

Winson F. Z. Yang

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EDUCATION

Ph.D. Experimental Psychology: Cognitive Neuroscience.

December 2022

Department of Psychological Sciences, Texas Tech University, USA

GPA: 4.00/4.00

Graduate Certificate in Psychological Methods and Analysis

Dissertation: *Are you aware? Role of meta-awareness and free-moving thoughts in mental flexibility after mindfulness meditation.*

Advisor: Yiyu Tang, Ph.D. (2018-2021), Miranda Scolari, Ph.D. (2021-2022)

Committee: Roman Taraban, Ph.D.; Michael Serra, Ph.D.; Anna Tacon, Ph.D.

M.Sc. Cognitive and Clinical Neuroscience, Specialization in Neuropsychology.

July 2017

Faculty of Psychology and Neuroscience, Maastricht University, Netherlands

GPA: 7.94/10.00

Thesis 1: *Individual differences in semantic appraisal network connectivity predict accuracy of emotion reading.*

Advisors: Katherine Rankin, Ph.D.; Sonja Kotz, Ph.D.

Thesis 2: *Interplay between occupation, stress, and inflammation in old-age cognitive decline.*

Advisors: Joel Kramer, Psy.D; Rudolf Ponds, Ph.D.

B.A. Psychology.

June 2015

James Cook University Singapore, Singapore.

GPA: 5.71/7.00

MAJOR RESEARCH GOALS

Understand brain-behavior relationship and processes of flexible mental states after contemplative practices.

Develop computational and integrative models to predict and understand body-brain-mind relationship.

Applications of research findings into the development of clinical interventions and tools (e.g., intervention selection and optimization, efficacy, markers of improvements, usable and wearable products).

GRANTS AND FUNDED POSITIONS

Funded positions

NCCIH. Role: Graduate research assistant. (2019 – 2021). *Modulation effects of a novel body-mind intervention on subjective cognitive decline (3R61AT010138-02S1)*. PI: Tang, Yiyuan. Amount awarded: \$338,284. (Research discontinued as PI left the University)

NICCH. Role: Graduate research assistant. (2019 – 2021). *Brain mechanisms of reducing polysubstance use following a novel body-mind intervention (NIH 1R61AT010138-01)*. PI: Tang, Yiyuan. Amount awarded: \$3,080,032. (Research discontinued as PI left the University).

SCS Cancer Research Grant. Role: Research assistant. (2017 – 2018). *A study of family caregivers' needs, burden of care and quality of life over the course of a cancer illness (R-177-000-059-592)*. PI: Mahendran, Rathi. Amount awarded: unknown.

Unfunded grants

Social Science Research Council Graduate Research Fellowship. Role: PI. (2022). *Improving mental flexibility through meta-awareness of mental states with meditation training*. PI: Yang, Winson Fu Zun. Amount requested: \$10,000 SGD.

Mind & Life Varela Grant. Role: PI. (2021). *Improving mental flexibility through meta-awareness of mental states with meditation training*. PI: Yang, Winson F.Z. Amount requested: \$11,840.

AWARDS, HONORS, SCHOLARSHIPS

Awards

Experimental Psychology Research Award. (May 2022). Texas Tech University. *Amount awarded:* \$250 USD.

Summer Thesis/Dissertation Research Award. (March 2022). Texas Tech University. *Amount awarded:* \$2,300 USD.

Graduate Student Research Support Award. (March 2022). Texas Tech University. *Amount awarded:* \$1,000 USD.

Registration Award. (November 2018). Mind & Life International Symposium for Contemplative Research (ISCR). Phoenix, USA.

Honors

New Investigator. (June 2019). Mind and Life Summer Research Institute 2019. Mind & Life Institute. New York, USA.

