Soc Neurosci; Mah et al, 2010, Am J Geri Psych, **10 citations**). These findings suggested that dysregulation of emotion in mood disorders may arise from decreased ability of the mPFC to downregulate limbic responses.

2012 – 2019

Emotion dysregulation as a behavioural endophenotype for preclinical Alzheimer’s disease (AD).

My work in geriatric psychiatry, together with the published literature on depression as a risk factor for AD and neuropathological staging of AD, prompted the hypothesis that emotion dysregulation is an early manifestation of AD. We showed that similar to LLD, non-depressed aMCI subjects exhibit hyperresponsiveness of the amygdala when viewing negative emotional information (Tang, Anderson, Kiani, Verhoeff, Pollock & Mah, 2013, CAGP, **Best Poster Award**). Using ADNI data, we reported that anxiety symptoms in aMCI accelerate progression towards AD and increase the rate of atrophy of the entorhinal cortex, a limbic region well-established as a structural biomarker of AD (Mah et al. 2015, Am J Geri Psych, **55 citations**) and subsequently I was invited to submit a review on the impact of stress and anxiety on the brain (Mah et al. 2016, Current Opinion in Psychiatry, **51 citations**). My hypothesis of impaired emotion regulation in preclinical AD led to the Emotional Verbal Learning Test (EVeLT) which I developed, as a potential cognitive screening instrument for AD risk. We recently published findings of impaired positive emotional memory using the EVeLT in aMCI (Mah et al, 2017, Am J Geri Psych, **4 citations**), and completed an Alzheimer’s Society of Canada-funded study in older adults with Subjective Cognitive Decline (SCD), currently conceptualized as a preclinical phase of AD. Preliminary analyses suggest that SCD participants recall fewer positive words compared to negative (Mah et al. 2017, AAIC). At present, we are validating the EVeLT as a potential screening tool of AD risk using PET amyloid imaging in older adults with SCD. This focus on the amygdala and emotion as a potential behavioural endophenotype for preclinical AD shifts AD research towards a novel and little explored direction.

2014-2019

Brain stimulation for treatment of neurodegenerative conditions.

More recently, I have developed a focus in application of brain simulation in treatment of older adults at risk for developing Alzheimer’s disease. I am site PI for a study of transcranial direct current stimulation (tDCS) combined with cognitive remediation for treatment of older adults with remitted depression, mild cognitive impairment (MCI), or a combination of depression and MCI (“PACt-MD study”) and its effect on cognitive decline. This study is led by CAMH and funded by Brain Canada. I am also leading a clinical trial of “deep” transcranial magnetic stimulation (dTMS) to treat depression in older adults with mild to moderate AD in collaboration with Dan Blumberger at CAMH and Jed Meltzer at RRI. Deep TMS is a technology designed to better reach areas of the aging brain that are not accessible using a standard TMS coil due to atrophy associated with normal aging. Given that antidepressant treatments are consistently demonstrated to be ineffective in treating depression in patients with AD, and instead, may be associated with serious adverse effects, this study of dTMS may identify a novel intervention for AD patients with comorbid depression, which may be present in up to 70% of AD patients. This study is funded by the Centre for Aging and Brain Health Innovation (CABHI).

D. Research Funding

1. GRANTS, CONTRACTS AND CLINICAL TRIALS

PEER-REVIEWED GRANTS

CURRENT FUNDING

2019 May - 2021 April

Principal Investigator. Building resilience to modify risk of developing Alzheimer’s. Ontario Ministry of Health and Long-Term Care Academic Health Sciences Centre, AFP Innovation Fund. Principal Investigator: **Mah, Linda**. Co-investigator: Janet Murchison. 50,000 CAD. [Grant].

Linda MAH

- 2018 Jan - 2019 Dec **Principal Investigator.** Treatment of comorbid depression and cognitive impairment in older adults with Alzheimer's disease using deep transcranial magnetic stimulation (dTMS). Centre for Aging and Brain Health Innovation. Principal Investigator(s): **Mah, Linda**, Meltzer, Jed. Co-investigators: Daniel Blumberger, Gaby Pell, Jean Chen, Paul Verhoeff, Susan Vander Morris, Yiftach Roth. 500,000 CAD (250,000 in-kind). [Grant].
- 2017 Sep - 2019 Dec **Principal Investigator.** Establishing Concurrent and Predictive Validity of a Novel Emotional Memory Screening Test to Detect Preclinical Alzheimer's Disease. Centre for Aging and Brain Health Innovation. Principal Investigator(s): **Mah, Linda**, Graff-Guerrero, Ariel. Co-investigators: Vincenzo De Luca, Sid Feldman; Nathan Herrmann, Robert Madan, Benoit Mulsant, Gili Rosen, David Streiner, Susan Vander Morris, Thirumagal Yogaparan. 600,000 CAD. [Grant].
- 2016 Aug - 2021 Aug **Site Principal Investigator.** Optimizing Outcomes in Treatment-Resistant Depression in Older Adults. PCORI. Principal Investigator: Lenze, Eric. Toronto Site Principal Investigators: Benoit Mulsant, **Linda Mah**, Daniel Blumberger, Alastair Flint, Peter Selby, Corinne Fischer, Damien Gallagher. Overall budget 17M USD; Toronto budget 1.7M USD; Baycrest Budget: 79,000 CAD. [Grant].
- 2015 Jul – 2020 March **Site Principal Investigator.** Prevention of Alzheimer's Dementia in High Risk Populations: a Randomized Controlled Trial of a Combination of Cognitive Remediation and Brain Stimulation. Brain Canada MIRI grant. Principal Investigator(s): Mulsant, Benoit. Co-Principal Investigator(s): Tarek Rajji, Nathan Herrmann, Bruce Pollock. Site Principal Investigators: Alastair Flint, Corinne Fischer, **Linda Mah**. Overall budget \$9,996,087 CAD. Baycrest budget: 411,195.51 CAD. [Grant].

COMPLETED FUNDING

- 2017 Jul - 2019 June **Principal Investigator.** Take a Breather: Development of a User-friendly Stress Management Intervention for Older Adults to Improve Emotional, Cognitive, Physical Health Outcomes. Ontario Ministry of Health and Long-Term Care Academic Health Sciences Centre, AFP Innovation Fund. Principal Investigator: **Mah, Linda**. Co-investigator: Janet Murchison. 50,000 CAD. [Grant].
- 2018 Feb - 2019 Jan **Principal Investigator.** Validation of a subjective memory assessment tool (SuMA) to identify older adults at risk for Alzheimer's disease. Centre for Aging and Brain Health Innovation. Principal Investigator: **Mah, Linda**. Co-Applicant: Susan Vander Morris. 50,000 CAD. [Grant].
- 2015 Nov - 2018 Oct **Co-Investigator.** The Toronto Dementia Research Alliance (TDRA) Dementia Clinical Research Database: A Platform in Neurodegenerative Diseases. Brain Canada. Principal Investigator: Freedman, Morris. Co-Investigator: **Linda Mah**. 2,999,950 CAD. [Grant].
- 2015 Jul - 2017 Jun **Principal Investigator.** Development of an Emotional Memory Screening Tool for Preclinical Alzheimer's disease. Alzheimer's Society of Canada. Principal Investigator: **Mah, Linda** Collaborator(s): David Streiner, Bruce Pollock, Morris Freedman. Co-(s): Nicole Anderson, Nathan Herrmann, Paul Verhoeff, Sandra Black, Jean Chen. 150,000 CAD. [Grant].
- 2015 Jul - 2016 Jun **Principal Investigator.** Development of an emotional memory screening test to detect subjective cognitive impairment due to preclinical Alzheimer's disease. Ontario Ministry of Health and Long-Term Care. Academic Health Science Centres AFP Innovation Fund. Principal Investigator: **Mah, Linda**. Collaborator(s): Bruce Pollock, Morris Freedman, Nathan Herrmann, Nicole Anderson, Paul Verhoeff, David Streiner. 25,000 CAD. [Grant].
- 2015 May - 2016 Apr **Principal Investigator.** Development of a cognitive screening tool for preclinical Alzheimer's disease. University of Toronto Department of Psychiatry Excellence Funds. Principal Investigator: **Mah, Linda**. Collaborator(s): Nathan Herrmann, Morris Freedman, Nicole Anderson, David Streiner, Paul Verhoeff. 10,000 CAD. [Grant].
- 2013 - 2014 **Principal Investigator.** Lithium as an adjunct to cognitive rehabilitation in amnesic mild cognitive impairment. Ontario Ministry of Health and Long-Term Care. Academic Health Science Centres AFP Innovation Fund. Principal Investigator: **Mah, Linda**. Collaborator(s):

Linda MAH

Nathan Herrmann, Krista Lanctot, Paul Verhoeff. 12,500 CAD. [Grant].

2012 - 2013

Principal Investigator. Development of a 'Rehab Readiness' Clinical Assessment Protocol for Inpatient Rehabilitation. Ontario Medical Association/Ministry of Health and Long-Term Care. Academic Health Science Centres AFP Innovation Fund. Principal Investigator: **Mah, Linda**. 25,000 CAD. [Grant].

2011

Principal Applicant. International Scientific Conference on Emotion. Publications, Conferences & Other Public Events, Ontario Mental Health Foundation. Co-applicant: Ryan, Jennifer. 2500 CAD. [Grant].

2011

Co-Applicant. International Scientific Conference on Emotion. Canadian Institutes of Health Research (CIHR). Principal Investigator: Ryan, Jennifer. Co-Applicant: **Linda Mah**. 8,750 CAD. [Grant].
Meetings, Planning and Dissemination Grant: Neurosciences, Mental Health and Addiction.

2009 - 2012

Principal Investigator. Neural substrates of emotional processing in mild cognitive impairment and late-life depression. Scottish Rite Charitable Foundation of Canada. Principal Investigator: **Mah, Linda**. 103,484 CAD. [Grant].

2007 - 2011

Principal Investigator. Functional magnetic resonance imaging study of emotional processing in late-life depression. University of Toronto. Dean's Fund New Staff Grant, Faculty of Medicine. Principal Investigator: **Mah, Linda**. 10,000 CAD. [Grant].

2007 - 2009

Collaborator. Behavioural and Neural Effects of Recollection Training in Amnesic Mild Cognitive Impairment. Alzheimer Society of Canada. Principal Investigator: Anderson, Nicole D. Co-Investigator(s): Cheryl Grady, Janine Jennings, Roberto Cabeza, Simon Graham. Collaborator(s): **Linda Mah**. 114,174 CAD. [Grant].

NON-PEER-REVIEWED GRANTS

CURRENT FUNDING

2018 - 2019

Principal Investigator. Development of an implicit association test to study the speaker gender gap or the "Matilda effect". Baycrest Centre for Geriatric Care. Baycrest Department of Psychiatry Academic Development Fund. Principal Investigator: **Mah, Linda**. Co-Investigator(s): Susan Lieff. 13,000 CAD. [Grant].

COMPLETED FUNDING

2016 - 2017

Principal Investigator. Effect of citalopram on QTc prolongation in geriatric patients. Baycrest Centre for Geriatric Care. Baycrest Centre for Geriatric Care. Baycrest Department of Psychiatry Academic Development Fund. Principal Investigator: **Mah, Linda**. Co-Investigator(s): Robert Madan, Shelly Veinish, David Myran. 13,000 CAD. [Grant].

2015-2016

Collaborator. A double-blind pilot trial of the effect of ketamine vs. active placebo on suicidal ideation in depressed inpatients with major depressive disorder or bipolar depression. Dr. Brenda Smith Bipolar Fund. Principal Investigator: Sinyor, Mark. Collaborator(s): **Linda Mah**. 15,000 CAD. [Grant].

2012 - 2013

Principal Investigator. Validating functional magnetic resonance imaging techniques to assess effects of age on neural circuitry. Baycrest Centre for Geriatric Care. Baycrest Department of Psychiatry Academic Development Fund. Principal Investigator: **Mah, Linda**. 13,956 CAD. [Grant].

2012 - 2013

Principal Investigator. The effects of brief cognitive training on cognition and mood symptoms in late-life depression: A pilot study. Baycrest Centre for Geriatric Care. Baycrest Department of Psychiatry Academic Development Fund. Principal Investigator: **Mah, Linda**. 9,000 CAD. [Grant].

2009 - 2011

Co-Investigator. Attitudes towards complementary and alternative medicine in geriatric palliative care patients. Baycrest Centre for Geriatric Care. Baycrest Department of Psychiatry Academic Development Fund. Principal Investigator: Grief, Cindy. Co-Investigator(s): **Linda Mah**. 10,000 CAD. [Grant].

2. SALARY SUPPORT AND OTHER FUNDING

Personal Salary Support

- 2017 Sep - 2019 Mar Establishing Concurrent and Predictive Validity of a Novel Emotional Memory Screening Test to Detect Preclinical Alzheimer's Disease. Centre for Aging and Brain Health Innovation. 100,000 CAD. Toronto, Ontario, Canada. (Specialty: Geriatric Psychiatry).
- 2018-2020 Academic Scholar Award, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. (Specialty: Psychiatry, Distinction). 150,000 CAD.

Trainee Salary Support

- 2018 July - 2019 June Establishing Concurrent and Predictive Validity of a Novel Emotional Memory Screening Test to Detect Preclinical Alzheimer's Disease. Trainee Name: Mirjam Mulder-Heijstra. Centre for Aging and Brain Health Innovation. 40,000 CAD. Toronto, Ontario, Canada. (Specialty: Part-time Geriatric Psychiatry Fellow).
- 2017 July - 2018 June Prevention of Alzheimer's Dementia in High Risk Populations: a Randomized Controlled Trial of a Combination of Cognitive Remediation and Brain Stimulation. Trainee Name: Sarah Elmi. Brain Canada MIRI Grant. 50,000 CAD. Toronto, Ontario, Canada. (Specialty: Geriatric Psychiatry Fellow).

E. Publications

TOTAL NUMBER OF CITATIONS = 938 (SCHOLAR, JULY 30, 2019)
H-INDEX = 11 (GOOGLE SCHOLAR)
H-INDEX = 9 (SCOPUS)

1. MOST SIGNIFICANT PUBLICATIONS

1. Yuen, K., Rashidi-Ranjbar, N., Verhoeff, N.P.L.G., Kumar, S., Gallagher, D., Flint, A.J., Herrmann, N., Pollock, B.G., Mulsant, B.H., Rajji, T.K., Voineskos, A.N., Fischer, C.E., & **Mah, L.**, for PACt-MD Study Group. Association between sleep disturbances and medial temporal lobe volume in older adults with mild cognitive impairment free of lifetime history of depression. *Journal of Alzheimer's Disease*. 2019; 69(2):413-421. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31104028>. Impact Factor 3.476. Trainee publication, Kimberley Yuen, B.Sc, Primary Supervisor). **Senior Responsible Author.**

This publication, led by my trainee, is noteworthy because it is the first to report, in a sample of older adults with mild cognitive impairment (MCI), an association between changes in sleep behavior and medial temporal lobe (MTL) volume, a robust neuroimaging biomarker of Alzheimer's disease. The study is also noteworthy from a methodological point of view. Because depression and other psychiatric illnesses are known to be associated with atrophy of the medial temporal lobe on MRI, MCI participants were carefully screened using psychiatric assessments (psychiatric interview and Structured Clinical Interview for DSM) to exclude the possibility of the presence of remitted or past history of psychiatric illness accounting for, or contributing to, the association between sleep disturbance and reduced MTL. We are unaware of any other published studies focused on neuropsychiatric symptoms in MCI that have conducted comprehensive assessments to screen for past psychiatric history in their samples. Our findings extend epidemiological data that suggest sleep disturbance is a risk factor for development of Alzheimer's disease by identifying a potential neuroanatomical mechanism. Our findings also support the possibility that variability in at least some types of neuropsychiatric symptoms, such as sleep disturbance, contributes to variation in MTL volume in MCI, and may account for the inconsistent reporting of MTL atrophy in MCI, particularly with respect to the non-amnesic subtype of MCI.

2. **Mah, L.,** Anderson, N.D., Verhoeff, N.P.L.G. & Pollock, B.G. Negative Emotional Verbal Memory Biases in Mild Cognitive Impairment and Late-Onset Depression. *American Journal of Geriatric Psychiatry*. 2017; 25(10):1160-1170. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28595749>. Impact Factor 3.480. **Principal Author.**

In this article, I propose an original hypothesis of emotion dysregulation as a potential marker of preclinical Alzheimer's disease (AD) and evaluate this hypothesis using a cognitive screening test that I developed, the Emotional Verbal Learning Test (EVeLT). This hypothesis was based on my clinical observations of increased anxiety in older adults with mild cognitive impairment (MCI) without previous diagnoses of mood or anxiety disorders, the literature on the well-established associations between neuropsychiatric symptoms such as depression and anxiety and increased risk of future AD, and pathological staging of AD which is characterized by early and preferential targeting of limbic regions of the brain. Using a wordlist that consisted of personality adjectives on the EVeLT, we showed for the first time that older adults with amnesic MCI were impaired in recall of positive, but not negative or neutral, adjective words. I developed the study concept, carried out the study, conducted the analyses, and wrote the entire manuscript. The article was published in the *American Journal of Geriatric Psychiatry*, the highest ranking journal in the field of geriatric psychiatry.

