

Curriculum Vitae

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(Stephen) Chun Lun Lau

Contact Information

- Business Number: (314) 273-3277
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Program in Occupational Therapy
Washington University School of Medicine
MSC 8505-45-1
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St. Louis, MO 63110
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Present Position

2023 – present Assistant Professor, Program in Occupational Therapy
Washington University School of Medicine, St. Louis, MO

Education

Undergraduate

2012 – 2016 BS (Honors) in Occupational Therapy; Department of Rehabilitation Sciences,
Hong Kong Polytechnic University, Hong Kong, China

Graduate

2017 – 2022 PhD in Rehabilitation and Participation Science; Program in Occupational
Therapy, Washington University School of Medicine, St. Louis, MO

Academic Positions / Employment:

2016 – 2017 Research Assistant, Hong Kong, China
Department of Rehabilitation Sciences, The Hong Kong Polytechnic University

2022 – 2023 Postdoctoral Associate, Pittsburgh, PA
Department of Occupational Therapy, University of Pittsburgh

University, School of Medicine and Hospital Appointments and Committees

2018 – 2019 Department Senator, The Graduate Student Senate, Washington University in
St. Louis

2018 – 2019 Department Representative, The Graduate Council, Washington University in
St. Louis

Teaching Title and Responsibilities

- 2019 Teaching Assistant & Guest Lecturer
OT5782 – Neuroscience Principles of Performance I
Program in Occupational Therapy, Washington University School of Medicine
- 2021 Instructor
OT638/648/658 – OTD Mentored Scholarship I, II, III
Program in Occupational Therapy, Washington University School of Medicine
- 2021 Guest Lecturer
OT682 – Translational Science in Action
Program in Occupational Therapy, Washington University School of Medicine
- 2021 Instructor
OT638/648/658 – OTD Mentored Scholarship I, II, III
Program in Occupational Therapy, Washington University School of Medicine
- 2022 Instructor
OT638/648/658 – OTD Mentored Scholarship I, II, III
Program in Occupational Therapy, Washington University School of Medicine
- 2022 Guest Lecturer
OT660 – Biopsychosocial Factors Influencing Performance and Participation
Program in Occupational Therapy, Washington University School of Medicine

Medical Licensure and Certification

- 2016 – present Registered Occupational Therapist, Hong Kong
ID: #OT201665
- 2021 – present Certified Leader, Chronic Disease Self-Management Program

Honors and Awards

- 2018 Travel Award for Secondary Data Analysis of Archived Studies, NIH Center for Large Data Research & Data Sharing in Rehabilitation (CLDR), National Institute of Child Health and Human Development (\$2,500)

Editorial Responsibilities

- 2019 Manuscript Reviewer, Journal of Patient-Reported Outcomes
- 2021 Manuscript Reviewer, Disability and Rehabilitation
- 2022 Manuscript Reviewer, Scientific Reports
- 2022 Manuscript Reviewer, Diagnostics

2023 Manuscript Reviewer, Neuropsychiatric Disease and Treatment

2023 Manuscript Reviewer, BMJ Open

2023 Manuscript Reviewer, Journal of Affective Disorders

2023 Manuscript Reviewer, Digital Health

2023 Manuscript Reviewer, Brain and Behavior

2023 Manuscript Reviewer, Archives of Physical Medicine and Rehabilitation

Professional Societies and Organizations

2018 – Present Member, American Congress of Rehabilitation Medicine

2020 – Present Member, American Occupational Therapy Association

2022 – Present Member, American Society of Neurorehabilitation

Research support

Governmental

2018 – 2019 Graduate Assistant, Recovery Dynamics of Depression, Social Support, and Functional Status in Stroke Survivors after Inpatient Rehabilitation: Longitudinal Evidence from the Stroke Recovery in Underserved Populations Study Center for Large Data Research & Data Sharing in Rehabilitation (CLDR) Pilot Project Program, National Institute of Child Health and Human Development, P2CHD065702, Center PI, Ottenbacher; Project PI, Wong (\$18,000)

Trainee/Mentee/Sponsorship Record

2020 Li, S.
Doctorate of Occupational Therapy, Washington University School of Medicine
Poster presentation, American Occupational Therapy Annual Conference & Expo 2021