Scholarships & Fellowships

2022 Doctoral Dissertation Completion Fellowship. (March 2022). Texas Tech University.

2019 Darcy Reich Memorial Scholarship. (August 2019). Texas Tech University. *Amount awarded:* \$1,000 USD.

2018 Sheri E. Holloway Endowment Scholarship. (August 2018). Texas Tech University. *Amount awarded:* \$1,000 USD.

PUBLICATIONS

* Corresponding author

Published

1. Zhou, Y., Wang, ., Ren, H., **Yang, W.F.Z.**, ..., & Zhang, Z. (2022). Prevalence and related factors of anxiety in first episode and drug naïve Chinese Han outpatients with psychotic major depression. *Journal of Affective Disorders*, 36(1), 217-222.
2. Zhou, Y., Wang, Q., ..., Liu, Y., **Yang, W.F.Z.**,* & Liu, T. (2022). Association between white matter microstructure and cognitive function in patients with methamphetamine use disorder. *Human Brain Mapping*.
3. Yang, Q., Liu, Y., **Yang, W.F.Z.**, ..., Liu, T. (2022). Mental health conditions and academic burnout among medical and non-medical undergraduates during the mitigation of COVID-19 pandemic in China. *Environmental Science and Pollution Research*, online.
4. Peng, P., **Yang, W.F.Z.**, ..., Wu Q., & Liu T. (2022). High prevalence and risk factors of dropout intention among Chinese medical postgraduates. *Medical Education Online*, 27(1).
5. Zhou, Y., Wang, Q., Ren, H., Wang, X., Liao, Y., Yang, Z., Hao, Y., Wang, Y., Li, M., Ma, Y., Wu, Q., Wang, Y., Yang, D., Xin, J., **Yang, W.F.Z.***, Wang, L., Liu, T. (2022). Regional Homogeneity Abnormalities and its Correlation with Impulsivity in Male Abstinent Methamphetamine Dependent Individuals. *Frontiers in Molecular Neuroscience*, 14, 810726.
6. Rijpma, M.G., **Yang, W.F.Z.**, Toller, G., Battistella, G., Sokolov, A.A., Sturm, V.S., Seeley, W.W., Kramer, J.H., Miller, B.L., Rankin, K.P. (2022). Influence of Periaqueductal Gray on Other Salience Network Nodes Predicts Social Sensitivity. *Human Brain Mapping*, 1-16.
7. Zhou, Y., Ma, Y., **Yang, W.F.Z.**, Wu, Q., Wang, Q., Wang, D., Ren, H., Luo, Y., Yang, D., Liu, T., Wu, X. (2021). Doctor-patient relationship improved during COVID-19 pandemic, but weakness remains. *BMC Family Practice*, 22(255), 1-9.
8. Zhou, Y., **Yang, W.F.Z.**, Liao, Y., Wu, Q., Ma, Y., Wang, D., Chen, S., Wang, X., Li, M., Wang, F., Wang, Y., Liu, Y., & Liu, T. (2021). Doctor-patient relationship in the eyes of medical professionals in China during the COVID-19 pandemic: A cross-sectional study. *Frontiers in Psychiatry*, 12, 768089.
9. Zhou, Y., Ma, Y., Wu, Q., Luo, Y., Yang, D., **Yang, W.F.Z.**, Tang, K., Liu, T., & Wang, D. (2021). Comparison of thyroid hormones level between patients with major depressive disorder and healthy subjects in China. *Frontiers in Psychiatry*, 12, 750749.
10. **Yang, W.F.Z.**, Chan, Y.H., Griva, K., Kuparasundram, S., Mahendran, R. (2021). Lifestyle and symptom management needs: A network analysis of family caregiver needs of cancer patients. *Frontiers in Psychiatry*, 12, 739776.
11. **Yang, W.F.Z.**, Lee, R.Z.Y., Kuparasundram, S., Tan, T., Chan, Y.H., Griva, K., & Mahendran, R. (2021). Cancer caregivers unmet needs and emotional states across cancer treatment phases. *PLOS ONE*, 16(8), e0255901.
12. **Yang, W.F.Z.**, Toller, G., Shdo, S., Kotz, S., Brown, J., Seeley, W.W., Kramer, J.H., Miller, B.L., Rankin, K.P. (2021). Resting functional connectivity in the semantic appraisal network predicts accuracy of emotion reading. *Neuroimage Clinical*, 31, 102755.