3. **Mah, L.,** Szabuniewicz, C. & Fiocco, A.J. Can anxiety damage the brain? *Current Opinion in Psychiatry*. 2016; 29(1): 56-63. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/26651008>. Impact Factor 4.020. **(Trainee publication, Claudia Szabuniewicz, Research Assistant, Primary Supervisor). Principal Author.**

I was invited to submit a review on the topic of "Does anxiety damage the brain?" to *Current Opinion in Psychiatry* following my publication of a study which demonstrated that anxiety in older adults with MCI impacted on risk of AD and contributed to greater atrophy of the medial temporal lobe region, a robust structural biomarker of future cognitive decline (Mah et al., 2015, *AJGP*). This paper provided a novel opportunity to synthesize and apply my expertise in cognitive and affective neuroscience to the field of AD research and has been cited 51 times since its publication in 2016. One of the co-authors, Claudia Szabuniewicz, was a research assistant working with me. She conducted a literature search and prepared an early draft and I completed the final manuscript with input from A Fiocco, an expert in stress research.

4. **Mah, L.,** Binns, M.A. & Steffens, D.C. Anxiety symptoms in amnesic mild cognitive impairment are associated with medial temporal atrophy and predict conversion to Alzheimer disease. *American Journal of Geriatric Psychiatry*. 2015; 23(5): 466-76. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/25500120>. Impact Factor 4.235. **Principal Author.**

In this study, we demonstrated that anxiety significantly increased risk of conversion to AD in individuals with mild cognitive impairment (MCI) independently of levels of depression or cognitive impairment. We also showed for the first time that anxiety in MCI was associated with greater rates of atrophy of the entorhinal cortex. These findings suggested anxiety may be a non-cognitive early manifestation of AD risk. This research was featured in <http://www.theglobeandmail.com/life/health-and-fitness/health/anxiety-may-accelerate-slide-into-alzheimers/article21573491/> and the Ontario Medical Association's Reading List for physicians <http://www.ontariosdoctors.com/todays-reading-list-can-anxiety-accelerate-slide-into-alzheimers/>. The paper has been cited 42 times since its 2015 publication in the highest-ranking journal in the field of geriatric psychiatry. I developed the idea for the study, contributed to the statistical approach, and wrote the manuscript.

5. **Mah, L.,** Zarate, C.A. Jr., Singh, J., Duan, Y.F., Luckenbaugh, D.A., Manji, H.K. & Drevets, W.C. Regional cerebral glucose metabolic abnormalities in bipolar II depression. *Biological Psychiatry*. 2007; 61(6): 765-75. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/17027930>. Impact Factor 8.456. **Principal Author.**

This is a PET study conducted during the final year of my fellowship at NIH and was a companion study to the clinical trial of pramipexole for bipolar II depression (Zarate et al 2004, *Biological Psychiatry*). We used 18F-fluorodeoxyglucose positron emission tomography (FDG PET) study to demonstrate, for the first time, cerebral metabolic abnormalities specific to bipolar II depression. This was followed by a subsequent paper (Mah et al 2011, *Int J Neuropsychopharm*) which reported that patients treated with pramipexole showed normalization of cerebral glucose metabolism in regions that were hypermetabolic at baseline. Given the inherent challenges in recruiting bipolar II patients for imaging, these publications remain the only studies demonstrating cerebral metabolic abnormalities at baseline and following pramipexole in bipolar II depression. Because of our striking clinical and neural findings, I subsequently treated a geriatric patient with treatment-refractory bipolar II depression in my clinic using pramipexole. The treatment was successful and we reported the success of the treatment (Mah & Conn, 2019, *Am J Geri Psych*). These publications highlight the tremendous "bench to bedside" potential of my research.

2. PEER-REVIEWED PUBLICATIONS

Journal Articles

1. Armstrong, S.E.M., Brown, H.K., Shorey, C., Madan, R., Szabuniewicz, C., Koh, S., Crépeau-Gendron, G., & **Mah, L.** No association between trazodone and QTc prolongation in older adults. *J Clinical Psychopharmacology*. In Press. Impact Factor 3.134. (Trainee publication, Sabrina Armstrong, B.Sc., Primary Supervisor). **Senior Responsible Author.**
2. **Mah, L.**, Swearer, J., Phillips, C.A., & Benjamin, S. Reduction of apathy following epilepsy surgery. *Neuropsychiatric Diseases and Treatment*. 2019; 15:1679-1684. Available from: <https://doi.org/10.2147/NDT.S189603>. Impact Factor 2.228. **Principal Author.**
3. Brown, E.E., Rashidi-Ranjbar, N., Caravaggio, F., Gerretsen, P., Pollock, B.G., Mulsant, B.H., Rajji, T.K., Fischer, C.E., Flint, A., **Mah, L.**, Herrmann, N., Bowie, C.R., Voineskos, A.N., & Graff-Guerrero, A., for the PACt-MD Study Group. Brain amyloid PET tracer delivery is related to white matter integrity in patients with mild cognitive impairment. *Journal of Neuroimaging*. 2019; Jul 3. doi: 10.1111/jon.12646. [Epub ahead of print]. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31270885>. Impact Factor 2.080. (Trainee publication, Eric Brown, M.D., Clinical Fellow of A. Graff-Guerrero). **Collaborator.**
4. Yuen, K., Rashidi-Ranjbar, N., Verhoeff, N.P.L.G., Kumar, S., Gallagher, D., Flint, A.J., Herrmann, N., Pollock, B.G., Mulsant, B.H., Rajji, T.K., Voineskos, A.N., Fischer, C.E., & **Mah, L.**, for PACt-MD Study Group. Association between sleep disturbances and medial temporal lobe volume in older adults with mild cognitive impairment free of lifetime history of depression. *Journal of Alzheimer's Disease*. 2019; 69(2):413-421. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31104028>. Impact Factor 3.476. Trainee publication, Kimberley Yuen, B.Sc, Primary Supervisor). **Senior Responsible Author.**
5. Crépeau-Gendron, G., Veinish, S., Brown, H., Shorey, C., Szabuniewicz, C., Koh, S., Madan, R., & **Mah, L.** Association between Citalopram, Escitalopram and QTc prolongation in a real-world geriatric setting. *J Affective Disorders*. 2019; 250:341-345. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30877856>. Impact Factor 3.786. (Trainee publication, Gabrielle Crépeau-Gendron, M.D., FRCPC, Primary Supervisor). **Senior Responsible Author.**
6. Goodman, M.S., Zomorodi, R., Kumar, S., Barr, M.S., Daskalakis, Z.J., Blumberger, D.M., Fischer, C.E., Flint, A.J., **Mah, L.**, Herrmann, N., Pollock, B.G., Bowie, C.R., Mulsant, B.H., & Rajji, T.K., and PACt-MD Study Group. Stimulus and performance-specific modulation of theta and alpha powers in Alzheimer's disease and mild cognitive impairment during working memory. *J Alzheimer's Disease*. 2019; 68(3):1085-1094. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30909240>. Impact Factor 3.476. (Trainee publication, Michelle Goodman; Master's student of Tarek Rajji). **Collaborator.**
7. Fischer, C.E., Kortebe, I., Karameh, W.K., Kumar, S., Gallagher, D., Golas, A., Munoz, D., Barfett, J., Butters, M.A., Bowie, C.R., Flint, A., Rajji, T., Herrmann, N., Pollock, B.G., Mulsant, B., Schweizer, T.A., & **Mah, L.**, and the PACT-MD Study Group. Examining the link between cardiovascular risk factors and neuropsychiatric symptoms in mild cognitive impairment and major depressive disorder in remission. *J Alzheimer's Disease*. 2019; 67(4):1305-1311. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30741676>. Impact Factor 3.476. **Senior Responsible Author.**
8. Sinyor, M., Williams, M., Belo, S., Orser, B., Vincent, M., **Mah, L.**, Zarate, C., Castel, S., Levitt, A.J., & Schaffer, A. Ketamine augmentation for major depressive disorder and suicidal ideation: preliminary experience in an inpatient psychiatry setting. *Journal of Affective Disorders*. 2018; 241:103-109. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30107350>. Impact Factor 3.786. **Collaborator.**
I contributed extensively to multiple revisions of the manuscript and provided direction on the "angle" of the manuscript that led to its successful acceptance of the paper for publication.
9. Goodman, M.S., Kumar, S., Zomorodi, R., Ghazala, Z., Cheam, A.S.M., Barr, M.S., Daskalakis, Z.J., Blumberger, D.M., Fischer, C., Flint, A., **Mah, L.**, Herrmann, N., Bowie, C.R., Mulsant, B.H., & Rajji, T. Theta-Gamma Coupling and Working Memory in Alzheimer's Dementia and Mild Cognitive Impairment. *Frontiers in Aging Neuroscience*. 2018; 10:101. Available from <https://www.ncbi.nlm.nih.gov/pubmed/29713274>. Impact Factor 3.582. (Trainee publication, Michelle Goodman; Master's student of Tarek Rajji). **Collaborator.**
I contributed towards subject recruitment and reviewed drafts of the manuscript.

10. **Mah, L.**, Anderson, N.D., Verhoeff, N.P.L.G. & Pollock, B.G. Negative emotional verbal memory biases in mild cognitive impairment and late-onset depression. *American Journal of Geriatric Psychiatry*. 2017; 25(10):1160-1170. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28595749>. Impact Factor 3.480. **Principal Author**.
11. Shahab,S., Nicolici, D.F., Tang, A., Katz, P. & **Mah, L.** Depression predicts functional outcome in geriatric inpatient rehabilitation. *Archives of Physical Medication and Rehabilitation*. 2017; 98(3):500-507. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27530770>. Impact Factor 3.077. (**Trainee publication**, Saba Shabab, Work-Study student, Primary Supervisor; Diana Nicolici, Geriatric Psychiatry Resident, Co-Supervisor). **Senior Responsible Author**.
I developed the study concept, study design, provided oversight of the conduct of the study, and assisted extensively in the writing of the manuscript. This paper won the Baycrest Research in Print Award in 2017.
12. **Mah, L.**, Szabuniewicz, C. & Fiocco, A.J. Can anxiety damage the brain? *Current Opinion in Psychiatry*. 2016; 29(1): 56-63. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/26651008>. Impact Factor 4.020. (**Trainee publication**, Claudia Szabuniewicz, Research Assistant, Primary Supervisor). **Principal Author**.
13. **Mah, L.**, Binns, M.A. & Steffens, D.C. Anxiety symptoms in amnesic mild cognitive impairment are associated with medial temporal atrophy and predict conversion to Alzheimer disease. *American Journal of Geriatric Psychiatry*. 2015; 23(5): 466-76. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/25500120>. Impact Factor 4.235. **Principal Author**.
14. Guild, E.B., Vasquez, B.P., Maione, A.M., **Mah, L.**, Ween, J. & Anderson, N.D. Dynamic working memory performance in individuals with single-domain amnesic mild cognitive impairment. *Journal of Clinical and Exploratory Neuropsychology*. 2014; 36(7):751-60. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/25175752>. Impact Factor: 2.083. (**Trainee publication**, Emma Guild, PhD student of Nicole Anderson). **Collaborator**.
I contributed to the study concept and to the preparation of several revisions of the manuscript.
15. **Mah, L.**, Grossman, D., Grief, C. & Rootenberg, M. Association between patient dignity and anxiety in geriatric palliative care. *Palliative Medicine*. 2013; 27(5):478-9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/23630188>. Impact Factor 2.845. **Principal Author**.
16. **Mah, L.** & Hart, M. Gabapentin withdrawal: case report in an older adult and review of the literature. *Journal of the American Geriatrics Society*. 2013; 61(9):1635-7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/24028370>. Impact Factor 4.216. **Principal Author**.
17. Grief, C.J., Grossman, D., Rootenberg, M. & **Mah, L.** Attitudes of terminally ill older adults toward complementary and alternative medicine therapies. *Journal of Palliative Care*. 2013; 29(4):205-9. Available from <https://www.ncbi.nlm.nih.gov/pubmed/24601070>. Impact Factor 0.803. **Senior Responsible Author**.
I contributed to the study design, provided oversight of the study conduct, and wrote or extensively edited the manuscript which was initially drafted by C Grief.
18. Breitberg, A., Drevets, W.C., Wood, S.E., **Mah, L.**, Schulkin, J., Sahakian, B.J. & Erickson, K. Hydrocortisone infusion exerts dose- and sex-dependent effects on attention to emotional stimuli. *Brain and Cognition*. 2013; 81(2):247-55. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/23262179>. Impact Factor 2.683. (**Trainee publication**, Alaina Breitberg, A, PhD student of Kristine Erickson). **Collaborator**.
I participated in conduct of the study and provided input on the final manuscript.
19. **Mah, L.**, Grief, C., Grossman, D. & Rootenberg M. Assessment of patient dignity in geriatric palliative care. *Journal of American Geriatrics Society*. 2012; 60(11):2178-80. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/23148428>. Impact Factor: 3.978. **Principal Author**.
20. **Mah, L.**, Zarate, C.A. Jr., Nugent, A.C., Singh, J.B., Manji, H.K. & Drevets, W.C. Neural mechanisms of antidepressant efficacy of the dopamine receptor agonist pramipexole in treatment of bipolar depression. *International Journal of Neuropsychopharmacology*. 2011; 14(4):545-51. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/21029512>. Impact Factor 4.578. **Principal Author**.
21. **Mah, L.** & Pollock, B.G. Emotional processing deficits in late-life depression. *American Journal of Geriatric Psychiatry*. 2010; 18(7):652-656. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/20593541>. Impact Factor: 3.566. **Principal Author**.

22. **Mah, L.** & Conn, D.K. Use of the D2/D3 receptor agonist pramipexole in treatment of rapid-cycling bipolar disorder in an elderly patient. *American Journal of Geriatric Psychiatry*. 2010; 18(3):276. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/20224522>. Impact Factor: 3.566. **Principal Author.**
23. Knutson K.M., **Mah, L.**, Manly, C.F. & Grafman, J. Neural correlates of automatic beliefs about gender and race. *Human Brain Mapping*. 2007; 28(10):915-30. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/17133388>. Impact Factor: 6.151. **Co-Principal Author.**
I developed the study concept, designed the task including developing task stimuli, conducted the fMRI study, analyzed the fMRI data and wrote an initial draft of the manuscript. Because I had transferred to another lab at NIMH, the final stages of manuscript writing were completed by KM Knutson and I provided input on the final manuscript.
24. **Mah, L.**, Zarate, C.A. Jr., Singh, J., Duan, Y.F., Luckenbaugh, D.A., Manji, H.K. & Drevets, W.C. Regional cerebral glucose metabolic abnormalities in bipolar II depression. *Biological Psychiatry*. 2007; 61(6): 765-75. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/17027930>. Impact Factor 8.456. **Principal Author.**
25. Nugent, A.C., Milham, M.P., Bain, E.E., **Mah, L.**, Cannon, D.M., Marrett, S., Zarate, C.A., Pine, D.S., Price, J.L. & Drevets, W.C. Cortical abnormalities in bipolar disorder investigated with MRI and voxel-based morphometry. *NeuroImage*. 2006; 30(2):485-97. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/16256376>. Impact Factor 5.559. **Collaborator.**
26. Mah, L.W., Arnold, M.C. & Grafman, J. Deficits in social knowledge following damage to ventromedial prefrontal cortex. *Journal Neuropsychiatry and Clinical Neuroscience*. 2005; 17(1):66-74. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/15746485>. Impact Factor: 2.304. **Principal Author.**
27. **Mah, L.**, Arnold, M.C. & Grafman, J. Impairment of social perception associated with lesions of the prefrontal cortex. *American Journal of Psychiatry*. 2004; 161(7):1247-55. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/15229058>. Impact factor 7.614. **Principal Author.**
28. Ende, K., **Mah, L.** & Kass, E.S. Progression of late-stage chronic maxillary atelectasis. *The Annals of Otology, Rhinology, and Laryngology*. 2002; 111(8):759-62. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/12184602>. Impact Factor: 0.919. **Principal Author.**
29. Crowne, D.P. & **Mah, L.** A comparison of hemispatial neglect from posterior parietal and periaruate lesions in the monkey. *Psychobiology*. 1998; 26(2):103-108. Available from: <https://www.researchgate.net/publication/285967252>. Impact Factor 0.815. **Co-Principal Author.**

Book Chapters

Benjamin, S. & **Mah, L.** Educational and Certification Issues in Neuropsychiatry. In Yudofsky SC, Hales RE, editors, *The American Psychiatric Press Textbook of Neuropsychiatry and Clinical Neurosciences*, 4th edition, Washington, DC, United States of America: American Psychiatric Publishing, Inc; 2002. p. 1289-1309. **Co-Principal Author.**