2020 Chin, J.
Doctorate of Occupational Therapy, Washington University School of Medicine
Poster presentation, American Occupational Therapy Annual Conference & Expo 2021

2020 Tomazin, R.
Doctorate of Occupational Therapy, Washington University School of Medicine,
Manuscript published in American Journal of Occupational Therapy

- 2020 – 2021 DePaul, O.
Doctorate of Occupational Therapy, Washington University School of Medicine
Manuscript published, American Journal of Occupational Therapy
- 2020 – 2021 Judycki, S.
Doctorate of Occupational Therapy, Washington University School of Medicine
Manuscript published, American Journal of Occupational Therapy
- 2020 – 2021 Oral presentation, World Federation of Occupational Therapists Conference 2022
Poster presentation, World Federation of Occupational Therapists Conference 2022
- 2020 – 2022 Mix, M.
Doctorate of Occupational Therapy, Washington University School of Medicine
Manuscript published, American Journal of Occupational Therapy
Oral presentation, World Federation of Occupational Therapists Conference 2022
Poster presentation, World Federation of Occupational Therapists Conference 2022
- 2021 – 2022 Sean, C.
Doctorate of Occupational Therapy, Washington University School of Medicine.
- 2021 – 2022 Wei, T.
Doctorate of Occupational Therapy, Washington University School of Medicine,
Manuscript in preparation
- 2021 – 2022 Bright, L.
Doctorate of Occupational Therapy, Washington University School of Medicine,
Manuscript under review
Manuscript in preparation

Bibliography

Original, peer reviewed articles in refereed journals

1. Wong, A.W.K., Lau, S.C.L., Cella, D., Lai, J.S., Xie, G., Chen, L., Chan, C.C.H., & Heinemann, A.W. (2017). Linking of the Quality of Life in Neurological Disorders (Neuro-QoL) to the International Classification of Functioning, Disability and Health (ICF). *Quality of Life Research*, 26(9), 2435-2448, DOI: 10.1007/s11136-017-1590-9.
2. Chan, S.C.C., Chan, C.C.H., Derby, A.Y., Hui, I., Tan, D.G.H, Pang, M.Y.C., Lau, S.C.L., Fong, K.N.K. (2017). Chinese calligraphy writing for augmenting attentional control of older adults at risk of mild cognitive impairment: A randomized controlled trial. *Journal of Alzheimer's Disease*, 58(3), 735-746, DOI: 10.3233/JAD-170024.