13. Wang, Q., Wang, Y., Zuo, J., Zhou, Y., **Yang, W.F.Z.**, Liao, Y., Tang, J., Wang, X., Yang, Q., Wu, Q., Wu, H.E., Goodman, C.B., Liu, T., & Zhang, X. (2021). Factors of Negative Affect in Elderly Patients With Substance Use Disorders During COVID-19 Pandemic. *Frontiers in Psychiatry*, *12*, 697472.
14. Zhou, Y., Liao, Y., Wu, Q., Ma, Y., Wang, D., Chen, S., Wang, X., Li, M., Wang, F., Wang, Y., Liu, Y., Liu, T., **Yang, W.F.Z.*** (2021). General perception of doctor-patient relationship from patients during the COVID-19 pandemic in China: A cross-sectional study. *Frontiers in Public Health*, *9*, 836.
15. Xie, A., Wu, Q.X., **Yang, W.F.Z.**, Qi, C., Liao, Y., Wang, X., Hao, W., Tang, Y, Liu, J., Liu, T., & Tang, J. (2021). Altered Patterns of Fractional Amplitude of Low-Frequency Fluctuation and Regional Homogeneity in Abstinent Methamphetamine-Dependent Users. *Scientific Reports*, *11*, 7705.
16. **Yang, W.F.Z.**, Liu, J. L., Tan, T., Chan, Y.H., Griva, K., Kuparasundram, S., Mahendran, R. (2020). Validation of the Needs Assessment of Family Caregivers-Cancer questionnaire in an Asian population. *BMC Psychology*, *8*(84), 1-14.
17. Liu, T., Wu, Q., Luo X., Chen, S., **Yang, W.F.Z.**, Liao, Y., Tang, J., & Tang, Y. (2019). Stigmatizing towards mental disorders among non-mental health professionals in six general hospitals in Hunan Province. *Frontiers in Psychiatry*, *10*, 946.
18. Taraban, R., Pittman, J., Nalabandian, T., **Yang, W.F.Z.**, Marcy, W., Gunturu, S.M. (2019). Creating and testing specialized dictionaries for text analysis. *East European Journal of Psycholinguistics*, *6*(1), 1-10.
19. Toller, G., **Yang, W.F.Z.**, Brown, J., Ranasinghe, K.G., Shdo, S.M., Kramer, J.H., Seeley, W.W., Miller, B.L., Rankin, K. (2019). Divergent patterns of loss of interpersonal warmth in frontotemporal dementia syndromes are predicted by altered intrinsic network connectivity. *Neuroimage: Clinical*, *22*, 101729.

Submitted and Under Review

1. Lee, R.Z.Y., **Yang, W.F.Z.**, Mahendran, R., Suarez, L. (submitted). Psychometric Properties of the World Health Organization WHOQOL-AGE Scale in Singapore.
2. Zhou, Y., Sun, Y., Tong, J., **Yang, W.F. Z.**, Ma, Y., Chen, S., Wang, Q., Hao, Y., Wang, Y., Li, M., Liu, T., Liao, Y. (revise and resubmit). A brainnetome atlas-based methamphetamine dependence identification using neighborhood component analysis and machine learning on functional-MRI data.
3. **Yang, W.F.Z.**, Chan, Y.H., Griva, K., Kuparasundram, S., Mahendran, R. (revise & resubmit). Caregiver needs are related to specific mental health outcomes in family caregivers of cancer patients: A structural equations modeling.
4. Peng, P., Liu, Y., **Yang, W.F.Z.**, Chen, S., Wang, Y., Yang, Q., Wang, X., Li, M., Wang, Y., Hao, Y., He, L., Wang, Q., Zhang, J., Ma, Y., He, H., Zhou, Y., Long, J., Qi, C., Tang, Y., Liao, Y., Tang, J., Yuan, M., Wu, Q., & Liu, T. (under review). Excessive daytime sleepiness in Chinese nurses: prevalence, correlates, and its association with suicidal ideation.
5. Ma, X., **Yang, W.F.Z.**, Zheng, W., Li, Z., Tang, J., Yuan, L., Ouyang, L., Li, C., Jin, K., Bearden, C.E., He, Y., Chen, X. (under review). Neuronal Dysfunction and its correlations with Cognitive Impairment in Individuals at Ultra-High Risk for Psychosis and Drug-naïve First-episode Schizophrenia, A Support Vector Machine resting-state fMRI study.