In Review

Dham, P., Bingham, K., Bowie, C.R., Butters, M.A., Fischer, C.E., Flint A., Herrmann, N., Kumar, S., **Mah, L.**, Mulsant, B.H., Pollock, B.G., Rajji, T.K. for PACt-MD Study Group. Functional competence and cognition in individuals with amnesic mild cognitive impairment. (Trainee publication, Clinical Fellow of T. Rajji) **Collaborator.**

F. Presentations and Special Lectures

1. INTERNATIONAL

Invited Lectures and Presentations

2019 Mar **Chair and Invited Speaker.** Session 203: Prevalence of Neuropsychiatric Symptoms across the Cognitive Spectrum and their Impact on Future Cognitive Decline. American Association for Geriatric Psychiatry Annual Meeting, Atlanta, Georgia, United States of America. Presenter(s): Fischer, C.E.,

Lanctot, K. & **Mah, L.** Conference symposium. Available from:

<https://www.sciencedirect.com/science/article/pii/S1064748119301654?via%3Dihub>

- 2019 Feb 20 **Invited Speaker.** Subjective Cognitive Decline: Is it really a thing? International Behavioural Neurology Videoconference Rounds, Baycrest Department of Neurology, Toronto, Ontario, Canada. Presenter(s): Mah, L. Continuing Medical Education. * *These rounds are broadcast internationally.*
- 2018 Mar **Chair and Invited Speaker.** Session 321: Understanding the Link between Neuropsychiatric Symptoms and Cognitive Decline: Insights from Neuroimaging. American Association for Geriatric Psychiatry Annual Meeting, Honolulu, Hawaii, United States of America. Presenter(s): Fischer, C.E., Lanctot, K.L. & **Mah, L.** Conference symposium. Available from:
<https://www.sciencedirect.com/science/article/pii/S1064748118300629?via%3Dihub>
- 2013 Mar **Chair and Invited Speaker.** Enhancing Dignity in End of Life Care: A Collaborative Approach. Association for Geriatric Psychiatry Annual Meeting, Los Angeles, California, United States of America. Presenter(s): Grief, C.J., **Mah, L.** & Conn, D. Conference symposium. Available from:
<https://www.sciencedirect.com/science/article/pii/S1064748112001509>

Presented Abstracts

- 2019 Jun **Presenter.** Relationship between Emotion Regulation Strategy and Neuroimaging Biomarkers of Alzheimer's Disease. Annual Meeting of the Organization for Human Brain Mapping, Rome, Italy. Presenter(s): **Mah, L.**, Mulder-Heijstra, M., Ali, A., Chan, F., Liang, D., Vandermorris, S., Verhoeff, N.P., Herrmann, N., Chen, J.J. Paper presentation.
- 2019 Jun **Presenter.** Structural Covariance Networks among Normal, High Risk, and Cognitively Impaired Older Individuals. Annual Meeting of the Organization for Human Brain Mapping, Rome, Italy. Presenter(s): Rashidi-Ranjbar, N., Kumar, S., Mulsant, B.H., Herrmann, N., **Mah, L.**, Flint, A.J., Fischer, C.E., Pollock, B.G., Rajji, T.K., Voineskos, A.N., on behalf of the PACT-MD Study Group. Paper presentation.
(Trainee Presentation, Neda Rashidi-Ranjbar, PhD student of A. Voineskos)
- 2019 May **Presenter.** Relationship between Subjective Memory Concerns and Memory Performance in Older Adults with Subjective Cognitive Decline. American Psychiatric Association Annual Scientific Meeting, San Francisco, California, United States of America. Presenter(s): Mulder-Heijstra, M.P., Ali, A., Chan, F., Vandermorris, S., Herrmann, N., **Mah, L.** Paper presentation.
(Trainee Presentation, Mirjam Mulder-Heijstra, MD, Clinical Research Fellow, Primary Supervisor).
- 2019 Mar **Speaker.** Association between Emotion Regulation and Medial Temporal Lobe in Older Adults with Subjective Cognitive Decline. International Congress on Magnetic Resonance Imaging (ICMRI). Seoul, Korea. Presenter(s): Bae, S., Liang, D., Mulder-Heijstra, M., Ali, A., Chan, F., Vandermorris, S., Verhoeff, N.P., Chen, J.J., Herrmann, N., **Mah, L.** Paper presentation.
(Trainee Presentation, Stella Bae, Co-op student, University of Toronto, Primary Supervisor).
- 2018 May **Presenter.** Self-reported Driving Behaviours and Attitudes of Older Adults Diagnosed with Mild Cognitive Impairment and Major Depressive Disorder. American Psychiatric Association Annual Scientific Meeting. New York, New York, United States of America. Presenter(s): Rapoport, M.J., Johnston, J., Zucchero-Sarracini, C., Tuokko, H., Herrmann, N., Gallagher, D., Mulsant, B., Rajji, T., **Mah, L.**, Fischer, C., Flint, A., Pollock, B., Myers, A., PACT-MD Study Group. Paper presentation.
- 2018 Mar **Presenter.** Association between Neuropsychiatric Symptoms and Delayed Verbal Recall in Older Adults with Lifetime History of Major Depressive Disorder. American Association for Geriatric Psychiatry Annual Meeting. Honolulu, Hawaii, United States of America. Presenter(s): **Mah, L.**, Elmi, S., Bowie, C.R., Rapoport, M., Flint, A.J., Fischer, C.E., Herrmann, N., Pollock, B.G., Mulsant, B.H., Rajji, T. for PACT-MD Study Group. Paper presentation.
- 2016 Oct **Presenter.** Heart Rate Variability as a Potential Marker of Cognitive Decline in Amnesic Mild Cognitive Impairment. The Lancet Neurology Conference. London, England, United Kingdom. Presenter(s): **Mah, L.**, Chen, J.J., Ali, A., Borezky, Y. Paper presentation.
- 2013 Jun **Presenter.** Alexithymia in Late- versus Early-Onset Geriatric Depression. 21st World Congress on Social Psychiatry. Lisbon, Portugal. Presenter(s): **Mah, L.**, Tian, E. Paper presentation.

Linda MAH

- 2012 Jun **Presenter.** Emotional Processing Differentiates Amnesic Mild Cognitive Impairment and Late-Life Depression. 18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, China. Presenter(s): **Mah, L.**, Grady, C., Anderson, N.D., Pollock, B.G. Paper presentation.
- 2011 Jun **Presenter.** Neural Circuitry of Emotional Processing in Late-Life Depression. Annual Meeting of the Organization for Human Brain Mapping. Quebec City, Quebec, Canada. Presenter(s): **Mah, L.**, Williams, L.J., Leung, R., Freel, S. & Pollock, B.G. Paper presentation.
- 2009 Nov **Presenter.** Perception of Emotionally-Salient Information in Late-Life Depression. International College of Geriatric Psychoneuropharmacology. Baltimore, Maryland, United States of America. Presenter(s): **Mah, L.**, Pollock, B.G. Paper presentation.
- 2005 **Presenter.** Voxel-Based Morphometry Detection of Volumetric Abnormalities in Bipolar Disorder. ISMRM Thirteenth Scientific Meeting. Miami Beach, Florida, United States of America. Presenter(s): Nugent, A.C., Milham, M., Bain, E.E., Cannon, D., **Mah, L.**, Zarate, C., Pine, D., Drevets, W.C. Paper presentation.
- 2004 Apr **Presenter.** Effect of Stimulus Duration on Selective Attention to Fearful Faces. Cognitive Neuroscience Society Meeting. San Francisco, California, United States of America. Presenter(s): **Mah, L.**, Wood, S., Nelson, K., Monk, C.S., Pine, D.S., Drevets, W.C., Furey, M.L. Paper presentation.
- 2004 May **Presenter.** High Resolution MRI Neuromorphometric Assessment of the Hippocampal Subiculum in Mood Disorders. ISMRM Twelfth Scientific Meeting. Kyoto International Conference Hall, Kyoto, Japan. Presenter(s): Nugent, A.C., Wood, S.E., Bain, E.E., **Mah, L.**, Cannon, D.M., Neumeister, A., Zarate, C., Marrett, S., Koretsky, A., Talagala, L., Price, J., Charney, D.S., Drevets, W.C. Paper presentation.
- 2003 Apr **Presenter.** Neural Correlates of Automatic Beliefs about Gender and Race. Cognitive Neuroscience Society Meeting. New York, New York, United States of America. Presenter(s): **Mah, L.**, Manly, C.F., Grafman, J. Paper presentation.
- 2004 Nov **Presenter.** Effects of Hydrocortisone Infusion on Affectively Valenced Autobiographical Memory. Annual Meeting of the Society for Neuroscience. Washington, District of Columbia, United States. Presenter(s): Erickson, K., **Mah, L.**, Wood, S.E., Chrousos, G.P., Schulkin, J., Charney, D.S., Drevets, W.C. Paper presentation.

Presented and Published Abstracts

- 2019 Jul **Presenter.** Openness Personality Trait Predicts Delayed Verbal Recall at > 1 Year Follow-up in Cognitively Normal Older Adults without Current or Lifetime History of Psychiatric Illness. Alzheimer's Association International Conference. Los Angeles, California, United States of America. Presenter(s): **Mah, L.**, Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. & Herrmann, N. Paper presentation.
- Publication Details:*
Mah, L., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. & Herrmann, N. Openness personality trait predicts delayed verbal recall at > 1 year follow-up in cognitively normal older adults without current or lifetime history of psychiatric illness. *Alzheimer's & Dementia*. 2019. **Principal Author.**
- 2019 Jul **Presenter.** Mood and Personality Characteristics in Mild Cognitive Impairment, Subjective Cognitive Decline, and Cognitively Normal Older Adults without Current or Lifetime History of Psychiatric Illness. Alzheimer's Association International Conference. Los Angeles, California, United States of America. Presenter(s): **Mah, L.**, Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. & Herrmann, N. Paper presentation.
- Publication Details:*
Mah, L., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. & Herrmann, N. Mood and personality characteristics in mild cognitive impairment, subjective cognitive decline, and cognitively normal older adults without current or lifetime history of psychiatric illness. *Alzheimer's & Dementia*. 2019. **Principal Author.**
- 2019 Jul **Presenter.** Mood and Personality Characteristics in Mild Cognitive Impairment, Subjective Cognitive Decline, and Cognitively Normal Older Adults without Current or Lifetime History of Psychiatric Illness. Alzheimer's Association International Conference. Los Angeles, California, United States of America. Presenter(s): **Mah, L.**, Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. &

Herrmann, N. Paper presentation.

Publication Details:

Mah, L., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. & Herrmann, N. Assessment of subjective memory ability in mild cognitive impairment and subjective cognitive decline. *Alzheimer's & Dementia*. 2019. **Principal Author**.

2019 May

Presenter. Changes in Theta but Not Alpha Modulation Are Associated with Working Memory Impairments in Alzheimer's Dementia and Mild Cognitive Impairment. Society of Biological Psychiatry Annual Meeting, Chicago, Illinois, U.S.A. Presenter(s): Goodman, M., Zomorodi, R., Kumar, S., Barr, M., Daskalakis, Z., Blumberger, D., Fischer, C., Flint, A., **Mah, L.**, Herrmann, N., Pollock, B., Bowie, C., Mulsant, B. & Rajji, T. Paper presentation.

(Trainee Presentation, Michelle Goodman, Master's student of T. Rajji).

Publication Details:

Goodman, M., Zomorodi, R., Kumar, S., Barr, M., Daskalakis, Z., Blumberger, D., Fischer, C., Flint, A., **Mah, L.**, Herrmann, N., Pollock, B., Bowie, C., Mulsant, B. & Rajji, T. Changes in theta but not alpha modulation are associated with working memory impairments in Alzheimer's dementia and mild cognitive impairment. *Biological Psychiatry*. 2019; 85(10): S213-S14. Available from: <http://dx.doi.org/10.1016/j.biopsych.2019.03.540>. **Collaborator**.

2019 Mar

Presenter. Cardiovascular Burden and Cognition in Older Adults with Mild Cognitive Impairment and Major Depressive Disorder. American Association for Geriatric Psychiatry Annual Meeting, Atlanta, Georgia, United States of America. Presenter(s): Karameh, W., Kortebi, I., Kumar, S., Gallagher, D., Golas, A., Schweizer, T., Munoz, D., Barfett, J., Butters, M., Bowie, C.R., Flint, A., Rajji, T., Herrmann, N., Pollock, B., Mulsant, B., **Mah, L.** & Fischer, C. for the PACt-MD Study Group. Paper presentation.

(Trainee Presentation, Wael Karameh, Clinical Fellow of C. Fischer).

Publication Details:

Karameh, W., Kortebi, I., Kumar, S., Gallagher, D., Golas, A., Schweizer, T., Munoz, D., Barfett, J., Butters, M., Bowie, C.R., Flint, A., Rajji, T., Herrmann, N., Pollock, B., Mulsant, B., **Mah, L.** & Fischer, C. for the PACt-MD Study Group. Cardiovascular burden and cognition in older adults with mild cognitive impairment and major depressive disorder. *American Journal of Geriatric Psychiatry*. 2019; 27(3): S91-S92. Available from: <http://dx.doi.org/10.1016/j.jagp.2019.01.039>. **Co-Senior Responsible Author**.

2019 Mar

Presenter. Examining the Impact of Cardiovascular Risk Factors on Neuropsychiatric Symptoms in the PACt-MD Study. American Association for Geriatric Psychiatry Annual Meeting, Atlanta, Georgia, United States of America. Kortebi, I., Karameh, W., Kumar, S., Gallagher, D., Golas, A., Schweizer, T., Munoz, D., Barfett, J., Butters, M., Bowie, C.R., Flint, A., Rajji, T., Herrmann, N., Pollock, B., Mulsant, B., Mah, L., Fischer, C.E. & the PACT-MD Study Group. Paper presentation.

(Trainee Presentation, Inez Kortebi, Research Assistant of C. Fischer).

Publication Details:

Kortebi, I., Karameh, W., Kumar, S., Gallagher, D., Golas, A., Schweizer, T., Munoz, D., Barfett, J., Butters, M., Bowie, C.R., Flint, A., Rajji, T., Herrmann, N., Pollock, B., Mulsant, B., Mah, L., Fischer, C.E. & the PACT-MD Study Group. Examining the impact of cardiovascular risk factors on neuropsychiatric symptoms in the PACT-MD study. *American Journal of Geriatric Psychiatry*. 2019; 27(3): S161-S62. Available from: <http://dx.doi.org/10.1016/j.jagp.2019.01.114>. **Co-Senior Responsible Author**.

2018 Jul

Presenter. Association Between Sleep Disturbance and Medial Temporal Lobe Structures in Mild Cognitive Impairment. Alzheimer's Association International Conference. Chicago, Illinois, United States of America. Presenter(s): Elmi, S., Rashidi-Ranjbar, N., Patel, N., Flint, A.J., Fischer, C.E., Herrmann, N., Pollock, B.G., Mulsant, B.G., Rajji, T.K., Voineskos, A.N. & **Mah, L.** for the PACt-MD Study Group. Paper presentation.

(Trainee Presentation, Sarah Elmi, Primary Supervisor).

Publication Details:

Elmi, S., Rashidi-Ranjbar, N., Patel, N., Flint, A.J., Fischer, C.E., Herrmann, N., Pollock, B.G., Mulsant, B.G., Rajji, T.K., Voineskos, A.N., **Mah, L.** for the PACt-MD Study Group. Association between sleep disturbance and medial temporal lobe structures in mild cognitive impairment. *Alzheimer's & Dementia*. 2018. **Senior Responsible Author**.