3. Wong, A.W.K., Chang, T.T., Christopher, K., **Lau, S.C.L.**, Beupin, L.K., Love, B., Lipsey, K.L. & Feuerstein, M. (2017). Patterns of unmet needs in adolescent and young adult (AYA) cancer survivors: In their own words. *Journal of Cancer Survivorship*, 11(6), 751-764, DOI: 10.1007/s11764-017-0613-4.
4. Hong, W-J, Tao, J., Wong, A.W.K., Yang, S-L, Leung, M-T, Lee, T.M.C., Demeyere, N., **Lau, S.C.L.**, Chien, C-W, Chan, C.C.H., Chen, L-D. (2018). Psychometric properties of the Chinese (Putonghua) version of the Oxford Cognitive Screen (OCS-P) in sub-acute post-stroke patients without neglect. *BioMed Research International*, 2018, 6827854, DOI: 10.1155/2018/6827854.
5. Wong, A.W.K., **Lau, S.C.L.**, Fong, M.W.M., Cella, D., J.S., Xie, & Heinemann, A.W. (2018). Conceptual underpinnings of the quality of life in neurological disorders (Neuro-QoL): Comparisons of core sets for stroke, multiple sclerosis, spinal cord injury and traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, S0003-9993(18), 30206-5, DOI: 10.1016/j.apmr.2018.03.002.
6. Heary, K.O., Wong, A.W.K., **Lau, S.C.L.**, Dengler, J., Thompson, M.R., Crock, L.W., Novak, C.B., Philip, B., Mackinnon, S.E. (2020). Quality of life and psychosocial factors predict post-operative pain relief. *HAND*, 1558944720911213, DOI: 10.1177/1558944720911213.
7. **Lau, S.C.L.**, Bhattacharjya, S., Fong, M.W.M., Nicol, G.E., Lenze, E.J., Baum, M.C., Hardi, A., & Wong, A.W.K. (2020). Effectiveness of theory-based digital self-management interventions for improving depression, anxiety, fatigue and self-efficacy in people with neurological disorders: A systematic review and meta-analysis. *Journal of Telemedicine and Telecare*, 1357633X20955122, DOI:10.1177/1357633X20955122.
8. **Lau, S.C.L.**, Connor, L.T., & Baum, M.C. (2021). Subjective and objective assessments are associated for physical function but not cognitive function in community-dwelling stroke survivors. *Disability and Rehabilitation*, DOI: 10.1080/09638288.2021.2012845.
9. **Lau, S.C.L.**, Baum, M.C., Connor, L.T., & Chang, C-H. (2022). Psychometric properties of the Center for Epidemiologic Studies Depression (CES-D) scale in stroke survivors. *Topics in Stroke Rehabilitation*, DOI: 10.1080/10749357.2022.2026280.
10. **Lau, S.C.L.**, Connor, L.T., Lee, J-M., Baum, M.C. (2022). Depressive symptomatology and functional status among stroke survivors: A network analysis. *Archives of Physical Medicine and Rehabilitation*, 103(7), 1345-1351, DOI: 10.1016/j.apmr.2022.01.143.
11. **Lau, S.C.L.**, Drake, B.F., Sanders-Thompson V.L., & Baum, M.C. (2022). Racial variation in the association between domains of depressive symptomatology and functional recovery in stroke survivors. *Journal of Racial and Ethnic Health Disparities*, DOI: 10.1007/s40615-022-01293-8.
12. **Lau, S.C.L.**, Judycki, S., Mix, M., DePaul, O., Tomazin, R., Hardi, A., Wong, A.W.K., & Baum, M.C. (2022). Theory-based self-management interventions for community-dwelling stroke survivors: A systematic review and meta-analysis. *American Journal of Occupational Therapy*, DOI: 10.5014/ajot.2022.049117.
13. **Lau, S.C.L.**, Connor, L.T., Heinemann, A.W., Baum, M.C. (2022). Cognition and daily life activities in stroke: A network analysis. *OTJR: Occupation, Participation and Health*, DOI: 10.1177/15394492221111730.
14. **Lau, S.C.L.**, Connor, L.T., King, A.A., & Baum, M.C. (2022). Multimodal ambulatory monitoring of daily activity and health-related symptoms in community-dwelling stroke survivors: feasibility, validity, and

acceptability. *Archives of Physical Medicine and Rehabilitation*, S0003-9993(22), 00484-1, DOI: 10.1016/j.apmr.2022.06.002.

15. **Lau, S.C.L.**, Connor, L.T., & Baum, M.C. (2022). Associations between basic psychological need satisfaction and motivation underpinning daily activity participation among community-dwelling stroke survivors: An ecological momentary assessment study. *Archives of Physical Medicine and Rehabilitation*, DOI: 10.1016/j.apmr.2022.07.011.
16. **Lau, S.C.L.**, Connor, L.T., Skidmore, E.R., Lee, J-M., King, A.A., & Baum, M.C. (2022). The moderating role of motivation in the real-time associations of fatigue, cognitive complaints, and pain with depressed mood among stroke survivors: An ecological momentary assessment study. *Archives of Physical Medicine and Rehabilitation*, DOI: 10.1016/j.apmr.2022.11.012.
17. **Lau, S.C.L.**, Connor, L.T., & Baum, M.C. (2023). Motivation, physical activity, and depressive symptomatology among community-dwelling stroke survivors: An ambulatory assessment approach. *Annals of Behavioral Medicine*, DOI: 10.1093/abm/kaac065.
18. Baum, M.C, **Lau, S.C.L.**, Heinemann, A.W., & Connor, L.T. (2023). Functional cognition is distinct from fluid and crystallized cognition. *American Journal of Occupational Therapy*, 77(3):7703205020, DOI: 10.5014/ajot.2023.050010.

