

John Emmanuel Kiat

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Education

- 2018 (Projected) Ph.D., Psychology, University of Nebraska-Lincoln.
Areas of specialization: Neuroscience & Behavior, Social & Cognitive
Thesis: *Visual & Verbal Processing in the Misinformation Effect Paradigm*
Advisor: Dr. Robert F. Belli
- 2013 M.A., Psychology, University of Nebraska-Lincoln.
Thesis: *An ERP investigation of Individual Differences in Reality Monitoring.*
Advisor: Dr. Robert F. Belli
- 2008 B.A. (1st Class), Psychology. HUC University (Malaysia),

Research & Professional Experience

- 2014-2017 Graduate Research Assistant: Sociology, University of Nebraska-Lincoln.
2011-2015 Graduate Research Assistant: Psychology, University of Nebraska-Lincoln.
2011-2014 Teaching Assistant & Instructor: University of Nebraska-Lincoln.
2008-2011 Teaching & Research Assistant: HUC University (Malaysia).
2007 Research Intern, HUC University Psychometric Testing Center.

Grants & Academic Awards

- 2017: UNL Dean's Fellowship
- 2017: Outstanding Graduate Research Assistant Award (Honorable Mention)
- 2016: Maude Hammond Fling Fellowship
- 2015: UNL CB3 Seed Grant. "Visual/Verbal Source Monitoring & the Misinformation Effect: A High-Density EEG Study". (PI: Kiat, J.E. Co-PI: Robert F. Belli. Total Value: \$6930)
- 2011 – 2013: Warden Travel Funding
- 2011 – 2013: Othmer Fellowship for Exceptional Scholars
- 2008: Datuk Paduka Dr. Hajjah Saleha Award (Ranked 1st in Graduating Class)
- 2008: HUC University's Graduate Fellowship (declined)
- 2007: University of Leeds Award for Excellent Achievement (Best 3rd year student)
- 2005 – 2006: HUC Psychology Full Merit Scholarship
- 2005 & 2006: Middlesex University Achievement Awards (Top 1st & 2nd year student)

Technical Skills Training

- University of Nebraska-Lincoln: Salivary Bioscience Camp, January 2017
- NIH: AFNI Bootcamp, August 2016
- MGH/MIT/HMS Martinos Center: Multi-Modality Short Course, April 2014
- University of Nebraska-Lincoln: Developmental Brain Lab EEG Bootcamp, August 2012

Academic Service

- Graduate student search committee member: UNL CB3 Director, Spring 2016, Fall 2016
- Search committee member: Assistant Professor in Social Neuroscience, Fall 2013
- Ad hoc reviewer: *Cognitive, Affective, and Behavioral Neuroscience, Memory & Cognition*

Research Honors

- Kiat, J.E.**, Straley, E., & Cheadle, J. E. (March, 2016). Risk & the Moderating Effect of Resistance to Peer Influence on the P200 & FRN. *UNL Research Fair 2016: Outstanding Research Poster Presentation*.
- Kiat, J.E.** (November, 2008). The Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. *University of Queensland Outstanding Psychology Research Award*.
- Kiat, J.E.** (October, 2008). The Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. *HUC Research Colloquium Awards for Best Research Presentation and Best Research Presenter*.
- Kiat, J.E.** Ho, W.Z. Aidan J. (October, 2006). Seating Proximity Choice Changes after Shared Emotional Experiences. *HUC Research Colloquium: Best Research Presentation*.

Publications

- Kiat, J.E.**, Belli, R.F. (2017). An Exploratory High-Density EEG Investigation of the Misinformation Effect: Attentional and Recollective Differences between True and False Perceptual Memories. *Neurobiology of Learning & Memory*. 141, 199-208.
- Kiat, J.E.**, Cheadle, J.E. (2017). The Impact of Individuation on the Bases of Human Empathic Responding. *Neuroimage*. 155, 312-321.
- Kiat, J. E.**, Ong, A. R., & Ganesan, A. (in press). The influence of Distractor Strength and Placement on MCQ Responding. *Educational Psychology*.
- Kiat, J.E.**, Straley, E., Cheadle, J. E. (2016). Escalating Risk and the Moderating Effect of Resistance to Peer Influence on the P200 and Feedback Related Negativity. *Social Cognitive & Affective Neuroscience*, 11 (3): 377-386.
- Kiat, J.E.**, Straley, E., Cheadle, J. E. (2016). Why Won't They Sit with Me? An Exploratory Investigation of Stereotyped Cues, Social Exclusion, and the P3b. *Social Neuroscience*.
- Liau, A.K., **Kiat, J.E.**, Nie, Y. (2014). Investigating the Pedagogical Approaches Related to Changes in Attitudes Toward Statistics in a Quantitative Methods Course for Psychology Undergraduate Students. *The AsiaPacific Education Researcher*,24(2): 319-327.
- Lukman, H., **Kiat, J.E.**, Ganesan, A., Chua, W.L., Khor, K.L., Choong, Y.F. (2010). Strabismus-related prejudice in 5-6-year-old children. *British Journal of Ophthalmology*, 94,1348-51.
- Lukman, H., **Kiat, J.E.**, Ganesan, A., Chua, W.L., Khor, K.L., Choong, Y.F. (2010). Negative Social Reaction to Strabismus in School Children Ages 8-12 years. *Journal of Pediatric Ophthalmology and Strabismus*, 15(3):238-40.
- Schutte, A., Torquati, J., **Kiat, J.E.** (in press). The influence of Indoor and Natural Environments on Children's Executive Function and Event-Related Potentials.