- 2018 Jul **Presenter.** Psychological Profiles of Older Adults with Subjective Cognitive Decline and Association with Delayed Verbal Recall. Alzheimer's Association International Conference. Chicago, Illinois, United States of America. Presenter(s): **Mah, L.**, Ali, A., Szabuniewicz, C., Shorey, C., Anderson, N.D., Verhoeff, N.P.L.G., Herrmann, N. Paper presentation.
- Publication Details:*
Mah, L., Ali, A., Szabuniewicz, C., Shorey, C., Anderson, N.D., Verhoeff, N.P.L.G. & Herrmann, N. Psychological profiles of older adults with subjective cognitive decline and association with delayed verbal recall. Alzheimer's & Dementia. 2018. **Principal Author.**
- 2017 Jul **Presenter.** Alterations in Emotional Verbal Memory in Subjective Cognitive Decline and Amnesic Mild Cognitive Impairment. Alzheimer's Association International Conference. London, England, United Kingdom. Presenter(s): **Mah, L.**, Anderson, N., Verhoeff, P. & Pollock, B.G. Paper presentation.
- Publication Details:*
Mah, L., Anderson, N., Verhoeff, P. & Pollock, B.G. Alterations in emotional verbal memory in subjective cognitive decline and amnesic mild cognitive impairment. Alzheimer's & Dementia. 2017; 13(7):S1507-1508. **Principal Author.**
- 2016 Jul **Presenter.** Alterations in Behavioural Responses to Emotional Facial Expressions in Single-Domain Amnesic Mild Cognitive Impairment. Alzheimer's Association International Conference. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Anderson, N.D., Verhoeff, N.P.L.G., Pollock, B.G. Paper presentation.
- Publication Details:*
Mah, L., Anderson, N.D., Verhoeff, N.P.L.G. & Pollock, B.G. Alterations in behavioural responses to emotional facial expressions in single-domain amnesic mild cognitive impairment. Alzheimer's & Dementia. 2016; 12(7):1172-1173. **Principal Author.**
- 2015 Oct **Presenter.** Neural Responses to Emotionally Expressive Faces are Modulated by Attention in Amnesic Mild Cognitive Impairment. Annual Meeting of the Society for Neuroscience. Chicago, Illinois, United States. Presenter(s): **Mah, L.**, Tang, A., Anderson, N.D, Verhoeff, N.P.L.G. & Pollock, B.G. Paper presentation.
- Publication Details:*
Mah, L., Tang, A., Anderson, N.D, Verhoeff, N.P.L.G. & Pollock, B.G. Neural responses to emotionally expressive faces are modulated by attention in amnesic mild cognitive impairment. In Society for Neuroscience Abstract Viewer and Itinerary Planner 2015:Vol.45. **Principal Author.**
- 2014 Mar **Presenter.** Ambient Lead Exposure is Associated with Greater Risk and Conversion to Alzheimer's Disease in Individuals with Amnesic Mild Cognitive Impairment. American Association for Geriatric Psychiatry. Orlando, Florida, United States of America. Presenter(s): **Mah, L.**, Kohli, M. & Chan, G.
- Publication Details:*
Mah, L., Kohli, M. & Chan, G. Ambient lead exposure is associated with greater risk and conversion to Alzheimer's disease in individuals with amnesic mild cognitive impairment. The American Journal of Geriatric Psychiatry. 2014; 22(3):S117-118. Available from: <http://dx.doi.org/10.1016/j.jagp.2013.12.135>. **Principal Author.**
- 2013 Mar **Presenter.** Structural Integrity of the Uncinate Fasciculus and Its Association with Emotion and Cognition in Amnesic Mild Cognitive Impairment: A Preliminary Study. American Association for Geriatric Psychiatry. Los Angeles, California, United States. Presenter(s): Wen, M. C., Anderson, N.D., Pollock, B.G. & **Mah, L.** Paper presentation.
(Trainee Presentation, Ming-Ching Wen, PhD, Postdoctoral Fellow, Primary Supervisor).
- Publication Details:*
Wen, M. C., Anderson, N.D., Pollock, B.G. & **Mah, L.** Structural integrity of the uncinate fasciculus and its association with emotion and cognition in amnesic mild cognitive impairment: a preliminary study. American Journal of Geriatric Psychiatry. 2013; 21(3): S76-S77. Available from: <http://dx.doi.org/10.1016/j.jagp.2012.12.100>. **Senior Responsible Author.**
- 2012 Nov **Presenter.** Half Empty or Half Full? Emotional Biases Differentiate Late-Life Depression and Amnesic Mild Cognitive Impairment. Annual Meeting of the Society for Neuroscience. New Orleans, Louisiana,

United States of America. Presenter(s): **Mah, L.**, Wen, M-C., Anderson, N.D., Grady, C.L. & Pollock, B.G. Paper presentation.

Publication Details:

Mah, L., Wen, M-C., Grady, C.L., Anderson, N.D., Pollock, B.G. Half empty or half full? Emotional biases differentiate late-life depression and amnesic mild cognitive impairment. In Society for Neuroscience Abstract Viewer and Itinerary Planner 2012:Vol.42. **Principal Author.**

2011 Nov

Presenter. Neural Correlates of Emotion Regulation in Late-Life Depression. Annual Meeting of the Society for Neuroscience. Washington, District of Columbia, United States of America. Presenter(s): **Mah, L.**, Ye, B., Leung, R., Freel, S., Pollock, B.G. Paper presentation.

Publication Details:

Mah, L., Ye, B., Leung, R., Freel, S. & Pollock, B.G. Neural correlates of emotion regulation in late-life depression. Program No. 261.07/DD4. Society for Neuroscience Abstract Viewer and Itinerary Planner 2011;41. **Principal Author.**

2011 May

Presenter. Neural Substrates of Emotional Processing in Late-Life Depression. Society of Biological Psychiatry Annual Meeting. San Francisco, California, United States of America. Presenter(s): **Mah, L.**, Williams, L.J., Leung, R., Freel, S. & Pollock, B.G. Paper presentation.

Publication Details:

Mah, L., Williams, L.J., Leung, R., Freel, S. & Pollock, B.G. Neural substrates of emotional processing in late-life depression. Biological Psychiatry. 2011; 69(9): 139S-39S. **Principal Author.**

2010 Apr

Presenter. Emotion regulation in healthy aging. American Neuropsychiatric Association. Tampa, Florida, United States of America. Presenter(s): **Mah, L.** & Pollock, B.G. Paper presentation.

Publication Details:

Mah, L. & Pollock, B.G. Emotion Regulation in Healthy Aging. J Neuropsychiatry Clin Neurosci. 2010; 1(22):243-246. Available from: <http://neuro.psychiatryonline.org/data/Journals/NP/3983/1.pdf>. **Principal Author.**

2009 Mar

Presenter. Emotional Processing Deficits in Late-Life Depression. American Association of Geriatric Psychiatry. Honolulu, Hawaii, United States of America. Presenter(s): **Mah, L.**, McGarry, L., Rossi, S. & Pollock, B.G. Paper presentation.

Publication Details:

Mah, L., McGarry, L., Rossi, S. & Pollock, B.G. Emotional processing deficits in late-life depression. American Journal of Geriatric Psychiatry. 2009; 17(3): A61-A62. **Principal Author.**

2008 Nov

Speaker. Emotional Processing is Altered in Late-Life Depression. Annual Meeting of the Society for Neuroscience. Washington, District of Columbia, United States. Presenter(s): **Mah L.**, McGarry L, Rossi S, Pollock BG. Paper presentation.

Publication Details:

Mah, L., McGarry, L., Rossi, S. & Pollock, B.G. Emotional processing is altered in late-life depression. Program No. 844.3/Y13. 2008 Neuroscience Meeting Planner. **Principal Author.**

2007 Mar

Presenter. Neural Correlates of Emotional Processing Biases in Major Depressive Disorder. American Association of Geriatric Psychiatry Annual Meeting. New Orleans, Louisiana, United States of America. Presenter(s): **Mah, L.**, Wood, S.E., Furey, M.L., Fromm, S.J., Pine, D.S. & Drevets, W.C. Paper presentation.

Publication Details:

Mah, L., Wood, S.E., Furey, M.L., Fromm, S.J., Pine, D.S. & Drevets, W.C. Neural correlates of emotional processing biases in major depressive disorder. American Journal of Geriatric Psychiatry. 2007;15. **Principal Author.**

2006 Jun

Presenter. Regional Cerebral Glucose Metabolism in Discriminating Bipolar Depressives from Nonpsychiatric Controls. 12th Annual Meeting of the Organization for Human Brain Mapping. Florence, Italy. Presenter(s): **Mah, L.**, Zarate, C.A., Fromm, S.J., Luckenbaugh, D.A., Duan, Y-F., Manji, H. & Drevets, W.C. Paper presentation.

Publication Details:

Mah, L., Zarate, C.A, Fromm, S.J., Luckenbaugh, D,A., Duan, Y-F., Manji, H. & Drevets, W.C. Regional

cerebral glucose metabolism in discriminating bipolar depressives from nonpsychiatric controls. *NeuroImage*. 2006;31(Suppl 1):S142. **Principal Author**.

2006 Jun **Presenter**. Regional cerebral glucose metabolic abnormalities in unmedicated-remitted subjects with major depressive disorder. 12th Annual Meeting of the Organization for Human Brain Mapping. Florence, Italy. Presenter(s): **Mah, L.**, Nugent, A.C., Neumeister, A., Charney, D.S. & Drevets, W.C. Paper presentation.

Publication Details:

Mah, L., Nugent, A.C., Neumeister, A., Charney, D.S. & Drevets, W.C. Regional cerebral glucose metabolic abnormalities in unmedicated-remitted subjects with major depressive disorder. *NeuroImage*. 2006;31(Suppl 1):S142. **Principal Author**.

2006 Nov **Speaker**. Altered Amygdala Response to Emotional Faces in Major Depression. Society for Neuroscience Annual Meeting. Atlanta, Georgia, United States of America. Presenter(s): **Mah, L.**, Wood, S.E., Furey, M.L., Fromm, S.J., Pine, D.S. & Drevets, W.C. Paper presentation.

Publication Details:

Mah, L., Wood, S.E., Furey, M.L., Fromm, S.J., Pine, D.S. & Drevets, W.C. Altered amygdala response to emotional faces in major depression. Program No. 782.9 2006 Neuroscience Meeting Planner. **Principal Author**.

2006 Nov **Presenter**. Sex Differences in the Effect of Hydrocortisone on Functional Interactions between Amygdala and Orbitomedial Prefrontal Cortex Responses to Emotional Stimuli. Annual Meeting of the Society for Neuroscience. Atlanta, Georgia, United States of America. Presenter(s): Erickson, K., Harrell, P.T., Wood, S.E., Nugent, A.C., Schulkin, J., **Mah, L.**, Furey, M.L. & Drevets, W.C. Paper presentation.

Publication Details:

Erickson, K., Harrell, P.T., Wood, S.E., Nugent, A.C., Schulkin, J., **Mah, L.**, Furey, M.L. & Drevets, W.C. Sex differences in the effect of hydrocortisone on functional interactions between amygdala and orbitomedial prefrontal cortex responses to emotional stimuli. Program No. 73.19 2006 Neuroscience Meeting Planner. **Collaborator**.

2005 Nov **Presenter**. Baseline Cerebral Metabolism, Alterations in Metabolism, and Response to Pramipexole or Placebo Treatment in Bipolar II Depression. Annual Meeting of the Society for Neuroscience. Washington, District of Columbia, United States of America. Presenter(s): **Mah, L.**, Zarate, C.A., Wood, S.E., Duan, Y-F., Nugent, A.C., Cannon, D.M., Manji, H. & Drevets, W.C. Paper presentation.

Publication Details:

Mah, L., Zarate, C.A., Wood, S.E., Duan, Y-F., Nugent, A.C., Cannon, D.M., Manji, H. & Drevets, W.C. Baseline cerebral metabolism, alterations in metabolism, and response to pramipexole or placebo treatment in bipolar II depression. Program No. 243.8. 2005 Abstract Viewer/Itinerary Planner. **Principal Author**.

2005 Nov **Presenter**. Differential Effects of Hydrocortisone on Amygdala Habituation to Emotional Facial Expressions: An fMRI Study. Annual Meeting of the Society for Neuroscience. Washington, District of Columbia, United States of America. Presenter(s): Erickson, K., Wood, S.E., Furey, M.L., Nugent, A.C., **Mah, L.**, Schulkin, J. & Drevets, W.C. Paper presentation.

Publication Details:

Erickson, K., Wood, S.E., Furey, M.L., Nugent, A.C., **Mah, L.**, Schulkin, J. & Drevets, W.C. Differential effects of hydrocortisone on amygdala habituation to emotional facial expressions: An fMRI study. Program No. 193.8. 2005 Abstract Viewer/Itinerary Planner. **Collaborator**.

2005 Jun **Presenter**. Effect of Pramipexole Treatment on Glucose Metabolism in Bipolar II Depression. 11th Annual Meeting of the Organization for Human Brain Mapping. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Wood, S.E., Duan, Y-F., Nugent, A.C., Cannon, D.M., Solorio, G., Zarate, C.A., Manji, H. & Drevets, W.C. Paper presentation.

Publication Details:

Mah, L., Wood, S.E., Duan, Y-F., Nugent, A.C., Cannon, D.M., Solorio, G., Zarate, C.A., Manji, H. & Drevets, W.C. Effect of pramipexole treatment on glucose metabolism in bipolar II depression. *NeuroImage*. 2005;26(Suppl. 1):S65. **Principal Author**.

2005 Jun **Presenter**. Reproducibility of the Hemodynamic Response of the Amygdala to Emotional Stimuli. 11th

Annual Meeting of the Organization for Human Brain Mapping. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Wood, S.E., Fromm, S., Drevets, W.C. & Furey, M.L. Paper presentation.

Publication Details:

Mah, L., Wood, S.E., Fromm, S., Drevets, W.C. & Furey, M.L. Reproducibility of the hemodynamic response of the amygdala to emotional stimuli. *Neuroimage*. 2005;26(Suppl. 1):S23. **Principal Author.**

2005 Nov

Presenter. Influence of Hydrocortisone Infusion on Habituation of Hemodynamic Response in Amygdala and Anterior Cingulate while Viewing Single and Multiple Presentations of Emotionally Expressed Faces. 11th Annual Meeting of the Organization for Human Brain Mapping. Toronto, Ontario, Canada. Presenter(s): Erickson, K., Schulkin, J., Furey, M.,L. & **Mah, L.**, Wood, S.E., Nugent, A.C., Chrousos, G. & Drevets, W.C. Paper presentation.

Publication Details:

Erickson, K., Schulkin J, Furey, M., **Mah, L.**, Wood, S.E., Nugent, A.C., Chrousos, G. & Drevets, W.C. Influence of hydrocortisone infusion on habituation of hemodynamic response in amygdala and anterior cingulate while viewing single and multiple presentations of emotionally expressed faces. *NeuroImage*. 2005;26(Suppl 1):S26. **Collaborator.**

2005

Presenter. Cerebral Metabolic Changes in Bipolar Depressed Patients Treated with the D2/D3 receptor Agonist Pramipexole. Sixth International Conference on Bipolar Disorder. Pittsburgh, Pennsylvania, United States of America. Presenter(s): Zarate, C.A., **Mah, L.**, Duan, Y-F., Nugent, A.C., Cannon, D., Quiroz, J.A., Manji, H.K. & Drevets, W.C. Paper presentation.

Publication Details:

Zarate, C.A., **Mah, L.**, Duan, Y-F., Nugent, A.C, Cannon, D., Quiroz, J.A., Manji, H.K. & Drevets, W.C. Cerebral metabolic changes in bipolar depressed patients treated with the D2/D3 receptor agonist pramipexole. *Bipolar Disorders*. 2005;7(S2):25-26. **Co-Principal Author.**

2005 May

Presenter. Eight weeks of Memantine Treatment on Regional Cerebral Glucose Metabolic Rate in Major Depressive Disorder Subjects: a Double-Blind Placebo Controlled Trial. International Symposium on Cerebral Blood Flow, Metabolism, and Function. Amsterdam, Netherlands. Presenter(s): Cannon, D.M., **Mah, L.**, Zarate, C., Singh, J., Denicoff, K., Nugent, A.C., Solorio, G., Sciallo, D., Manji, H. & Drevets, W.C. Paper presentation.

Publication Details:

Cannon, D.M., **Mah, L.**, Zarate, C., Singh, J., Denicoff, K., Nugent, A.C., Solorio, G., Sciallo, D., Manji, H. & Drevets, W.C. Eight weeks of memantine treatment on regional cerebral glucose metabolic rate in major depressive disorder subjects: a double-blind placebo controlled trial. *Journal of Cerebral Blood Flow & Metabolism*. 2005. **Collaborator.**

2005 Jun

Presenter. Cortical Abnormalities in Treated and Untreated Bipolar Disorder as Investigated with Voxel Based Morphometry. International Society for Bipolar Disorders. Pittsburgh, P.A., United States of America. Presenter(s): Nugent, A.C., Milham, M., Bain, E.E., **Mah, L.**, Cannon, D., Marrett, S., Zarate, C., Pine, D. & Drevets, W.C.

Publication Details:

Nugent, A.C., Milham, M., Bain, E.E., **Mah, L.**, Cannon, D., Marrett, S., Zarate, C., Pine, D. & Drevets, W.C. Cortical abnormalities in treated and untreated bipolar disorder as Investigated with voxel based morphometry. *Bipolar Disorders*. 2005; 7:24. **Collaborator.**

2005 Dec

Presenter. Influence of Low and High Dose Hydrocortisone Infusion on Hemodynamic Response in Amygdala while Viewing Emotional Faces. 44th Annual Meeting of the American College Neuropsychopharmacology. Waikoloa, Hawaii, United States of America. Presenter(s): Erickson, K., Furey, M.L., Schulkin, J., Wood, S.E., **Mah, L.**, Nugent, A.C. & Drevets, W.C. Paper presentation.

Publication Details:

Erickson, K., Furey, M.L., Schulkin, J., Wood, S.E., **Mah, L.**, Nugent, A.C., Drevets, W.C. Influence of low and high dose hydrocortisone on hemodynamic response in amygdala while viewing emotional faces. *Neuropsychopharmacology*. 2005; 30:163-164. **Collaborator.**

2004 June

Presenter. Voxel-Based Morphometry in Bipolar Disorder. 10th Annual Meeting of the Organization for Human Brain Mapping. Budapest, Hungary. Presenter(s): Nugent, A.C., Millam, M.P., Bain, E.E., Cannon, D.M., **Mah, L.**, Pine, D.S., Charney, D.S. & Drevets, W.C. Paper presentation.