Peer-reviewed published abstracts

1. Kang, E., Heinemann, A., Baum, M.C., **Lau, S.C.L.**, Macpherson, V., & Wong, A.W.K. (2018). Predictors of loneliness in community-dwelling persons after stroke. *Archives of Physical Medicine and Rehabilitation*, 99(10), e66.
2. **Lau, S.C.L.**, Baum, M.C., Drake, B.F., Sanders-Thompson V., Macpherson, V., & Wong, A.W.K. (2018). Mediating role of pain on functional recovery in White, Black, and Hispanic stroke survivors. *Archives of Physical Medicine and Rehabilitation*, 99(10), e17.
3. **Lau, S.C.L.**, Fong, M.W.M., Lenze, E.J., Baum, M.C., Ottenbacher, K.J., & Wong, A.W.K. (2019). Psychometric evaluation of the Center for Epidemiologic Studies Depression Scale (CES-D) for patients after stroke. *Archives of Physical Medicine and Rehabilitation*, 100(10), e26.
4. **Lau, S.C.L.**, Fong, M.W.M., Lenze, E.J., Baum, M.C., Ottenbacher, K.J., & Wong, A.W.K. (2019). Psychometric evaluation of the Center for Epidemiologic Studies Depression Scale (CES-D) for patients after stroke. *Archives of Physical Medicine and Rehabilitation*, 100(10), e26.
5. Neff, A., **Lau, S.C.L.**, Wong, A.W.K., & Baum, M.C. (2020). Identifying environmental barriers to participation for community-dwelling adults with stroke: A descriptive pilot study. *Journal of Clinical and Translational Science*, 4(s1),134-134.
6. **Lau, S.C.L.**, Bhattacharjya, S., Fong, M.W.M., Lenze, E.J., Baum, M.C., Hardi, A., & Wong, A.W.K. (2020). Theory-based digital interventions to improve psychosocial outcomes in people with neurological disorders: Systematic review and meta-analysis. *American Journal of Occupational Therapy*, 74(4_Supplement_1), 7411515461.

7. Li, S., **Lau, S.C.L.**, Chin, J., & Wong, A.W.K. (2021) Cognitive and motor predictors of daily life monitoring for stroke survivors using mobile health technology. *American Journal of Occupational Therapy*, 75(Supplement_2):7512500045p1.
8. Chin, J., Li, S., **Lau, S.C.L.**, & Wong, A.W.K. (2021) Self-monitoring for stroke survivors using mobile health technology: qualitative study of user experiences. *American Journal of Occupational Therapy*, 75(Supplement_2):7512500044p1.
9. **Lau, S.C.L.**, Connor, L.T., & Baum, M.C. (2021). The relation between subjective and objective assessment of cognitive and physical functioning in community-dwelling stroke survivors. *Archives of Physical Medicine and Rehabilitation*, 102(10), e16.

Dissertation

1. **Lau, S.C.L.** *Motivation, Daily Physical Activity Participation, and Depression Post-Stroke*. St. Louis, MO: Washington University in St. Louis; 2022.

Peer-reviewed research presentations

International

1. **Lau, S.C.L.**, Tam, A., Tan, D.G.H., Chan, Y.C., Chan, K.Y., Lam, H.W., & Chan, C.C.H. (2017) Crossmodal emotion recognition among young and old. Poster presentation at International Alzheimer's Disease Conference 2017, Hong Kong, China; March 10, 2017.
2. **Lau, S.C.L.**, Lenze, E.J., Baum, M.C., Lee, J-M., Metts, C.L., Yingling, M.D., Fucetola, R.P., Fong, M.W.M., Depp, C.A., Heaton, R.K., Lu, C., Lai, A.M., & Wong, A.W.K. (2019) Feasibility of smartphone-based ecological momentary assessment of daily functioning in individuals following stroke. Oral presentation at International Symposium on Digital Health 2019, Hong Kong, China; May 29, 2019.
3. Heary, K.O., Wong, A.W.K., **Lau, S.C.L.**, Dengler, J., Thompson, M.R., Crock, L.W., Novak, C.B., Philip, B., Mackinnon, S.E. (2020). Psychosocial factors predict post-operative pain relief. Poster presentation at the 65th Annual Meeting of the Research Council, Toronto, Canada; May 28-31, 2020 (Virtual presentation due to COVID-19).
4. Judycki, S., Mix, M., **Lau, S.C.L.**, & Baum, M.C. (2022). Understanding occupational disruption and discontinuity: Coping with chronic conditions amidst the covid-19 pandemic. Poster presentation at World Federation of Occupational Therapists Conference 2022, Paris, France; August 28-31, 2022.
5. **Lau, S.C.L.**, Judycki, S., Mix, M., DePaul, O., Tomazin, R., Hardi, A., Wong, A.W.K., & Baum, M.C. (2022). Putting theory and the doing of occupation into self-management approaches following stroke: Systematic review and meta-analysis of randomized controlled trials. Oral presentation the World Federation of Occupational Therapists Conference 2022, Paris, France; August 28-31, 2022.