Unpublished papers

1. **Yang, W.F.Z.** (in prep). Suffering and mindfulness as bridges towards engaged compassion and skillful means: A perspective.

2. **Yang, W.F.Z.**, Ding, X., Fan, Y., Wu, Q.X., Tang, Y. (in prep). Brief mindfulness training changes causal dynamics in the central autonomic network.
3. **Yang, W.F.Z.**, Davis, T., Greenlee, E., & Tang, Y. (in prep). Mental flexibility and enhancement via state-based mindfulness-based intervention: A review.
4. **Yang, W.F.Z.**, Ding, X., Fan, Y., Wu, Q., Tang, Y. (in prep). Differential engagement of the reward circuit with self-regulation networks in novices during short-term mindfulness meditation.
5. **Yang, W.F.Z.**, Ding, X., Fan, Y., Tang, Y. (in prep). Dynamic brain patterns across the central autonomic network in mindfulness meditation.

ORAL PRESENTATIONS

1. **Yang, W.F.Z.** (2021). Suffering and mindfulness as bridges towards engaged compassion and skillful means: Dialogue between humanities and science. Talk for the *2021 Arts and Humanities Graduate Student Research Conference*, Texas Tech University, Lubbock.
2. **Yang, W.F.Z.** (2021). Improving Mental Flexibility through Meta-Awareness of Mental States with Meditation. Talk for the *Cross-disciplinary doctoral conference: United in Research*, Texas Tech University, Lubbock.

POSTER PRESENTATIONS

1. Chen, Y., Callahan, P., **Yang, W.F.Z.**, Grinberg, L.T., Seeley, W.W., Kramer, J.H., Miller, B.L., Rankin, K.P. (2022). Cerebellar atrophy in pathological subtypes of frontotemporal lobar degeneration. Poster submitted for the *2022 International Conference on Frontotemporal Dementias*, Paris, France.
2. **Yang, W.F.Z.**, Scolari, M. (2022). Capturing thought dynamics and state changes in mindfulness: A Markov Chain model. Poster for the *14th Annual Meeting of the Social & Affective Neuroscience Society*, Virtual conference.
3. **Yang, W.F.Z.**, Scolari, M. (2022). Trait mindfulness is associated with dynamic transitions in a combination of affective qualities. Poster for the *2022 Cognitive Science Society Conference*, Toronto, Canada.
4. **Yang, W.F.Z.**, Tang, Y. (2020). Short-term mindfulness practice engages the reward system. Poster for the *Mind & Life 2020 Contemplative Research Conference, "The State of the Field: Discoveries, Opportunities & Challenges"*, Madison (Meeting held as virtual conference due to COVID-19).
5. **Yang, W.F.Z.**, Tang, Y. (2020). Spectral dynamic causal modelling in resting-state neuroimaging reveals changes in effective connectivity after meditation training. Poster for the *Organization of Human Brain Mapping 2020 Meeting*, Montreal (Meeting held as virtual conference due to COVID-19).
6. Rijpma, M., Toller, G., **Yang, W.F.Z.**, Battistella, G., Miller, B., Seeley, W., Rankin, K. (2020). Patterns of effective connectivity in the midbrain underlie natural sensitivity to social cues. Poster for the *Society of Affective Sciences 2020 Meeting*, San Francisco (Meeting held as virtual conference due to COVID-19).
7. **Yang, W.F.Z.**, Tang, Y. (2019). Increased inter-network connectivity in the triple networks after short-term mindfulness meditation training. Poster for the *Cognitive Neuroscience Society 2019 Meeting*, San Francisco.
8. **Yang, W.F.Z.**, Lim, H., Chan, Y.H., Tan, T., Griva, K., Mahendran, R. (2018). Unmet-needs of Family Caregivers of Cancer Patients Across Treatment Phases in Singapore. Poster session presented at the *World Congress of Psycho-Oncology*, Hongkong.
9. Mahendran, R., **Yang, W.F.Z.**, Tan, T., Chan, Y.H., Griva, K. (2018). Cancer Caregivers Needs and the Impact on their Well-Being and Care Burden. Poster session presented at the *World Congress of Psycho-Oncology*, Hongkong.