Chapters in Edited Volumes

- Straley, E., Cheadle, J.E., Zosky, J.E., **Kiat, J.E.** (in press). "Stressors and Health among LGBTQ+ Individuals in a Midwestern College Community." *Reducing Health Disparities: Research updates from the field (Volume 2)*, edited by Dombrowski K. & Kimberly G.C.

Manuscripts in Review

- Davidson, C. A., **Kiat, J.E.**, Tarasenko, M., Ritchie, A. J. R., Molfese, D., Spaulding, W. D.. Electrophysiological correlates of social cognition in subclinical schizotypy.
- Kiat, J.E.**, Cheadle, J.E. The Moderating Effect of Resistance to Peer Influence on Perceived Exclusion in the Cyberball Paradigm.
- Kiat, J.E.** A High-density EEG investigation of Caffeine Cue Reactivity & Consumption Level.

Manuscripts in Preparation

- Kiat, J.E.** Assessing Cross-Modal Switch-Costs with an Alternation Oddball Paradigm
- Kiat, J.E.** Neural Responses to DRM Lures Presented at Study as a Function of Context Establishment
- Kiat, J.E., Belli, R.F.** Linking Visual and Verbal Styles of Processing with Picture-Word Source Monitoring.
- Kiat, J.E., Belli, R.F.** A High-Density EEG investigation of Source Monitoring Feature Retrieval Differences.
- Kiat, J.E., Belli, R.F.** Linking Individual Differences in Misinformation Susceptibility & Perceptual Source Monitoring Ability.
- Kiat, J.E., Belli, R.F.** Links between Verbal False Memories Recognition Responses on a Picture-Word Source-Monitoring Task and Misinformation Susceptibility.
- Kiat, J.E., Belli, R.F.** Neural Activity during Event Encoding and Subsequent False Memory Susceptibility.
- Kiat, J.E., Belli, R.F.** Individual Differences in False Memory Susceptibility.
- Kiat, J.E., Cheadle, J.E.** Getting to Know You: Strengthening the Impact of Individuation on Empathic Processing.
- Kiat, J.E., Cheadle, J.E.** Tick-Tock Goes the Croc: Neural Responses on a Novel Adversive Risk-taking Task Predicts Real World Risk-Taking.
- Kiat, J.E., Cheadle, J.E.** EEG Functional Connectivity & Risk Taking on the BART.
- Kiat, J.E., Dodd, M.D., Cheadle, J.E.** EEG Functional Connectivity & Visual Change Detection Performance.
- Kiat, J.E., Dodd, M.D., Belli, R.F., Cheadle, J.E.** The Signature of Undetected Change: A High-Density sLORETA Investigation of Change Blindness in Gradually Changing Scenes.
- Kiat, J.E., Long, D., Belli, R.F.** Linking Basic Attentional Responses to Discrepancy Detection on the Misinformation Effect Paradigm.
- Kiat, J.E., Straley, E., Cheadle, J.E.** The Moderating Influence of Sensation Seeking on the Feedback-Related Negativity under Escalating Risk.
- Degirrolamo, G.J., **Kiat, J.E., Zosky, J.E.** The P300 as Response Accuracy Marker in a Visual Tracking Task.