National

1. Kang, E.Y., Heinemann, A.W., Baum, M.C., **Lau, S.C.L.**, & Wong, A.W.K. (2018). Loneliness as a social support outcome: The prevalence of loneliness and its impacts on well-being in community-dwelling stroke survivors. Poster presentation at the 7th Annual Occupational Therapy Summit of Scholars, Kansas City, MO; June 8, 2018.
2. **Lau, S.C.L.**, Baum, M.C., Drake, B.F., Sanders-Thompson V.L., Ottenbacher, K.J., & Wong, A.W.K. (2018). Racial differences in recovery of functional status post-stroke: The mediating role of positive and negative affect. Poster presentation at the 7th Annual Occupational Therapy Summit of Scholars, Kansas City, MO; June 8, 2018.
3. Kang, E.Y., Heinemann, A., Baum, M.C., **Lau, S.C.L.**, Macpherson, V., & Wong, A.W.K. (2018). Predictors of loneliness in community-dwelling persons after stroke. Poster presentation at the 95th American Congress of Rehabilitation Medicine (ACRM) Annual Conference, Dallas, TX; September 30-October 3, 2018.
4. **Lau, S.C.L.**, Baum, M.C., Drake, B.F., Sanders-Thompson V., Macpherson, V., & Wong, A.W.K. (2018). Mediating role of pain on functional recovery in White, Black, and Hispanic stroke survivors. Oral presentation at the 95th American Congress of Rehabilitation Medicine (ACRM) Annual Conference, Dallas, TX; September 30-October 3, 2018.
5. **Lau, S.C.L.**, Fong, M.W.M., Lenze, E.J., Baum, M.C., Ottenbacher, K.J., & Wong, A.W.K. (2019). Psychometric evaluation of the center for epidemiologic studies depression scale (CES-D) for patients after stroke. Oral presentation at the 96th American Congress of Rehabilitation Medicine (ACRM) Annual Conference, Chicago, IL; November 5-8, 2019.
6. **Lau, S.C.L.**, Fong, M.W.M., Lenze, E.J., Baum, M.C., Drake, B.F., Sanders-Thompson V.L., Ottenbacher, K.J., Reistetter, T.A., & Wong, A.W.K. (2019). Depressive symptomatology in black and white stroke survivors and its impact on functional recovery. Poster presentation at the 2nd Annual Institute of Clinical and Translational Sciences (ICTS) Symposium, St. Louis, MO; January 15, 2019.
7. **Lau, S.C.L.**, Macpherson, V., Lenze, E.J., Baum, M.C., Lee, J-M., Metts, C.L., Yingling, M.D., Fucetola, R.P., Fong, M.W.M., Depp, C.A., Heaton, R.K., Lu, C., Lai, A.M., & Wong, A.W.K. (2019). Feasibility and validity of ecological momentary assessment of daily function in people after stroke. Poster presentation at the 96th American Congress of Rehabilitation Medicine (ACRM) Annual Conference, Chicago, IL; November 5-8, 2019.
8. Neff, A., **Lau, S.C.L.**, Wong, A.W.K., & Baum, M.C. (2020). Identifying environmental barriers to participation for community-dwelling adults with stroke: A descriptive pilot study. *Journal of Clinical and Translational Science*, 4(s1),134-134. Poster presentation at the Association for Clinical and Translational Science (ACTS) 2020 Annual Conference, Washington, DC; April 14-17, 2020 (Conference cancelled due to COVID-19).
9. **Lau, S.C.L.**, Bhattacharjya, S., Fong, M.W.M., Nicol, G.E., Lenze, E.J., Baum, M.C., Hardi, A., & Wong, A.W.K. (2020). Self-management telerehabilitation for people with neurological diseases: A systematic review and meta-analysis. Poster presentation at the 97th American Congress of Rehabilitation Medicine (ACRM) Annual Conference, Atlanta, GA; October 21-24, 2020 (Virtual presentation due to COVID-19).