Publication Details:

Nugent, A.C., Millam, M.P., Bain, E.E., Cannon, D.M., **Mah, L.**, Pine, D.S., Charney, D.S. & Drevets, W.C. Voxel-based morphometry in bipolar disorder. *Neuroimage*. 2004;22(S1):e1857. **Collaborator.**

2004 Nov

Presenter. Effect of Task Instructions on Amygdalar Response to Fearful Facial Expressions. 34th Annual Meeting of the Society for Neuroscience. San Diego, California, United States of America. Presenter(s): **Mah, L.**, Drevets, W.C., Wood, S.E., Monk, C.S., Nelson, E.E., Pine, D.S. & Furey, M.L. Paper presentation.

Publication Details:

Mah, L., Drevets, W.C., Wood, S.E., Monk, C.S., Nelson, E.E., Pine, D.S. & Furey, M.L. Effect of task instructions on amygdalar response to fearful facial expressions. Program No. 670.6. 2004 Abstract Viewer/Itinerary Planner. **Principal Author.**

2004 Jun

Presenter. Neuromorphometric Measurements of the Amygdala in Medicated and Unmedicated Bipolar Disorder. 10th Annual Meeting of the Organization for Human Brain Mapping. Budapest, Hungary. Presenter(s): Nugent, A.C., Sills, R., Bain, E.E., Cannon, D.M., **Mah, L.**, Zarate, C. & Drevets, W.C. Paper presentation.

Publication Details:

Nugent, A.C., Sills, R., Bain, E.E., Cannon, D.M., **Mah, L.**, Zarate, C. & Drevets, W.C. Neuromorphometric measurements of the amygdala in medicated and unmedicated bipolar disorder. *Neuroimage*. 2004;22(S1):e889. **Collaborator.**

2004 Jun

Presenter. Effect of Stimulus Duration on the BOLD Signal in the Amygdala. 10th Annual Meeting of the Organization for Human Brain Mapping. Budapest, Hungary. Presenter(s): **Mah, L.**, Drevets, W.C., Wood, S.E., Monk, C.S., Nelson, E.E., Pine, D.S., Furey, M.L. Paper presentation.

Publication Details:

Mah, L., Drevets, W.C., Wood, S.E., Monk, C.S., Nelson, E.E., Pine, D.S., Furey, M.L. Effect of stimulus duration on the BOLD signal in the amygdala. *Neuroimage*. 2004;22(Suppl. 1):S27. **Principal Author.**

2004 Jun

Presenter. Amygdalar Modulation of Cingulate Activity During Presentation of Fearful Faces. 10th Annual Meeting of the Organization for Human Brain Mapping. Budapest, Hungary. Presenter(s): Wood, S.E., **Mah, L.**, Nelson, E.E., Pine, D.S., Monk, C.S., Nugent, A.C., Drevets, W.C. & Furey, M.L. Paper presentation.

Publication Details:

Wood, S.E., **Mah, L.**, Nelson, E.E., Pine, D.S., Monk, C.S., Nugent, A.C., Drevets, W.C. & Furey, M.L. Amygdalar modulation of cingulate activity during presentation of fearful faces. *Neuroimage*. 2004;22(Suppl 1):S28. **Co-Principal Author.**

2004 May

Presenter. Glucose Metabolism in the Amygdala in Bipolar II Depression. Society for Biological Psychiatry. New York, New York, United States of America. Presenter(s): **Mah, L.**, Duan, Y-F., Zarate, C.A., Singh, J., Payne, J.L., Nugent, A.C., Charney, D.S., Drevets, W.C.

Publication Details:

Mah, L., Duan, Y-F., Zarate, C.A., Singh, J., Payne, J.L., Nugent, A.C., Charney, D.S., Drevets, W.C. Glucose metabolism in the amygdala in bipolar II depression. *Biological Psychiatry*. 2004;55:178S. **Principal Author.**

2004 Mar

Presenter. Neural correlates of changes in the automaticity of gender attitudes. American Neuropsychiatric Association Meeting. Bal Harbour, Florida, United States. Presenter(s): **Mah L.**, Manly CF, Grafman J.

Publication Details:

Mah L., Manly CF, Grafman J. Neural correlates of changes in the automaticity of gender attitudes. *Journal of Neuropsychiatry and Clinical Neurosciences*. 2004;16(2):230. **Principal Author.**

2003 Mar

Presenter. Impairment of Social Cognition Following Lesions of Ventromedial and Dorsolateral Prefrontal Cortex. American Neuropsychiatric Association Meeting, Honolulu, Hawaii, United States of America. Presenter(s): **Mah, L.**, Arnold, M.C. & Grafman, J. Paper presentation.

Publication Details:

Mah, L., Arnold, M.C. & Grafman, J. Impairment of social cognition following lesions of ventromedial and

dorsolateral prefrontal cortex. Journal of Neuropsychiatry and Clinical Neurosciences. 2003;15(2):256. **Principal Author.**

2002 Mar **Presenter.** Social Cognition Deficits in Patients with Frontal Lobe Damage. American Neuropsychiatric Association Meeting. San Diego, California, United States. Presenter(s): **Mah, L.**, Arnold, M.C. & Grafman, J. Paper presentation.

Publication Details:

Mah, L., Arnold, M.C. & Grafman, J. Social cognition deficits in patients with frontal lobe damage. Journal of Neuropsychiatry and Clinical Neurosciences. 2002;14:106. **Principal Author.**

2001 Mar **Presenter.** Do Frontal Behaviours Change Following Surgery for Temporal Lobe Epilepsy? American Neuropsychiatric Association Meeting. Fort Myers, Florida, United States. Presenter(s): **Mah, L.**, Benjamin, S., Swearer, J., Phillips, C. & Weaver, J. Paper presentation.

Publication Details:

Mah, L., Benjamin, S., Swearer, J., Phillips, C. & Weaver, J. Do frontal behaviours change following surgery for temporal lobe epilepsy? Journal of Neuropsychiatry and Clinical Neurosciences. 2001;13:154. **Principal Author.**

2000 **Presenter.** Mania in HIV Illness. 46th Annual Meeting Academy of Psychosomatic Medicine Annual Meeting, New Orleans, Louisiana, United States. Presenter(s): **Mah, L.** Paper presentation.

Publication Details:

Mah, L., Mania in HIV illness. Psychosomatics. 2000; 41(2) :180-80. **Principal Author.**

1999 Mar **Presenter.** Assessment of Neuropsychiatric Aspects of Frontal Lobe Epilepsy. American Neuropsychiatric Association Meeting. New Orleans, Louisiana, United States. Presenter(s): **Mah, L.**, Savard, G., Andermann, F., Dubeau, F., Olivier, A. Paper presentation.

Publication Details:

Mah, L., Savard, G., Andermann, F., Dubeau, F., Olivier, A. Assessment of neuropsychiatric aspects of frontal lobe epilepsy. Journal of Neuropsychiatry and Clinical Neurosciences. 1999;11:132. **Principal Author.**

1999 Mar **Presenter.** HIV-Related Manic Syndromes: Prevalence and Risk Factors. American Neuropsychiatric Association Meeting. New Orleans, Louisiana, United States. Presenter(s): **Mah, L.** & Desrosiers, P.

Publication Details:

Mah, L. & Desrosiers, P. HIV-related manic syndromes: Prevalence and risk factors. Journal of Neuropsychiatry and Clinical Neurosciences. 1999;11:133. **Principal Author.**

1992 Feb **Presenter.** Laterality Effects in Tactile Pattern Recognition. Annual Meeting of the International Neuropsychological Society, San Diego, California, United States of America. Presenter(s): Bryden, M.P., Minami, K., Brown, P., Free, T., **Mah, L** & Todd, V. Paper presentation.

Publication Details:

Bryden, M.P., Minami, K., Brown, P., Free, T., **Mah, L** & Todd, V. Laterality effects in tactile pattern recognition. Journal of Clinical and Experimental Neuropsychology. 1992;14:89. **Collaborator.**

Accepted abstracts

2019 Aug **Presenter.** Subjective memory ability correlates with functional connectivity between the hippocampus and posterior default mode network in cognitively normal older adults. IPA/SEPG Joint International Congress, joint Congress of the International Psychogeriatric Association and the Spanish Psychogeriatric Society Joint International Congress, Santiago de Compostela, Spain. Presenter(s): **Mah, L.**, Liang, D., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G. & Herrmann, N., Chen, J.J. Paper presentation.

Media Appearances

Linda MAH

- 2018 Nov 14 "Anxiety's Ties to Dementia". Interviewer: Carl Sherman. The Dana Foundation, New York, NY, United States of America. Interview and print article. Available from: <https://www.dana.org/News/Anxiety-Dementia-Ties/>
- 2018 Jul 9 "15 Habits You Never Knew Were Aging Your Brain". Reader's Digest. Print article. Available at: <https://www.rd.com/health/conditions/habits-age-brain/>
- 2016 Nov 21 "5 Surprising Things That Age You". Interviewer(s): Emma Haak. Oprah Winfrey Network. Los Angeles, California, USA. Interview and print article. Available from: http://www.oprah.com/health_wellness/surprising-things-that-age-you/all
- 2016 Jan 25 "Chronic Stress 'Linked To Depression and Alzheimer's'". Huffington Post, UK. Print article. Available from: https://www.huffingtonpost.co.uk/2016/01/25/chronic-stress-linked-to-depression-and-alzheimer-s_n_9065842.html?1453714886
- 2014 Nov 11 "Anxiety may speed up Alzheimer's onset in people with mild cognitive impairment". Medical News Today. Print article. Available from: <https://www.medicalnewstoday.com/articles/285229.php>
- 2010 May 10 "Why is late-life depression harder to treat?" Print article. Available from: <https://www.sciencedaily.com/releases/2010/05/100504102122.htm>

Invited Lectures for Rotman Research Institute Conference

In its 25th year, although this conference is organized by the Rotman Research Institute, it draws national and international attendees.

- 2019 March **Invited Speaker.** What's mood got to do with it? Neurobehavioural Changes as Early Clinical Biomarkers of Alzheimer's Disease. 2019 Rotman Research Institute Conference: Aging & Brain Health. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Plenary session. Available from: <http://research.baycrest.org/conference>
- 2011 Mar **Invited Speaker.** Emotional Processing in Late-Life Depression. Inaugural Conference of the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Plenary session.
- 2008 Mar **Invited Speaker.** Neuroimaging of late-life depression and dementia. 18th Annual Rotman Research Institute Conference. Toronto, Ontario, Canada. Presenter(s): **Mah L.** Plenary session.

2. NATIONAL

Invited Lectures and Presentations

- 2017 Nov **Chair and Invited Speaker.** Understanding the Link Between Neuropsychiatric Symptoms and Cognitive Decline: Insights from Neuroimaging. 37th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Brown, E., Fischer, C & Lanctot, K. Conference symposium. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5864572/#top>
- 2017 Nov **Invited Speaker.** Positive Emotional Memory Impairment as a Potential Marker of Preclinical Alzheimer's Disease. Conference symposium PACT-MD: A Trial to Prevent Alzheimer's Dementia in High-Risk Populations - Design and Early Baseline Findings. 37th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Ali, A., Knezevic, D., Szabuniewicz, C., Verhoeff, P., Fischer, C., Flint, A., Herrmann, N, Pollock, B, Rajji, T, Mulsant, B. for PACT-MD Study Group. (Chair: T. Rajji). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5864572/#top>
- 2017 Nov **Invited Speaker.** Evaluating the Association Between Neural Oscillations and Working Memory in Older Individuals with a History of Major Depressive Disorder. Conference symposium PACT-MD: A Trial to Prevent Alzheimer's Dementia in High-Risk Populations - Design and Early Baseline Findings. 37th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry Toronto, Ontario, Canada. Presenter(s): Goodman, M., Zomorodi, R., Kumar, S., Ghazala, Z., Cheam, A., Blumberger, D.M., Herrmann, N., Pollock, B.G., Bowie, C.R., Mulsant, B.H., Rajji, T.K., **Mah, L.** for PACT-MD Study Group. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5864572/#top>

(Trainee Presentation, Michelle Goodman, Master's student of T. Rajji). (Chair: T. Rajji).

2017 Nov **Invited Speaker.** Beta-Amyloid Brain in PACT-MD Participants: Comparison of Two Analysis Methods and Impact of Partial Volume Corrections. Conference symposium PACT-MD: A Trial to Prevent Alzheimer's Dementia in High-Risk Populations - Design and Early Baseline Findings. 37th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry Toronto, Ontario, Canada. Presenter(s): Graff, A., Chung, J.K., Iwata, Y., Rajji, T.K., Herrmann, N., Pollock, B.G. & Mulsant, B.H. for **PACT-MD Study Group**. (Chair: T. Rajji). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5864572/#top>

Presented Abstracts

2019 May **Presenter.** Subjective Memory Ability Correlates with Functional Connectivity between the Hippocampus and Posterior Default Mode Network in Cognitively Normal Older Adults. Canadian Association for Neuroscience Meeting, Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Liang, D., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N., Chen, J.J. Paper presentation.

2018 May **Presenter.** A Comparison of Neural Circuitry in Older Persons with Late-Life Depression, Mild Cognitive Impairment, Alzheimer's Disease and Normal Cognition. 12th Annual Canadian Neuroscience Meeting. Vancouver, British Columbia, Canada. Presenter(s): Rashidi-Ranjbar, N., Mulsant, B., Herrmann, N., **Mah, L.**, Flint, A., Fischer, C., Pollock, B.G., Kumar, S., Rajji, T & Voineskos, A.N. for the PACT-MD Study Group. Paper presentation.

(Trainee Presentation, Neda Rashidi-Ranjbar, PhD student of A. Voineskos)

2017 Oct **Presenter.** Frequency of Forgetting Predicts Delayed Verbal Recall in Cognitively Normal Older Adults. Canadian Conference on Dementia, Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Ali, A., Shorey, C., Anderson, N.D., Verhoeff, N.P.L.G., Herrmann, N. Paper presentation.

2017 Apr **Presenter.** Impaired Positive Emotional Verbal Memory in DSM5 Mild Neurocognitive Disorder. Annual National Initiative for the Care of the Elderly (NICE) Knowledge Exchange, Toronto, Ontario, Canada. Presenter(s): Ali, A., Knezevic, D., Szabuniewicz, C., Verhoeff, P., Fischer, C., Flint, A., Herrmann, N., Mulsant, B., Pollock, B., Rajji, T. & **Mah, L.** for PACT-MD Study Group. Paper presentation.

(Trainee presentation, Aliya Ali, Co-op student, Primary Supervisor)

2016 Sep **Presenter.** Association between the Montreal Cognitive Assessment (MoCA) and Mini-Mental State Exam (MMSE) with Clinical Dementia Rating Scale (CDR) in Individuals with Mild Neurocognitive Disorder. Canadian Psychiatric Association 66th Annual Conference, Quebec City, Quebec, Canada. Presenter(s): Pierre, B., Melichercik, A., Lourenco, L., Bowie, C., Rajji, T.K., for **PACT-MD Study Group**. Paper presentation.

(Trainee Presentation, Brandon Pierre, Research Assistant of T. Rajji)

2016 Sep **Presenter.** Frontal Behavior Changes Following Epilepsy Surgery. Canadian Academy of Psychosomatic Medicine Annual Meeting. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Swearer, J., Weaver, J., Philips, C., Benjamin, S. Paper presentation.

2014 Oct **Presenter.** Anxiety Symptoms in Mild Cognitive Impairment Predict Conversion to Alzheimer's Disease. 43rd Annual Scientific and Educational Meeting of the Canadian Association on Gerontology. Niagara Falls, Ontario, Canada. Presenter(s): **Mah, L.**, Binns, M., Steffens, D. Paper presentation.

2014 Oct **Presenter.** Ambient Lead Exposure is Associated with Greater Risk for Conversion to Alzheimer's Disease and Hippocampal Atrophy in Individuals with Mild Cognitive Impairment. 43rd Annual Scientific and Educational Meeting of the Canadian Association on Gerontology. Niagara Falls, Ontario, Canada. Presenter(s): Kohli, M., Chan, G., **Mah, L.** Paper presentation.

(Trainee Presentation, Primary Supervisor).

2014 Oct **Presenter.** Quality of Life Domains Associated with Depression in Nursing Home Residents. 43rd Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, Niagara Falls, Ontario, Canada. Presenter(s): Bambrah, V., Navaratnam, N., Schwartz, K., Conn, D., **Mah, L.**

(Trainee Presentation, Primary Supervisor).