10. Shdo, S.M., Toller, G., Ranasinghe, K., Yang, W.F.Z., Datta, S., Sturm, V., Miller, B., Rankin, K.P. (2018). Interaction of neural networks underlying heightened threat vigilance using a neurodegenerative disease lesion model. Poster presented at the *2018 Annual Conference of Society for Affective Science*, Los Angeles.

INVITED TALKS AND OTHER PRESENTATIONS

1. **Co-chair.** (June 2022). Initiatives neuroscientists can take to tackle the climate crisis. Organization of Human Brain Mapping, Glasgow, Scotland.
2. **Panel.** (June 2021). Saving time and resources: Open-science and sustainability. Organization of Human Brain Mapping (Virtual conference).
3. **Invited talk.** (June 2021). Mindfulness and applications in neurodegenerative populations. Rankin Lab, University of California San Francisco, San Francisco.
4. **Invited talk.** (October 2018). What is it like to study cognitive neuroscience? Psi Chi Society, Texas Tech University

RESEARCH EXPERIENCE

Bravely – Mental Health App, Singapore.

October 2021 – Present

Data Science and UX Consultant

Consult with the team on data science and modeling techniques for the Bravely Mobile App. Use machine learning and AI to analyze data and refine features in the app, such as the tracking feature.

Texas Tech University, Dept. Psychological Science, USA.

August 2021 – Present

Graduate Student, Selective Attention & Perception Lab

Advisor: Asst. Prof. Miranda Scolari

Investigate the effects of mindfulness on visual attention, perception, and mental flexibility.

Texas Tech University, Dept. Psychological Science, USA.

September 2018 – August 2021

Graduate Research Assistant, Tang Lab

Advisor: Prof. Yiyuan Tang

Headed and implemented several federal grant-funded projects, including *Brain mechanisms of reducing polysubstance use following a novel body-mind intervention (NIH 1R61AT010138-01) [using Brain Stimulation and Neurofeedback Training]* ... *Working Memory Training Project (DoD, ONR)* ... and *Modulation effects of a novel body-mind intervention on subjective cognitive decline (3R61AT010138-02S1)*. Built pipelines to analyze neuroimaging, electrophysiological, and behavioral data, and improve the infrastructure and research analytic plans.

Texas Tech University, University Libraries, USA.

September 2018 – August 2019

UX Team Graduate Assistant-Consultant

Collaborated and consulted with the User Experience (UX) team to test and improve the user experience and interface of the Texas Tech University Library System. Advised, collected, analyzed, tested several new features for the library to discover user needs, resulting in a better UX in using the OneSearch Library system.

National University Hospital, Dept. Psychological Medicine, Singapore.

November 2017 – May 2018

Researcher

Advisor: Assoc. Prof. Rathi Mahendran

Prepared and analyzed data for a nationally funded project by the Singapore Cancer Society, *Needs, burden, and quality of life of family caregivers of cancer illness (R-177-000-059-592)*, leading to several publications and conference presentations.

University of California San Francisco, Memory & Aging Center, USA.

October 2016 – July 2017

Visiting Scholar, Rankin Lab, Healthy Aging Lab

Advisors: Prof. Katherine Rankin & Prof. Joel Kramer

Developed analysis tools to prepare data and visualizations for conference presentations and journal publications. Independent projects include *Relationship between Semantic Appraisal Network and TASIT-EET* and *Relationship between Occupation and Stress on Inflammation, White Matter, and Processing Speed*. Also conducted and reported several neuropsychological tests and discussed with a team of neurologists, neuropsychologists, and nurses.

Maastricht University, Faculty of Psychology & Neuroscience, Netherlands.

January 2016 – September 2016

Research Assistant, Band Lab

Advisor: Prof. Sonja Kotz

Collaborated with the research team to plan, conduct, and improve data collection methods on human participants for the project, *Behavioral and neural basis for individual differences in auditory and motor timing and sequencing*. Developed research and analytics skills by attending workshops and tutorials and contributed to discussions and examinations of theory and practice.

National Institute of Education, Singapore.

