CURRICULUM VITAE

Darren Ri-Sheng Liang

Education

09/2020 – Present	**University of Western Ontario, London, Canada** Masters of Science (M.Sc.), Candidate Cognitive, Developmental and Brain Sciences (CDBS) in Psychology *Proposed thesis:* Role of the hippocampus and default-mode network during narrative integration in depression *Supervisor:* Stefan Köhler
09/2014 – 06/2018	**University of Toronto, Toronto, Canada** Honours Bachelors of Science (H.B.Sc.), Graduated with Distinction Specialist Cooperative Program in Psychology *cGPA:* 3.24/4.00 *Project:* The role of oscillatory brain networks in understanding age-related decline in speech perception *Supervisor:* Bernhard Ross

Work Experience

01/2022 – Present	**University of Western Ontario, London, Canada** Graduate Teaching Assistant *Course:* PSYCHOL 3800G Psychological Statistics Using Computers
09/2021 – 12/2021	**University of Western Ontario, London, Canada** Graduate Teaching Assistant *Course:* PSYCHOL 3800F Psychological Statistics Using Computers
09/2020 – 04/2021	**University of Western Ontario, London, Canada** Graduate Teaching Assistant *Course:* PSYCHOL 2800E Research Methods in Psychology
08/2019 – 06/2020	**Baycrest Health Sciences, Toronto, Canada** Manager, Laboratory *Supervisor*: Linda Mah
08/2018 – 08/2019	**Baycrest Health Sciences, Toronto, Canada** Research Assistant *Supervisor:* Linda Mah
06/2018 – 08/2018	**Syneos Health, Toronto, Canada** Volunteer Recruiter I, Early Phase *Industry,* CRO in pharmaceutical clinical trials
05/2016 – 12/2016	**Baycrest Health Sciences, Toronto, Canada** Research Assistant, Co-op *Supervisor:* Bernhard Ross

Honors & Awards

09/2021 – 08/2022	**Western Graduate Research Scholarship** University of Western Ontario

04/2021	**Reva Gerstein Fellowship for Masters Study in Psychology** Department of Psychology University of Western Ontario
09/2020 – 08/2021	**Western Graduate Research Scholarship** University of Western Ontario
06/2019	**Best Geriatric Poster Award** Harvey Stancer Research Day Department of Psychiatry, University of Toronto

Publications & Presentations

Publications

Murari, G., **Liang, D.R.S.**, Ali, A., Chan, F., Mulder-Heijstra, M., Verhoeff, N.P.L.G., Herrmann, N., Chen, J.J., & Mah, L. (2020). Prefrontal GABA levels correlate with memory in older adults at high risk for Alzheimer's disease. *Cerebral Cortex Communications*, *1*(1), https://doi.org/10.1093/texcom/tgaa022.

Submitted Articles

Sharma, N., **Liang, D.R.S.,** Murari, G., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N., Chen, J.J., & Mah, L. (2020). Functional connectivity between the posterior default mode network and medial temporal lobe is disrupted in older adults with subjective cognitive decline and correlates with subjective memory ability.

Poster Presentations

Mah, L., Murari, G., **Liang, D.,** Herrmann, N., Chen, J.J., Verhoeff, N.P.L.G. (2020). *Prefrontal GABA correlates with memory in older adults at risk for Alzheimer's disease (AD).* Organization for Human Brain Mapping Annual Meeting. Montreal, Canada.

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

Sharma, N., **Liang, D.,** Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Herrmann, N., Chen, J.J., & Mah, L. (2019). *Subjective memory ability correlates with functional connectivity between both 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, Canada

Murari, G., **Liang, D**., Chan, F., Ali, A., Mulder-Heijstra, M., Chen, J.J., & Mah, L. (2019). *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, Canada.

Bae, S., **Liang, D**., Mulder-Heijstra, M., Ali, A., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N., Chen, J.J., & Mah, L. (2019). *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, Canada.

Groe, K., Chan, F., **Liang, D**., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N., & Mah, L. (2019). *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, Canada.

Mah, L., Mulder-Heijstra, M., Ali, A., Chan, F., **Liang, D**., Vandermorris, S., Verhoeff, N.P.L.G, Herrmann, N., & Chen, J.J. (2019). *Relationship between emotion regulation strategy and neuroimaging biomarkers of Alzheimer's disease*. Organization for Human Brain Mapping Annual Meeting. Rome, Italy.

Mah, L., **Liang, D**., Chan, F., Ali, A., Mulder-Heijstra, M., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N., & Chen, J.J. (2019). *Subjective memory ability correlates with functional connectivity between the hippocampus and posterior default mode network in cognitively normal older adults.* Canadian Neuroscience Meeting. Toronto, Canada.

Bae, S., **Liang, D**., Mulder-Heijstra, M., Ali, A., Chan, F., Vandermorris, S., Verhoeff, N.P.L.G., Herrmann, N., Chen, J.J. & Mah, L. (2019). *Association between emotion regulation and medial temporal lobe in older adults with subjective cognitive decline.* International Congress on Magnetic Resonance Imaging. Seoul, South Korea.

Memberships

09/2021 – Present	**Psychology Colloquium Committee, University of Western Ontario** Committee Member
03/2021 – Present	**Cognitive Neuroscience Society** Graduate Student Member

Research Skills & Expertise

- Experience in multimodal neuroimaging including recruitment, data collection and analyses using techniques in MEG, MRI, EEG, and PET in multi-site clinical studies
- Developed functions for experiments and analyses utilizing Python, MATLAB, SPSS, R, Presentation, and Unix programming languages in Linux and Windows-based machines
- Proficient use of PubMed, PsycINFO, Ovid, and other search engines for research of academic articles intended for research proposals, abstracts, presentations, publications
- Committed to Standard Operating Procedures (SOPs), related FDA, Good Clinical Practice (GCP), ICH guidelines, Tri-Council Policy Statement, and research ethics board standards for working with confidential information involving human subjects