2014 Oct **Speaker.** Impact of Depression on Functional Outcomes following Inpatient Geriatric Rehabilitation. 43rd Annual Scientific and Educational Meeting of The Canadian Association on Gerontology, Niagara Falls,

Ontario, Canada. Presenter(s): Nicolici, D., Navaratnam, N., Bambrah, V., Shahab, S., Tang, A., Schechter, J., Arden, P., Katz, P., **Mah, L.** Paper presentation.

(Trainee Presentation, Diana Nicolici, PGY-6, Primary Supervisor).

2014 Oct **Presenter.** Dignity-Related Concerns and Emotional Wellbeing in Long-Term Care Residents. 43rd Annual Scientific and Educational Meeting of the Canadian Association on Gerontology. Niagara Falls, Ontario, Canada. Presenter(s): Bambrah, V., Navaratnam, N., Schwartz, K., Conn, D., **Mah, L.** Paper presentation.

(Trainee Presentation, V Bambrah, Research Assistant Volunteer, Primary Supervisor).

2014 Sep **Speaker.** Predictors of Participation in an Inpatient Geriatric Rehabilitation Program. The Canadian Academy of Geriatric Psychiatry and Canadian Coalition for Senior's Mental Health Joint Scientific Meeting. Toronto, Ontario, Canada. Presenter(s): Nicolici, D., Navaratnam, N., Bambrah, V., Shahab, S., Tang, A., Schechter, J., Arden, P., Katz, P., **Mah, L.** Paper presentation.

(Trainee Presentation, Diana Nicolici, PGY-6, Primary Supervisor).

2013 Oct **Speaker.** Gabapentin Withdrawal Syndrome: Clinical Features and Risk Factors. 42nd Annual Scientific and Educational Meeting of the Canadian Association on Gerontology. Halifax, Nova Scotia, Canada. Presenter(s): **Mah, L.** & Hart, M. Paper presentation.

2013 Oct **Presenter.** Predictors of Rehabilitation Participation and Outcome in High-Tolerance Geriatric Rehabilitation. 42nd Annual Scientific and Educational Meeting of the Canadian Association on Gerontology. Halifax, Nova Scotia, Canada. Presenter(s): **Mah, L.**, Katz, P., Schechter, J., Arden, P., Chan, S., Kondaj, R. Paper presentation.

2012 Sep **Speaker.** Psychosocial Dimensions of Geriatric Palliative Care. 41st Annual Scientific and Educational Meeting of the Canadian Association of Gerontology. Vancouver, British Columbia, Canada. Presenter(s): **Mah, L.** Paper presentation.

2012 Sep **Presentation.** Neural Mechanisms for the Positivity Bias in Healthy Aging. 41st Annual Scientific and Educational Meeting, Canadian Association of Gerontology. Vancouver, British Columbia, Canada. Presenter(s): Shin, E., Leung, R., Freel, S., Pollock, B.G., **Mah, L.** Paper presentation.

(Trainee Presentation, Elizabeth Shin, Work-Study Student, Primary Supervisor).

2012 Sep **Speaker.** Attitudes towards Complementary and Alternative Medicine on an In-patient Geriatric Palliative Care Unit. 41st Annual Scientific and Educational Meeting of the Canadian Association of Gerontology. Vancouver, British Columbia, Canada. Presenter(s): Grief C, Grossman D, McCordick A, Rootenberg, M, **Mah L.** Paper presentation.

2010 Sep **Presenter.** Emotional processing in older adults with early- versus late-onset depression. Canadian Academy of Geriatric Psychiatry. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Williams, L.J., Leung, R., Freel, S., Conn, D.K., Pollock, B.G. Paper presentation.

Presented and Published Abstracts

2017 Nov **Presenter.** Impaired Positive Emotional Verbal Memory in DSM5 Mild Neurocognitive Disorder. 26th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry, Toronto, Ontario, Canada. Presenter(s): Ali, A., Knezevic, D., Szabuniewicz, C., Verhoeff, P., Fischer, C., Flint, A., Herrmann, N., Mulsant, B., Pollock, B., Rajji, T. & **Mah, L.** for PACT-MD Study Group. Paper presentation.

(Trainee Presentation, Aliya Ali, Primary Supervisor)

Publication details:

Ali, A., Knezevic, D., Szabuniewicz, C., Verhoeff, P., Fischer, C., Flint, A., Herrmann, N., Mulsant, B., Pollock, B., Rajji, T. & **Mah, L.** for PACT-MD Study Group. Impaired positive emotional verbal memory in DSM5 mild neurocognitive disorder. Canadian Geriatrics Journal. 2018; 21(1): 62. **Senior Responsible Author.**

2017 Nov **Presenter.** Performance Assessment of Self Care Skills (PASS) Compared to Neuropsychological Battery for Differentiating Older Adults with Mild Cognitive Impairment (MCI) and Normal Cognition. 26th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry, Toronto, Ontario, Canada. Presenter(s): Dham, P., Bowie, C.R., Butters, M.A., Kumar, S., Fischer, C., Flint, A., **Mah, L.**, Pollock,

B.G., Herrmann, N, Mulsant, B.H. and Rajji, T.K. for PACt-MD Study Group. Paper presentation.
(Trainee Presentation, P. Dham, Clinical Fellow of T. Rajji).

Publication details:

Dham, P., Bowie, C.R., Butters, M.A., Kumar, S., Fischer, C., Flint, A., **Mah, L.**, Pollock, B.G., Herrmann, N, Mulsant, B.H. and Rajji, T.K. for PACt-MD Study Group. Performance assessment of self care skills (PASS) compared to neuropsychological battery for differentiating older adults with mild cognitive impairment (MCI) and normal cognition. Canadian Geriatrics Journal. 2018; 21(1): 59. **Collaborator.**

2017 Nov

Presenter. Evaluating the Efficacy of Recruitment Methods for Clinical Trials within the Older Adult Population. 26th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry, Toronto, Ontario, Canada. Presenter(s): Harduwar, R., Ovaysikia, S., Gambino, S., Minea, A., Fischer, C., Flint, A., Herrmann, N., **Mah, L.**, Chiuccariello, L. & Rajji, T. for PACt-MD Study Group.
(Trainee Presentation, Rhea Harduwar, Research Assistant of T. Rajji).

Publication details:

Harduwar, R., Ovaysikia, S., Gambino, S., Minea, A., Fischer, C., Flint, A., Herrmann, N., **Mah, L.**, Chiuccariello, L. & Rajji, T. for PACt-MD Study Group. Evaluating the efficacy of recruitment methods for clinical trials within the older adult population. Canadian Geriatrics Journal. 2018; 21(1): 60. **Collaborator.**

2017 Nov

Presenter. Association between the Mini-Mental State Examination and Montreal Cognitive Assessment with the Clinical Dementia Rating Scale in Individuals with Mild Cognitive Impairment. 26th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry, Toronto, Ontario, Canada. Presenter(s): Pierre, B., Melichercik, A., Lourenco, L., Butters, M., Fischer, C, Flint, A., **Mah, L.**, Herrmann, N., Mulsant, B.H., Pollock, B.G., Bowie, C. & Rajji, T.K. for PACt-MD Study Group.
(Trainee Presentation, Brandon Pierre, Research Assistant of T. Rajji).

Publication details:

Pierre, B., Melichercik, A., Lourenco, L., Butters, M., Fischer, C, Flint, A., **Mah, L.**, Herrmann, N., Mulsant, B.H., Pollock, B.G., Bowie, C. & Rajji, T.K. for PACt-MD Study Group. Association between the Mini-Mental State Examination and Montreal Cognitive Assessment with the Clinical Dementia Rating scale in individuals with Mild Cognitive Impairment. Canadian Geriatrics Journal. 2018; 21(1): 64. **Collaborator.**

2017 Nov

Presenter. Clock Drawing Test: Qualitative Error Analysis in the Mild Cognitive Impairment Population. 26th Annual Scientific Conference, Canadian Academy of Geriatric Psychiatry, Toronto, Ontario, Canada. Presenter(s): Soffer, M., Melichercik, A., Pierre, B., Rajji, T.K., Bowie, C.R., Chiuccariello, L, Mulsant, B.H., Herrmann, N., Fischer, C.E., **Mah, L.**, Flint, A. & Butters, M.A. for PACt-MD Study Group.
(Trainee Presentation, Matan Soffer, Research Assistant of T. Rajji).

Publication details:

Soffer, M., Melichercik, A., Pierre, B., Rajji, T.K., Bowie, C.R., Chiuccariello, L, Mulsant, B.H., Herrmann, N., Fischer, C.E., **Mah, L.**, Flint, A. & Butters, M.A. for PACt-MD Study Group. Clock drawing test: qualitative error analysis in the mild cognitive impairment population. Canadian Geriatrics Journal. 2018; 21(1): 65-66. **Collaborator.**

2013 Sep

Presenter. Distinct Neural Network and Responses to Emotional Appraisal in Late-Life Depression and Amnesic Mild Cognitive Impairment. Canadian Academy of Geriatric Psychiatry Annual Scientific Meeting. Ottawa, Ontario, Canada. Presenter(s): Tang, A., Anderson, N., Kiani, K., Verhoeff, P., Pollock, B., **Mah, L.** Paper presentation.
(Trainee Presentation, Alva Tang, Research Assistant, Primary Supervisor).

Publication details:

Tang, A., Anderson, N., Kiani, K., Verhoeff, P., Pollock, B. & **Mah, L.** Distinct neural network and responses to emotional appraisal in late-life depression and amnesic mild cognitive impairment. Canadian Geriatrics Journal. 2014; 17(1): 36. **Senior Responsible Author.**

2016 Sep

Speaker. Negative Emotional Memory Bias in Late-Life Depression and Mild Cognitive Impairment. 25th Annual Scientific Meeting of the Canadian Academy of Geriatric Psychiatry. Quebec City, Quebec, Canada. Presenter(s): **Mah, L.**, Anderson, N., Verhoeff, P., Pollock, B.G. Paper presentation.

Publication details:

Mah, L., Anderson, N., Verhoeff, P., Pollock, B.G. Negative Emotional Memory Bias in Late-Life Depression and Mild Cognitive Impairment. Canadian Geriatrics Journal. 2017; 20(1): 51. **Principal Author.**

2016 Sep **Speaker.** Risk of QTc Prolongation Associated with Citalopram or Es-citalopram in Older Adults. Canadian Academy of Geriatric Psychiatry. Quebec City, Quebec, Canada. Presenter(s): Crepeau-Gendron, G., Veinish, S., **Mah, L.** Paper presentation.

(Trainee Presentation, Gabrielle Gendron-Crepeau, PGY-6, Primary Supervisor).

Publication details:

Crepeau-Gendron, G., Veinish, S., **Mah, L.** Risk of QTc Prolongation Associated with Citalopram or Es-citalopram in Older Adults. Canadian Geriatrics Journal. 2017; 20(1): 50. **Senior Responsible Author.**

2013 Sep **Presenter.** Canadian Academy of Geriatric Psychiatry Annual Scientific Meeting. Ottawa, Ontario, Canada. Presenter(s): Cheung, B., Tang, A., Kiani, K., Anderson, N., Verhoeff, P., Pollock, B., **Mah, L.** Paper presentation.

(Trainee Presentation, Bonnie Cheung, Undergraduate Summer Student, Primary Supervisor).

Publication details:

Cheung, B., Tang, A., Kiani, K., Anderson, N., Verhoeff, P., Pollock, B., **Mah, L.** Differences in resting-state functional connectivity between late-life depression and amnesic mild cognitive impairment. Canadian Geriatrics Journal. 2014; 17(1): 33. **Senior Responsible Author.**

2013 Sep **Presenter.** Cognitive Status of Older Adults Impacts Functional Outcome through Participation in High-Intensity Rehabilitation. Canadian Academy of Geriatric Psychiatry Annual Scientific Meeting. Ottawa, Ontario, Canada. Presenter(s): Shahab, S., Tang, A., Kondaj, R., Schechter, J., Arden, P., Chan, S., Katz, P., **Mah, L.** Paper presentation.

(Trainee Presentation, Saba Shahab, Work-Study Student, Primary Supervisor).

Publication details:

Shahab, S., Tang, A., Kondaj, R., Schechter, J., Arden, P., Chan, S., Katz, P., **Mah, L.** Cognitive Status of Older Adults Impacts Functional Outcome through Participation in High-Intensity Rehabilitation. Canadian Geriatrics Journal. 2014; 17(1): 35. **Senior Responsible Author.**

Media Appearances

2018 May 9 "The real mental dangers of letting your stress go unchecked." Canadian Broadcasting Corporation. Print article. Available from: <https://www.cbc.ca/life/wellness/the-real-mental-dangers-of-letting-your-stress-go-unchecked-1.4655183>

2016 Dec "Can pathological anxiety and chronic stress damage the brain's structure?" Interviewer: Lynn Bradshaw. The Chronicle of Neurology and Psychiatry, Toronto, Ontario, Canada. Interview and print article.

2014 Nov 13 "Anxiety may accelerate slide into Alzheimer's" The Globe and Mail, Toronto, Ontario, Canada. Interview and print article. Available from: <https://www.theglobeandmail.com/life/health-and-fitness/health/anxiety-may-accelerate-slide-into-alzheimers/article21573491/>.

3. PROVINCIAL / REGIONAL

Presented Abstracts

2012 Apr **Presenter.** Emotional Processing and Intrinsic Neural Activity in Amnesic Mild Cognitive Impairment. Southern Ontario Neuroscience Association, Official Local Chapter of the Society for Neuroscience. Presenter(s): Momen, A., Anderson, N.D., Pollock, B.G. & **Mah, L.** (Trainee Presentation. Amirah Momen, Work-Study Student, Primary Supervisor).

2011 Apr **Speaker.** Barriers toward Acceptance of Complementary and Alternative Medicine on an In-patient Geriatric Palliative Care Unit. Annual Hospice Palliative Care Ontario Conference. Toronto, Ontario, Canada. Presenter(s): Grief, C., Grossman, D., McCordick, A., **Mah, L.**

Media Appearances

2014 Nov 14 Today's Reading List: "Can Anxiety Accelerate Slide Into Alzheimer's?" Ontario Medical Association. Print article. Available from: <http://www.ontariosdoctors.com/todays-reading-list-can-anxiety-accelerate-slide-into-alzheimers/>

4. LOCAL

Invited Lectures and Presentations

UNIVERSITY

2018 Mar 27 **Invited Speaker.** Impact of depression and anxiety symptoms on development of Alzheimer's disease. Students' Alzheimer's Alliance at the University of Toronto (SAAUT) Conference. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**

HOSPITAL

- 2018 Oct **Invited Speaker.** Good Stress, Bad Stress. Geriatric Mental Health Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2017 Oct **Invited Speaker.** To Screen or Not to Screen: Update on Best Practices for Cognitive Screening of Older Adults. Geriatric Mental Health Rounds, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2016 Oct **Invited Speaker.** Negative Emotional Memory Bias in Late-Life Depression and Mild Cognitive Impairment. Geriatric Mental Health Rounds, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2015 Jan **Invited Speaker.** Debunking the Myth of "It's Just Stress...". Geriatric Mental Health Rounds, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2015 Jan **Invited Speaker.** Gabapentin Withdrawal: Case Report in a Geriatric Patient and Review of the Literature. Geriatric Medicine Rounds, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** & Hart, M. Continuing Medical Education.
- 2014 Nov **Invited Speaker.** The Amygdala in Alzheimer's Disease: From Bench to Bedside. Geriatric Mental Health Rounds, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2014 Oct **Presenter.** Anxiety as a Risk Factor for Alzheimer's Disease. Evidence-Based Medicine Seminar, Department of Psychiatry, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2013 Dec **Invited Speaker.** Improving Functional Outcome in Rehabilitation Medicine – Does Depression Matter? Geriatric Mental Health Rounds, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** & Nicolici, D. Continuing Medical Education.
(Trainee presentation, Diana Nicolici, PGY-6, Primary Supervisor)
- 2013 Apr **Presenter.** Does Anxiety Increase the Risk of Alzheimer's Disease? Evidence-Based Medicine Seminar, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2013 Feb **Invited Speaker.** The Good Death: Clinical and Research Perspectives on Patient Dignity in Palliative Care. Geriatric Mental Health Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.,** Grief, C.J., Grossman, D. Continuing Medical Education.
- 2011 Mar **Invited Speaker.** Emotional Processing in Late-Life Depression. Interprofessional Grand Rounds. Ontario Shores Centre for Mental Health Sciences. Whitby, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2011 Nov **Invited Speaker.** Emotional Processing in Mild Cognitive Impairment. Geriatric Mental Health Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2010 May **Invited Speaker.** The Positivity Bias in Healthy Aging: Fact or Fiction? Geriatric Mental Health Rounds,

Linda MAH

Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.