August 2014 – March 2015

Research Assistant

Advisor: Assoc. Prof. Kenneth Phoon

Collaborated with a research team on the project, *Factors that Impact Child and Family Outcomes in EIPIC*, to establish local benchmarks for cognitive development of children in Singapore. Administered and scored the Brigance IED III to children seven years old and younger in compliance with governance guiding research on human participants and minors.

TEACHING EXPERIENCE

Graduate courses

PSY5447 Advanced Correlational Methods and Factor Analysis, Texas Tech University. Spring 2022

Teaching Assistant & Lab Instructor | Course Instructor: Nicholas Borgogna, Ph.D.

Led weekly lab section of the course with 18 graduate students. Taught the following topics in SPSS and R: correlation, simple linear, multiple, hierarchical, and logistic regression, regression diagnostics, mediation and moderation models, exploratory and confirmatory factor analysis, and measurement invariance.

Undergraduate courses

PSY4325 Drugs, Alcohol, Behavior, Texas Tech University. Summer 2022

Instructor on record | Course Supervisor: Lindsay Greenlee, Ph.D.

Lead daily classes with 38 undergraduate students. Taught the following topics: Drugs and their biological, neurological, and psychological effects, psychedelics and psychoactive drugs, substance abuse, prevention, and policies. Designed and graded quizzes, assignments, and exams.

PSY2400 Statistical methods, Texas Tech University. Fall 2021

Teaching Assistant & Lab Instructor | Course Instructor: Lindsay Greenlee, Ph.D.

Lead weekly lab section of the course with 38 undergraduate students. Taught the following topics in SPSS: descriptive statistics, independent and dependent samples t-test, ANOVA, correlation, simple linear and multiple regression, and effect sizes. Graded quizzes, assignments, and exams.

PSY4323 Perception: Theories and Applications, Texas Tech University. Fall 2021

Guest Lecturer | Course Instructor: Miranda Scolari, Ph.D.

Produced and provided guest lecture on clinical disorders of attention, including Hemineglect and Balint's Syndrome. Discussed shared underlying symptom presentation, neurological and neuropsychological tests, as well as neuropathology of these disorders.

WORKSHOPS

Ggplot 'em all, Pokemon! R data visualization workshop. Two-day virtual workshop July 2021

Texas Tech University | Co-organizer: Joshua Brown, Sean O'Bryan.

Workshop providing a hands-on introduction to *ggplot*, R's most utilized plotting tool for data visualization. Topics included: bar charts, scatter plots, network plots, faceting, plotting statistical results, creating publication-ready plots.

Career Workshop: Networking

December 2020

Career Workshop Series @ San Bao Temple San Francisco | Co-organizer: Qiulin Peng, Selene Chew.

Workshop on building professional networks during the COVID-19 pandemic and beyond. Topics included mindful awareness, creating and maintaining relationship with the network, choosing appropriate words and phrases, shared experiences from working professionals.

Career Workshop: Crafting your Self-introduction

June 2020

Career Workshop Series @ San Bao Temple San Francisco | Co-organizer: Qiulin Peng, Selene Chew.

Workshop on creating a self-introduction during an interview using mindfulness and contemplative concepts. Topics included mindful awareness, knowing yourself and the company, understanding contemplative wisdom and utilizing it to match skillsets with the company's requirements.

R Programming Workshop: Introduction to the Tidyverse. Two-day virtual workshop

June 2020

Texas Tech University | Co-organizer: Tran Le, Sean O'Bryan.

Workshop providing a hands-on introduction to R's most utilized set of packages for data analysis. Topics included: data structures, data types, data manipulation, functions, Tidyverse packages, basic and advanced data visualization, tips and tricks in R, reproducible R codes.

Finding the Oasis: An online guide to navigating adversity with compassion. Virtual half-day retreat

June 2020

Virtual Mindfulness Retreat @ San Bao Temple San Francisco | Co-organizer: Benson Kwek, Keeheng Tiow.

Workshop and virtual mindfulness retreat during the COVID-19 pandemic. Provided daily exercises and practices to look after our mental health during lockdown. Also shared personal experiences to encourage others to stay positive and have hope.