10. **Lau, S.C.L.**, Bhattacharjya, S., Fong, M.W.M., Lenze, E.J., Baum, M.C., Hardi, A., & Wong, A.W.K. (2020). Theory-based digital interventions to improve psychosocial outcomes in people with neurological disorders: Systematic review and meta-analysis. Oral presentation at the 100th American Occupational Therapy Annual Conference & Expo, Boston, MA; March 26-29, 2020 (Conference canceled due to COVID-19).
11. Li, S., **Lau, S.C.L.**, Chin, J., & Wong, A.W.K. (2021) Cognitive and motor predictors of daily life monitoring for stroke survivors using mobile health technology. Poster presentation at the 101th American Occupational Therapy Annual Conference & Expo, San Diego, CA; April 8-11, 2021 (Conference canceled due to COVID-19).
12. Chin, J., Li, S., **Lau, S.C.L.**, & Wong, A.W.K. (2021) Self-monitoring for stroke survivors using mobile health technology: qualitative study of user experiences. Poster presentation at the 101th American Occupational Therapy Annual Conference & Expo, San Diego, CA; April 8-11, 2021 (Conference canceled due to COVID-19).
13. **Lau, S.C.L.**, Connor, L.T., & Baum, M.C. (2021) The relation between subjective and objective assessment of cognitive and physical functioning in community-dwelling stroke survivors. Oral presentation at the 98th American Congress of Rehabilitation Medicine (ACRM) Annual Conference, Dallas, TX; September 26-29, 2021.

Regional

1. **Lau, S.C.L.**, Heinemann, A.W., & Wong, A.W.K. (2017). Linking the Quality of Life in Neurological Disorders (Neuro-QoL) to the World Health Organization's ICF core sets. Poster presentation at the Institute for Public Health 10th Annual Conference, St. Louis, MO; September 27, 2017
2. Kang, E.Y., Heinemann, A.W., Baum, M.C., **Lau, S.C.L.**, & Wong, A.W.K. (2018). Health status as a predictor of loneliness in community-dwelling stroke survivors. Poster presentation at the 8th annual Patient Centered Outcomes Research (PCOR) Symposium, St. Louis, MO; April 25, 2018.
3. **Lau, S.C.L.**, Baum, M.C., Drake, B.F., Sanders-Thompson V.L., & Wong, A.W.K. (2018). Racial disparities in functional outcomes after inpatient stroke rehabilitation: Mediating effects of depressed mood and positive affect. Poster presentation at the 8th Annual Patient Centered Outcomes Research (PCOR) Symposium, St. Louis, MO; April 25, 2018.
4. Kang, E.Y., Heinemann, A.W., Baum, M.C., Fong, M.W.M., **Lau, S.C.L.**, Macpherson V., Wong A.W.K. (2019). Loneliness as a mediator of the relationship between social support and well-being in community-dwelling adults after stroke. Poster presentation at the 2nd Annual Institute of Clinical and Translational Sciences (ICTS) Symposium, St. Louis, MO; January 15, 2019.
5. Walsh, R. J., Santos H., Lee, Y., **Lau, S.C.L.**, Baum, M.C., & Wong, A.W.K. (2020). Acceptance of passive digital biomarker monitoring via mobile health among stroke survivors in the St. Louis area. Poster presentation at the 3rd Annual Institute of Clinical and Translational Sciences (ICTS) Symposium, St. Louis, MO; February 14, 2020.

6. Deshpande, I., Zhang, G., **Lau, S. C. L.**, & Smagula, S. F. (2022). Association of sleep-wake with cognitive performance deficit in middle-aged Hispanic Americans. Poster presentation at the 7th Annual Sleep & Circadian Science Research Day 2022, Pittsburgh, PA; November 10, 2022.