- 2009 May **Invited Speaker.** "Pseudodementia": A Misnomer for Cognitive Impairment in Late-Life Depression. Geriatric Mental Health Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2009 May **Presenter.** Work in Progress: Can Emotionally Processing Distinguish Mild Cognitive Impairment from Depression in Older Adults? Kunin-Lunenfeld Applied Research Unit (KLARU) Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.**
- 2008 Dec **Presenter.** What is the Efficacy of Pramipexole in Treatment of Geriatric Depression? Evidence-Based Medicine Seminar, Department of Psychiatry, Baycrest Health Sciences, Presenter(s): **Mah, L.**
- 2008 Jun **Invited Speaker.** Emotion Perception and Regulation in Healthy Aging and Late-Life Depression. Geriatric Mental Health Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2007 May **Invited Speaker.** Neural Correlates of Emotional Processing Biases in Major Depressive Disorder. Geriatric Mental Health Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Continuing Medical Education.
- 2007 Mar **Invited Speaker.** Functional Magnetic Resonance Imaging of Emotional Processing in Late-Life Depression and Healthy Aging. Kunin-Lunenfeld Applied Research Unit (KLARU) Rounds, Baycrest Health Sciences, Toronto, Ontario, Canada. Presenter(s): **Mah, L.**

Presented Abstracts

UNIVERSITY

- 2019 Jun **Speaker.** Relationship between Subjective Memory Concerns and Memory Performance in Older Adults with Subjective Cognitive Decline. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Mulder-Heijstra, M.P., Ali, A., Chan, F., Vander Morris, S., Herrmann, N. & **Mah, L.** Paper presentation.
(Trainee Presentation, Mirjam Mulder-Heijstra, MD, Clinical Research Fellow, Primary Supervisor).
- 2019 Jun **Presenter.** Association between Emotion Regulation and Medial Temporal Lobe in Older Adults at Risk for Developing Alzheimer's Disease (AD). Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Bae, S., Liang, D., Mulder-Heijstra, M., Ali, A., Vander Morris, S., Verhoeff, P., Herrmann, N., Chen, J., & **Mah, L.** Paper presentation.
(Trainee Presentation, Stella Bae, Undergraduate Research Assistant, Primary Supervisor).
- 2019 Jun **Presenter.** Subjective Memory Ability in Mild Cognitive Impairment and Subjective Cognitive Decline and Association with Hippocampal Volume. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Groe, K., Chan, F., Liang, D., Ali, A., Mulder-Heijstra, M., Vander Morris, S., Verhoeff, N.P.L.G., Herrmann, N., & **Mah, L.** Paper presentation.
(Trainee Presentation, Katalin Groe, Co-op student, Primary Supervisor).
- 2019 Jun **Presenter.** 2-to-1 Breathing Enhances Parasympathetic Nervous System Activity in Healthy Young and Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Survilla, K., Bae, S., Matthews, J., Chen, J., & **Mah, L.** Paper presentation.
(Trainee Presentation, Kate Survilla, Co-op student, Primary Supervisor).
- 2019 Jun **Presenter.** Dorsomedial Prefrontal GABA+/Cr Levels Correlate with Memory and Personality in Older Adults at Risk for Alzheimer's Disease. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Murari, G., Liang, D., Chan, F., Ali, A., Mulder-Heijstra, M., Chen, J., & **Mah, L.** Paper presentation.
(Trainee Presentation, Geetanjali Murari, Research Associate, Primary Supervisor).
- 2019 Jun **Presenter.** Subjective Memory Ability Correlates with Functional Connectivity between both the Hippocampus and Parahippocampal Gyrus with the Posterior Default Mode Network in Cognitively Normal Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto.

- Toronto, Ontario, Canada. Presenter(s): Sharma, N., Liang, D., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Herrmann, N., Chen, J. & **Mah, L.** Paper presentation.
(Trainee Presentation, Namita Sharma, Summer Student, Primary Supervisor).
- 2019 Jun **Presenter.** No Association between Trazodone and QTc Prolongation in Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Armstrong, S.E.M., Brown, H.K., Shorey, C., Madan, R., Szabuniewicz, C., Koh, S., Crépeau-Gendron, G., & **Mah, L.** Paper presentation.
(Trainee Presentation, Sabrina Armstrong, Research Assistant, Primary Supervisor).
- 2018 Jun **Speaker.** Association between Openness Personality Trait and Memory in Cognitively Normal Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Yuen, K., Gingoyon, A., Shorey, C., Szabuniewicz, C., Elmi, S. & **Mah, L.**
(Trainee Presentation, Kim Yuen, Research Assistant, Primary Supervisor).
- 2018 Jun **Presenter.** Association between Subjective Memory and Attention towards Threat in Cognitively Normal Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Oki, L., Patel, N., Yuen, K., Gingoyon, A. & **Mah, L.**
(Trainee Presentation, Leanna Oki, Co-op Student, Primary Supervisor).
- 2018 Jun **Presenter.** Effects of Simple Breathing Manoeuvres on Heart Rate Variability in Healthy Individuals. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Bae, S., Gingoyon, A., Chen, J.J. & **Mah, L.**
(Trainee Presentation, Stella Bae, Undergraduate Research Assistant, Primary Supervisor).
- 2017 Jun **Presenter.** Impaired Positive Emotional Verbal Memory in DSM5 Mild Neurocognitive Disorder. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Ali, A., Knezevic, D., Szabuniewicz, C., Verhoeff, P., Fischer, C., Flint, A., Herrmann, N., Mulsant, B., Pollock, B., Rajji, T. & **Mah, L.** PACT-MD Study Group.
(Trainee Presentation, Aliya Ali, Undergraduate Research Assistant, Primary Supervisor).
- 2017 Jun **Presenter.** Age is a Greater Predictor of QTc Prolongation than Citalopram in Geriatric Patients. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Shorey, C., Crépeau-Gendron, G., Brown, H. & **Mah, L.**
(Trainee Presentation, Carrie Shorey, Research Assistant, Primary Supervisor).
- 2016 Jun **Presenter.** Risk of QTc Prolongation Associated with Citalopram or Escitalopram in Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Crépeau-Gendron, G., Veinich, S. & **Mah, L.**
(Trainee Presentation, Gabrielle Crépeau-Gendron, PGY-6, Primary Supervisor).
- 2016 Jun **Presenter.** Association between the Montreal Cognitive Assessment (MoCA) and Mini-Mental State Exam (MMSE) with Clinical Dementia Rating scale (CDR) in Individuals with Mild Neurocognitive Disorder. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Pierre, B., Melicherchik, A., Lourenco, L., Bowie, C. & Rajji, T.K., **PACT-MD Study Group.**
(Trainee Presentation, Brandon Pierre, Research Assistant of T. Rajji).
- 2015 Jun **Presenter.** Development of a Cognitive Screening Test for Preclinical Alzheimer's Disease. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Herrmann, N., Freedman, M., Anderson, N., Streiner, D. & Verhoeff, P.
- 2015 Jun **Presenter.** Emotional Memory is Impaired in Single-Domain Amnesic Mild Cognitive Impairment. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Law, V., Fu, A., Anderson, N., Verhoeff, P., Pollock, B. & **Mah, L.**
(Trainee Presentation, Vina Law, Work-Study Student, Primary Supervisor).
- 2012 Jun **Presenter.** Cognitive and Functional Impairment in Depressed and Remitted Older Adults. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Wen, M-C., Lee S-H. & **Mah, L.**

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(Trainee Presentation, Ming-Ching Wen, Postdoctoral Fellow, Primary Supervisor).

- 2012 Jun **Presenter.** Age-related Neural Correlates of Emotional Processing Under Explicit and Implicit Attention Conditions. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Shin, E., Leung, R., Pollock, B.G. & **Mah, L.**
(Trainee Presentation, Elizabeth Shin, Work-Study Student, Primary Supervisor).
- 2012 Jun **Presenter.** Relationship between Clinical Severity and Executive Dysfunction in Older Adults with Major Depressive Disorder. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Kiani, K., Vitorino, R., Williams, L., Leung, R., Freel, S. & **Mah, L.**
(Trainee Presentation, Kiannaz Kiani, International Medical Graduate, Primary Supervisor).
- 2012 Jun **Presenter.** Neuropsychological Profiles of Amnesic Mild Cognitive Impairment and Late-Life Depression. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Panastatit, M., Ye, B., & **Mah, L.**
(Trainee Presentation, Mutita Panastatit, Research Fellow, Primary Supervisor).
- 2011 Jun **Presenter.** Relationship between Clinical Severity and Executive Dysfunction in Older Adults with Major Depressive Disorder. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Kiani, K., Vitorino, R., Williams, L., Leung, R., Freel, S. & **Mah, L.**
(Trainee Presentation, Kiannaz Kiani, International Medical Graduate, Primary Supervisor).
- 2011 Jun **Presenter.** Neural Correlates of Emotional Processing in Late-Life Depression. Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Ye, B., Leung, R., Freel, S., Pollock, B.G. & **Mah, L.**
(Trainee Presentation, Bing Ye, Research Assistant, Primary Supervisor).
- 2010 Jun **Presenter.** Age-related Effects on Emotion Regulation. 36th Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Leung, R. & Pollock, B. Paper presentation.
- 2010 Jun **Presenter.** Effect of Stimulus Exposure Duration on Attentional Bias for Fearful Faces. 36th Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Leung, R., Drevets, W.C., Furey, M., **Mah, L.**
(Trainee Presentation, Rachel Leung, Research Assistant, Primary Supervisor).
- 2010 Jun **Presenter.** Attitudes toward Complementary and Alternative Medicine in Geriatric Palliative Care Patients. 36th Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Jin, S., Grief, C., Grossman, D. & **Mah, L.**
(Trainee Presentation, Sherry Jin, Summer Research Student, Primary Supervisor).
- 2008 Jun **Presenter.** Emotional Processing is Altered in Late-Life Depression. 34th Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, McGarry, L.M., Rossi, S.E. & Pollock, B.G. Paper presentation.
- 2008 Jun **Presenter.** Age-related Differences in Attentional Biases for Emotional Stimuli. 34th Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): McGarry, L.M., Rossi, S.E., **Mah, L.** & Pollock, B.G.
(Trainee Presentation, Lucy McGarry, Research Assistant, Primary Supervisor).
- 2008 Jun **Presenter.** Age-related Differences in Perception of Facial Emotions. 34th Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): Rossi, S.E., McGarry, L.M., **Mah, L.** & Pollock, B.G.
- 2007 Jun **Presenter.** Neural Correlates of Emotional Processing Biases in Major Depressive Disorder. 33rd Annual Harvey Stancer Research Day, Department of Psychiatry, University of Toronto. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**, Wood, S.E., Furey, M.L., Fromm, S.J., Pine, D.S. & Drevets, W.C.

HOSPITAL

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- 2019 March **Presenter.** Mood and Personality Characteristics in Mild Cognitive Impairment, Subjective Cognitive Decline, and Cognitively Normal Older Adults without Lifetime Psychiatric Illness. Rotman Research Institute Annual Conference, Toronto, Ontario, Canada. Presenter(s): Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N. & **Mah, L.**
(Trainee Presentation, Frankie Chan, Research Assistant, Primary Supervisor).
- 2013 Mar **Presenter.** Distinct Neural Network and Responses to Emotional Appraisal in Late-Life Depression and Amnesic Mild Cognitive Impairment. Rotman Research Institute Annual Conference in Cognitive Neuroscience, Toronto, Ontario, Canada. Presenter(s): Tang, A., Anderson, N., Kiani, K., Verhoeff, P., Pollock, B. & **Mah, L.**
(Trainee Presentation, Alva Tang, Research Assistant, Primary Supervisor).
- 2013 Mar **Presenter.** Hippocampal Functional Connectivity during Emotional Appraisal in Amnesic Mild Cognitive Impairment and Depression in Late Life. Rotman Research Institute Annual Conference in Cognitive Neuroscience, Toronto, Ontario, Canada. Presenter(s): Shin, E., Tang, A., Anderson, N., Kiani, K., Verhoeff, P., Pollock, B. & **Mah, L.**
(Trainee Presentation, Elizabeth Shin, Work-Study Student, Primary Supervisor).
- 2011 Mar **Presenter.** Emotional Processing in Older Adults with Early- versus Late-Onset Depression. Inaugural Conference of the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit. Toronto, Ontario, Canada. Presenter(s): Leung, R., Freel, S. & **Mah, L.**
(Trainee Presentation, Rachel Leung, Research Assistant, Primary Supervisor).
- 2011 Mar **Presenter.** Emotional Memory in Late-Life Depression and Mild Cognitive Impairment. Inaugural Conference of the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit. Presenter(s): Freel, S., Leung, R. & **Mah, L.**
(Trainee Presentation, Stefanie Freel, Research Assistant, Primary Supervisor)
- 2011 Mar **Presenter.** Relationship between Clinical Severity and Executive Dysfunction in Older Adults with Major Depressive Disorder. Inaugural Conference of the Rotman Research Institute and the Kunin-Lunenfeld Applied Research Unit. Toronto, Ontario, Canada. Presenter(s): Kiani, K., Vitorino, R., Williams, L., Leung, R., Freel, S., **Mah L.**
(Trainee Presentation, Kiannaz Kiani, International Medical Graduate, Primary Supervisor).

Presented and Published Abstracts

- 2010 **Presenter.** Effect of stimulus exposure duration on attentional bias for fearful faces. Rotman Research Institute Conference: The Frontal Lobes. Toronto, Ontario, Canada. Presenter(s): Leung R, Drevets WC, Furey ML, **Mah L.**
(Trainee Presentation, Rachel Leung, Research Assistant, Primary Supervisor).
Publication details:
Leung R, Drevets WC, Furey ML, Mah L. . Effect of stimulus exposure duration on attentional bias for fearful faces. Human Front Neurosci. 2010. **Senior Responsible Author.**

Media Appearances

- 2014 Nov 12 "Anxiety can damage brain and accelerate Alzheimer's, researchers say". U of T News, University of Toronto, Available from: <https://www.utoronto.ca/news/anxiety-can-damage-brain-and-accelerate-alzheimers-researchers-say>

G. Teaching and Design

1. INNOVATIONS AND DEVELOPMENT IN TEACHING AND EDUCATION

- 2012 Sep–Dec Evidence-Based Medicine Rounds, Psychiatry Staff and Postgraduate trainees, Department of Psychiatry, Baycrest, University of Toronto. *10 hr/year.*

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2011 – 2014	Statistics/Critiquing Journal Articles, Psychiatry Staff and Postgraduate trainees, Department of Psychiatry, Baycrest, University of Toronto. <i>2 hr/year.</i>
2010 – 2013	Psychiatric Formulation, Postgraduate trainees, Department of Psychiatry, Baycrest, University of Toronto. <i>3 hr/year.</i>
2009 – 2010	How to Critique Journal Articles in Psychiatry, Postgraduate trainees, Department of Psychiatry, Baycrest, University of Toronto. <i>2-3 hr/year. Overall Rating: 4.5/5.0</i>
2009 – 2010	PDQ Statistics Psychiatry Staff and Postgraduate trainees, Department of Psychiatry, Baycrest, University of Toronto. <i>2-3 hr/year. Overall Rating: 4.5/5.0</i>
2007	Personality Disorders in the Elderly, Postgraduate trainees, Department of Psychiatry, Baycrest, University of Toronto. <i>1 hour</i>
1997 – 1998	Department of Psychiatry, McGill University. <i>250 hours; Psychiatric Interviewing Course; Psychiatric Diagnosis and Management; Mock Oral Examiner</i>
1997	Psychotropic Medications in Pregnancy, Psychiatry Residents, Department of Psychiatry, McGill University. <i>1 hour</i>
1997	Anxiety Disorders, Clinical Clerk Teaching, Department of Psychiatry, McGill University. <i>1 hour</i>
1997	Delusional Disorders in the Elderly, Family Medicine Residents, Department of Psychiatry, McGill University. <i>2 hours</i>

H. Research Supervision

1. PRIMARY OR CO-SUPERVISION

Graduate

2018 Sep – 2019 Sep **Co-supervisor.** Emily Alexander (Primary supervisor, Claude Alain). Supervisee Position: Master's student. Supervisee Institution: University of Toronto, Department of Psychology. Thesis/Project Title: *Investigating the role of emotion in speech-in-noise perception for individuals with clinical depression.*

Postgraduate MD

2015 Jan - 2016 July **Primary Supervisor.** MD, Subspecialty. Gabrielle Crepeau-Gendron, Geriatric Psychiatry. Supervisee Position: PGY-6 Geriatric Psychiatry, Supervisee Institution: Rotman Research Institute, Baycrest Health Sciences.

Thesis/Project Title: *Effect of citalopram on QTc prolongation in the geriatric setting.*
Current Position: Assistant Professor, Geriatric Psychiatry, Universite de Montreal

2014 Jul - 2015 Jun **Primary Supervisor.** MD, Subspecialty. Diana Nicolici, Geriatric Psychiatry. Supervisee Position: PGY-6 Geriatric Psychiatry, Supervisee Institution: Rotman Research Institute, Baycrest Health Sciences.