MENTORING

15 undergraduate students, 2 Masters students, and 2 Ph.D students from James Cook University, National University of Singapore, National Technological University Singapore, Singapore Management University, Texas Tech University, and Second Xiangya Hospital. Roles of students include general undergraduate psychology students, research assistants, and thesis mentoring. *Individual names are masked due to personal privacy protection.*

PUBLIC OUTREACH

1. **Lecture.** (September 2020). Not McMindfulness: Towards a Right View of Mindfulness. Fo Guang Shan San Bao Temple, San Francisco.
2. **Lecture.** (December 2019). Three secrets to growth mindset. Fo Guang Shan San Bao Temple, San Francisco.
3. **Lecture.** (December 2018). Compassion in daily life. Fo Guang Shan San Bao Temple, San Francisco.
4. **Lecture.** (December 2018). 念佛, 慈悲人生 (Compassionate Life with Mantra Recitation). Fo Guang Shan San Bao Temple, San Francisco.

5. **Lecture.** (August 2018). Meditation is not magic: What can neuroscience tell us about meditation? Fo Guang Shan San Bao Temple, San Francisco.
6. **Lecture.** (August 2018). 神经学与佛教的概念 (The concepts of neuroscience and Buddhism). Fo Guang Shan San Bao Temple, San Francisco

LEADERSHIP AND INVOLVEMENT

1. **Chair.** (July 2022 – Present). Sustainability & Environmental Action Special Interest Group, OHBM.
2. **Mentor.** (August 2021 – Present). SG Psych Stuff, Singapore.
3. **Member.** (December 2020 – Present). Sustainability & Environmental Action Special Interest Group, OHBM.
4. **Volunteer.** (April 2017 – Present). Fo Guan Shan San Bao Temple, San Francisco.
5. **Chair-elect.** (July 2021 – June 2022). Sustainability & Environmental Action Special Interest Group, OHBM.
6. **Mentor.** (August 2019 – May 2021). Mentor Tech, Texas Tech University, Lubbock.
7. **Student/Program liaison.** (September 2015 – August 2017). Maastricht University, Maastricht, Netherlands.
8. **Peer tutor.** (May 2014 – May 2015). English, Mathematics, & Statistics Group, James Cook University, Singapore.
9. **Secretary and mentor.** (May 2014 – May 2015). Mateship Program, James Cook University, Singapore.
10. **Volunteer.** (July 2014 – December 2014). Institute of Mental Health, Singapore.
11. **Volunteer.** (July 2014 – December 2014). Rainbow Center, Singapore.

EDITORIAL AND REVIEWING EXPERIENCE

Ad-Hoc Reviewer: *NeuroImage*, *NeuroImage: Clinical*, *Human Brain Mapping*, *Mindfulness*, *Frontiers in Public Health*

TECHNICAL SKILLS

Neuroimaging processing, statistics & visualization: SPM, AFNI, FSL, DPABI, MNE-tools, Nilearn, fMRIprep, MVPA, Brain Connectivity Toolbox, MRICron

Computer programming: Python, MATLAB, HTML, JavaScript, CSS, SQL, UNIX bash

Statistical programming and skills: R, SAS, SPSS, multivariate analysis (PCA, CFA, EFA, MDS, LDA, SEM), network analysis, linear models (ANOVA, MANOVA, multilevel modeling), machine learning (SVM, regression models, clustering, HMM), categorical data analysis (Binary, ordered polytomous, and nominal logistic regression, Poisson, multinomial regression, contingency tables)

Psychology Software: E-Prime, jsPsych, PsychoPy

General software: Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro

PROFESSIONAL AFFILIATIONS

Cognitive Neuroscience Society
Organization of Human Brain Mapping
International Society for Contemplative Research
Cognitive Science Society
Social Affective Neuroscience Society

REFERENCES

Miranda Scolari, Ph.D.

Asst. Prof., Department of Psychological Sciences
Texas Tech University, USA
miranda.scolari@ttu.edu

Rathi Mahendran, MBBS, MMed, MMedEd

Assoc. Prof., Department of Psychological Medicine
National University of Singapore, Singapore
medrm@nus.edu.sg

Katherine Rankin, Ph.D.

Prof., Memory and Aging Center
University of California, San Francisco, USA
kate.rankin@ucsf.edu