Thesis/Project Title: *Impact of depression on physical rehabilitation outcome in older adults.*
Current Position: Lecturer, Geriatric Psychiatry, University of Toronto

2010 - 2012 **Primary Supervisor.** MD. Kiannaz Kiani. Supervisee Position: International Medical Graduate, Supervisee Institution: Rotman Research Institute, Baycrest.
Current Position: Independent Practitioner, Family Medicine, Winnipeg, Manitoba

Postdoctoral Research Fellow (PhD)

2012 - 2013 **Primary Supervisor.** PhD. Ming-Ching Wen. Supervisee Position: Post-Doctoral Fellow, Supervisee Institution: Rotman Research Institute, Baycrest.

Thesis/Project Title: *Diffusion tensor imaging in mild cognitive impairment.*

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Current Position: Scientist, National Neuroscience Institute, Singapore

2010 **Primary Supervisor.** PhD. Lynne Williams, KLRU. Supervisee Position: Post-Doctoral Fellow, Supervisee Institution: Rotman Research Institute, Baycrest.
Thesis/Project Title: *Functional magnetic resonance in late-life depression and mild cognitive impairment.*
Current Position: Staff Scientist & Technology Integration Manager, BC Children's Hospital Research Institute, Vancouver, BC

Clinical Research Fellow (MD)

2018 Jul – present **Primary Supervisor.** MD. Mirjam Mulder-Heijstra, Geriatric Psychiatry. Supervisee Position: Clinical Research Fellow, Supervisee Institution: Rotman Research Institute, Baycrest.
Awards: Fellow Travel Award, University of Toronto Postgraduate Medicine, Psychiatry.

2017 Jun – 2018 Jun **Primary Supervisor.** MD. Sarah Elmi, Geriatric Psychiatry. Supervisee Position: Clinical Research Fellow, Supervisee Institution: Rotman Research Institute, Baycrest.
Awards: Travel Fellowship Award, Alzheimer's Association International Conference.
Current Position: Geriatric Psychiatrist, Ontario Shores Mental Health, Toronto

2011 - 2012 **Primary Supervisor.** MD. Mutita Panasatit, Geriatric Psychiatry. Supervisee Position: Geriatric Psychiatry Postdoctoral Fellow, Supervisee Institution: Rotman Research Institute, Baycrest.
Current Position: Staff Psychiatrist, Department of Psychiatry, Faculty of Medicine, Ramathibodi Hospital, Thammasat University, Bangkok, Thailand

2. OTHER SUPERVISION

Thesis Examiner

2015 Sep **MAsc.** Alexander Terpstra, Rehabilitation Sciences. Supervisee Institution: University of Toronto. *Anxiety in chronic moderate to severe traumatic brain injury: Measurement and relation to hippocampal volume loss.* Supervisor(s): Robin Green.

2013 Jun **PhD.** Steven Greening, Anatomy and Cell Biology. Supervisee Institution: University of Western Ontario. *Flexibly adapting to emotional cues: Examining the functional and structural correlates of emotional reactivity and emotion control in healthy and depressed individuals.* Supervisor(s): Derek Mitchell.

2013 Jun **MSc.** Kira Bensimon. Pharmacology and Toxicology. Supervisee Institution: University of Toronto. *The Inflammatory and Neuroanatomical Factors Involved in Post-stroke Depression.* Supervisor(s): Krista Lanctôt.

Research Internship

2019 Sept – 2019 Dec **Primary Supervisor.** Munira Kashem, Supervisee Position: Research Analyst Student Intern, Humber College, Toronto. Supervisee Institution: Baycrest.

2017 Sept – 2018 Mar **Primary Supervisor.** Kiran Singh, Supervisee Position: Research Analyst Student Intern, Humber College, Toronto. Supervisee Institution: Baycrest.

Co-op Students

2018 July– August **Primary Supervisor.** Myra Agarwal, Co-op Student, St. Clement's School, Toronto, Ontario.

2019 Sept – 2020 April **Primary Supervisor.** Sylvia Beda, Co-op student, 3rd year Epidemiology major, University of Toronto, Toronto

2019 Sept – 2020 April **Primary Supervisor.** Momina Ahmed, Co-op student, 3rd year Biology major, University of Toronto, Toronto

2019 Jan – Dec **Primary Supervisor.** Katalin Groe, University of Toronto Scarborough, Toronto.
Thesis/Project Title: *Early Detection of Cognitive Impairment in Older Adults. Present Position: Co-op student.*

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- 2019 Jan – Dec **Primary Supervisor.** Kate Survilla, University of Toronto Scarborough, Toronto.
Thesis/Project Title: *Development of a novel behavioural intervention to improve emotional well-being in older adults.* Present Position: Co-op student.
- 2017 - 2018 **Primary Supervisor.** 2nd Year, H.B.Sc. Stella Bae, Mental Health Specialist. Supervisee Position: Co-op Student, Supervisee Institution: University of Toronto Scarborough.
- 2017 - 2018 **Primary Supervisor.** 2nd Year, H.B.Sc. Leanna Oki, Psychology. Supervisee Position: Co-op Student, Supervisee Institution: University of Toronto Scarborough.
- 2014 - 2017 **Primary Supervisor.** B.Sc. Aliya Ali, Biology. Supervisee Position: Co-op Student, Supervisee Institution: Queen's University.

Summer Students

- 2019 Jul – Aug **Primary Supervisor.** Myra Agarwal, Volunteer Research Assistant. Supervisee Institution: St. Clement's Secondary School, Toronto.
- 2019 Jul – Aug **Primary Supervisor.** Angela Zhang, Volunteer Research Assistant. Supervisee Institution: Bayview Secondary School, Toronto.
- 2019 July – Aug 2019 **Primary Supervisor.** B.Sc. Namita Sharma, Psychology, Summer Undergraduate Research Program, University of Toronto Institute of Medical Sciences. Supervisee Institution: University of Toronto.
- 2019 June – 2019 Aug **Primary Supervisor.** Yu Yongfei, International Summer Undergraduate Research Program, University of Toronto Institute of Medical Sciences. Supervisee Institution: Nanjing University Medical School, People's Republic of China.
- 2012 **Primary Supervisor.** 2nd year, B.Sc. Bonnie Cheung, Health Sciences. Supervisee Position: Summer Student, Supervisee Institution: McMaster University.
- 2012 **Primary Supervisor.** 3rd year. Sabrina Phan, Psychology. Supervisee Position: Summer Student, Supervisee Institution: University of Toronto.
- 2010 **Primary Supervisor.** Michelle Dubinsky. Supervisee Position: Summer Student, Supervisee Institution: McMaster University.
- 2009 **Primary Supervisor.** Jessica Malach. Supervisee Position: Summer Student, Supervisee Institution: McMaster University.
- 2009 - 2010 **Primary Supervisor.** 4th year, B. Sc. Sherry Jin, Neuroscience. Supervisee Position: Summer Student and Volunteer Undergraduate Research Assistant, Supervisee Institution: University of Toronto.

Work-Study Students

- 2015 - 2017 **Primary Supervisor.** H.B.Sc. Yue Li, Psychology. Supervisee Position: Student Work-study Student and Volunteer Undergraduate Research Assistant, Supervisee Institution: University of Toronto.
- 2012 - 2013 **Primary Supervisor.** 4th year, B.Sc. Nauman Malik, Human Biology Specialist. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto Scarborough.
- 2012 - 2014 **Primary Supervisor.** 2nd year, B.Sc. Saba Shahab, Science. Supervisee Position: Work-study Student and Volunteer Undergraduate Research Assistant, Supervisee Institution: University of Toronto. Awards: Baycrest Research in Print Award.
- 2012 - 2013 **Primary Supervisor.** BA. Eva Shin, Psychology. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.
- 2012 - 2014 **Primary Supervisor.** BA. Alva Tang, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: University of Toronto.
- 2011 - 2012 **Primary Supervisor.** 2nd year, B. Sc. Buddhi Hatharaliyadda, Neuroscience. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.
- 2011 - 2012 **Primary Supervisor.** 2nd year, B. Sc. Amirah Momen, Neuroscience. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.
- 2011 - 2012 **Primary Supervisor.** 4th year. Emily Tian, Psychology. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

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2011 - 2012 **Primary Supervisor.** 4th year. Elizabeth Shin, Psychology. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2011 **Primary Supervisor.** 4th year. Sharon Chan, Psychology. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2011 **Primary Supervisor.** 3rd year, B.Sc. Mengxi Dong, Neuroscience Specialist. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2011 **Primary Supervisor.** 2nd year. Claudia Szabuniewdycz, Mental Health Specialist. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2011 **Primary Supervisor.** 3rd year, B. Sc. Reza Nabavizadeh, Human Biology. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2011 **Primary Supervisor.** 1st year, B. Sc. Gerry Gotesman, Molecular Genetics Specialist. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2010 - 2011 **Primary Supervisor.** 2nd year. Charis Kellow, Mental Health Specialist. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

2009 - 2010 **Primary Supervisor.** 2nd year. B. Sc. Priyanga Yogalingam, Neuroscience. Supervisee Position: Work-study Student, Supervisee Institution: University of Toronto.

Research Assistants (contract)

2019 Jun – present **Primary Supervisor.** Christina Deonarain, Psychology. Research assistant. Supervisee Institution: Baycrest.

2018 Dec – present **Primary Supervisor.** Geetanjali Murari, Psychology. Research assistant. Supervisee Institution: Baycrest.

2019 Jan – present **Primary Supervisor.** Stella Bae, Mental Health Specialist. Present position: Undergraduate research assistant. Supervisee Institution: Baycrest.

2018 Aug – present **Primary Supervisor.** Darren Liang, Psychology. Research assistant. Supervisee Institution: Baycrest.

2018 Aug – 2019 Jul **Primary Supervisor.** Jennifer Petryschuk, Mental Health specialist. Research assistant. Supervisee Institution: Baycrest.

2018 Jun – 2019 Jul **Primary Supervisor.** Frankie Chan, Psychology. Research assistant. Supervisee Institution: Baycrest.

2018 May – 2019 Jul **Co-Supervisor.** Sabrina Armstrong, Psychology. Research assistant. Supervisee Institution: Baycrest.

2018 May – 2019 Apr **Primary Supervisor.** Brooke Koplinsky, Psychology. Research assistant. Supervisee Institution: Baycrest.

2018 Mar – 2018 Aug **Primary Supervisor.** Kimberley Yuen, Honours Kinesiology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2018 Feb – 2018 Aug **Primary Supervisor.** Argie Gingoyon, Neuroscience and Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2017 Dec – 2018 July **Primary Supervisor.** Namita Patel, Human Biology and Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2017 - 2018 **Primary Supervisor.** Rini Ilangomaran, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2016 - 2017 **Primary Supervisor.** Dunja Knezevic, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2013 – 2015 **Primary Supervisor.** Alva Tang, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2011 – 2012 **Primary Supervisor.** Bing Ye, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2010 - 2011 **Primary Supervisor.** Stefanie Freel, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

2009 - 2011 **Primary Supervisor.** Rachel Leung, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.

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- 2008 - 2009 **Primary Supervisor.** Lucy McGarry. Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.
- 2007 - 2008 **Primary Supervisor.** Seana Rossi, Psychology. Supervisee Position: Research Assistant, Supervisee Institution: Baycrest.
- 2003 - 2005 **Primary Supervisor.** Suzanne Wood. Supervisee Position: Research Assistant, Supervisee Institution: National Institute of Mental Health.

I. Creative Professional Activities

1. PROFESSIONAL INNOVATION AND CREATIVE EXCELLENCE

Invited Public Lectures

- 2019 Apr 30 **Invited Lecture.** Mood, Memory, and Dementia. Apotex Residents Advisory Council, Baycrest Health Sciences. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**
- Residents of the long-term care facility, Apotex, housed within Baycrest Health Sciences were interested in learning about memory and dementia and one of the consulting psychiatrists at Apotex put my name forward as an expert who could craft a talk for this target audience. Attendees included approximately 45 frail and mild to moderately cognitively impaired long-term care residents, some family members, and several therapeutic recreation staff.
- Target Stakeholder: Apotex Long-term Care Facility Residents and Staff.
Impact: Community Engagement, Public Education.
- 2019 Apr 26 **Invited Lecture.** Good Stress, Bad Stress. Academy of Well-being, Organizational Development and Learning Centre, University of Toronto. Toronto, Ontario, Canada. Presenter(s): **Mah, L.** Available from: http://www.odlc.utoronto.ca/index.php?option=com_jevents&task=icalrepeat.detail&evid=5391&Itemid=65&year=2019&month=04&day=26&title=good-stress-bad-stress&uid=f009953ca0b6fd74ec8a655c858f59e1&catid=46
- The Academy of Well-being is a series of talks for staff and faculty organized by University of Toronto's Organizational Development and Learning Centre to promote health and wellness. These talks are described as a "series featuring U of T experts who are not only doing leading edge research into the most important factors that contribute to your well-being, but are also gifted communicators and presenters. You will learn not only the science of a life well lived but also gain some very practical applications that are immediately useful." <http://www.odlc.utoronto.ca/events/livingwell>
- Target Stakeholder: University of Toronto Staff and Faculty.
Impact: Health and Wellness Promotion, Community Engagement.
- 2018 Aug 21 **Invited Lecture.** Good stress, Bad Stress. University of Toronto Where You Are Alumni Outreach. Hong Kong Special Administrative Region (SAR) of the People's Republic of China. Presenter(s): **Mah, L.**
- Target Stakeholder: Hong Kong Foundation Chairs' Circle.
Impact: Alumni Relations, Foundation Support.
- I delivered a lecture at a dinner in Hong Kong, SAR, hosted by a U of T delegation (David Palmer, Vice-President, Advancement, Gillian Morrison, Assistant Vice-President, University Development, Barbara Dick, Assistant Vice-President, Alumni Relations, University of Toronto) for members of the Hong Kong Foundation Chair's Circle, which includes U of T alumni and other individuals with a connection to U of T to build alumni relations and promote fund-raising for University of Toronto.

Linda MAH

- 2018 Aug 20 **Invited Lecture.** Good stress, Bad Stress. Asia-Pacific Region Lecture Series, University of Toronto Where You Are Alumni Outreach. Hong Kong Special Administrative Region (SAR) of the People's Republic of China. Presenter(s): **Mah, L.** Available from: <https://alumni.utoronto.ca/events-and-programs/hong-kong-sar-good-stress-bad-stress>
<https://www.flickr.com/photos/130549914@N08/albums/72157670493014747>
- Target Stakeholder: University of Toronto Alumni in Hong Kong.
Impact: Alumni Relations, Foundation Support, Community Engagement.
- U of T Where You Are Alumni Outreach organizes a lecture series marketed as “Come Out And Hear Ground-Breaking Ideas From U of T. U of T’s popular lecture series comes to where you live and work, in cities around the world. Stay informed, get inspired! Every presentation offers compelling ideas from interesting people.” <https://alumni.utoronto.ca/events-and-programs/uoft-where-you-are>
- 2018 Jun 1 **Invited Lecture.** Good Stress, Bad Stress. University of Toronto Alumni Reunion Stress-Free Degree Lecture series, University of Toronto’s Division of Advancement, Alumni Relations. Toronto, Ontario, Canada. Presenter(s): **Mah L.**
- Target Stakeholder: University of Toronto Alumni.
Impact: Alumni Relations, Community Engagement, Public Education.
- U of T Alumni Reunion weekend includes the Stress-Free Degree Lecture series for which I was asked to deliver a lecture based on my work on anxiety and stress as a risk factor for Alzheimer’s disease. The talk was geared for a lay alumni audience of various ages and diverse academic backgrounds, that was based on academic content but was not too technical or field specific that would require the audience to have specialized subject knowledge.
- 2018 Apr 17 **Invited Lecture.** Cognitive Screening: What is it, Who needs it, and What does it mean? Toronto Reference Library. Toronto, Ontario, Canada. Presenter(s): **Mah, L.**
- Target Stakeholder: General Public.
Impact: Community Engagement, Public Education, Health Promotion and Wellness.
- This was a talk delivered at the Toronto Reference Library that was geared towards lay people to explain and review cognitive screening of older adults by health care professionals. It was one of a series of talks organized by Baycrest Health Sciences for community outreach.

2. CONTRIBUTIONS TO THE DEVELOPMENT OF PROFESSIONAL PRACTICES

- 2016 Mar **Ad hoc reviewer.** I was one of 3 identified experts invited by the Canadian Academy of Geriatric Psychiatry (CAGP) to critically evaluate a manuscript that reviewed the evidence for deprescribing a class of psychotropic medications, with the goal of developing a set of practice guidelines for tapering and discontinuation. The manuscript had been sent to CAGP for endorsement. Based on our review which identified important gaps, the CAGP declined to endorse the manuscript’s recommendations as practice guidelines (letter from CAGP acknowledging my role is attached).
- 2015 Jul **Ad hoc reviewer.** I was invited by the Canadian Academy of Geriatric Psychiatry (CAGP) to critically evaluate a manuscript that reviewed the evidence for deprescribing of a(nother) class of psychotropic medications in order to develop a set of recommendations to be used as practice guidelines for tapering and discontinuation. Because of the poor quality of available evidence, I concluded that there was inadequate data to make clear recommendations. The CAGP decided not to endorse the recommendations outlined in the manuscript as practice guidelines.