Conference Presentations (cont' on next page)

- Schutte, A., Torquati, J., **Kiat, J.E.** (2016, June). The influence of indoor and natural environments on children's executive function and event-related potentials. Paper presented at the Jean Piaget Society 2016 Meeting. Chicago, IL.
- Kiat, J.E., Straley, E., & Cheadle, J. E.** (2016, April). Escalating risk and the moderating effect of resistance to peer influence on the P200 and feedback-related negativity. Poster presented at the 64th Annual Nebraska Symposium on Motivation. Lincoln, NE.
- Kiat, J.E., Belli, R.F.** (2016, April). A High-Density EEG investigation of the Misinformation Effect: Differentiating between True and False Memories. Poster presented at the 64th Annual Nebraska Symposium on Motivation, Lincoln, NE.
- Kiat, J.E., Belli, R.F.** (2015, November). Neural Components of Source Monitoring Signify Individual Differences in Misinformation Susceptibility. Paper presented at the Psychonomic Society Annual Meeting. Chicago, IL.
- Kiat, J.E., Belli, R.F.** (2015, November). A High-Density EEG investigation of the Misinformation Effect: Differentiating between True and False Memories. Poster presented at the Psychonomic Society Annual Meeting, Chicago. IL.
- Kiat, J.E., Belli, R.F.** (2014, November). Event Representation in the Misinformation Paradigm. Poster presented at the Psychonomic Society Meeting. Long Beach, CA.

- Kiat, J.E.**, Belli, R.F. (2013, November). Event-Related Potential Correlates of Individual Differences in Source Monitoring. Poster presented at the Psychonomic Society Meeting. Toronto, Canada.
- Kiat, J.E.**, Belli, R.F. (2013, June). Disentangling the CEQ-DRM Relationship: The Moderating Role of Source Monitoring. Poster presented at SARMAC X. Rotterdam, Netherlands.
- Kiat, J. E.**, Ganesan, A., & Ong, A. R. (2013, May). The Effects of Distracter Strength & Student Ability on Test Performance. Poster presented at the Midwestern Psychological Association Conference, Chicago, IL.
- Kiat, J. E.**, Ganesan, A., & Ong, A. R. (2012). Exploring Moderating Factors in the Influence of First Estimate Accuracy on Averaged Estimate Accuracy in Simple Reestimation. Poster presented at the Southeast Asia Psychology Conference 2012. Kota Kinabalu, Malaysia.
- Kiat, J. E.**, Ong, A. R., & Ganesan, A. (2012). The Influence of MCQ Distracter Placement on Response Accuracy. Paper presented at the Southeast Asia Psychology Conference 2012. Sabah, Malaysia.
- Kiat, J.E.**, Ganesan A., Ming, K.P.T., Leonard, L.A. (2010, October). Factors Predictive of Improvement in Student Academic Performance during the High School-College Transition. Paper presented at the 3rd ASEAN Union of Psychological Societies Congress. Kuala Lumpur, Malaysia.
- Kiat, J.E.**, Qinyuen, W., Jeevagan, J.J.C., Suan, N.B. (2010, April). Effects of Caffeine on Divergent Thinking. Poster presented at the WCPCG. Antalya, Turkey.
- Kiat, J.E.**, Xin, L.J., Qinyuen, W. (2010, April). Effects of Caffeine on Risk Taking Behavior. Poster presented at the WCPCG. Antalya, Turkey.
- Lukman, H., **Kiat, J.E.**, Ganesan, A., Chua, W.L., Khor, K.L., Choong, Y.F. (2009, September). Social Alienation in Young Children with Strabismus. Poster presented at the XXVII ESCRS Congress. Barcelona, Spain.
- Kiat, J.E.** (2009, July). The Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. Poster presented at SEAP 2009. Kota Kinabalu, Malaysia.
- Kiat, J.E.** (2009, July). Scientific Creativity: The Role of Bisociation and Abstraction. Paper presented at the SEAP Conference 2009. Kota Kinabalu, Malaysia.
- Kiat. J.E.** (2008, October). The Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. Paper presented at the HUC Colloquium. Kuala Lumpur, Malaysia.
- Kiat. J.E.** (2007, October). Encoding under Stressful Conditions: An Interaction between Neuroticism & Extroversion. Poster presented at the HUC Colloquium. K.L, Malaysia,
- Kiat. J.E.** Ho, W.Z. Aidan J. (2006, October). Seating Proximity Choice Changes after Shared Emotional Experiences. Paper presented at the HUC Research Colloquium. Kuala Lumpur, Malaysia.

Media Coverage of Research

“Say my name: UNL study measures how a person's name impacts empathy”. *Lincoln Journal Star*. July 8, 2017.

“What's in a name? Monikers alter empathy in the brain”. *Nebraska Today*, July 1, 2017.

“Malaysia Divorce Rates Skyrocket”. *New Straits Times*, March 6, 2010

Professional Memberships

APA: Student Affiliate, 2015 - present

APS: Graduate Student Affiliate, 2013 - present

SARMAC: Student Affiliate, 2011 – 2013

Society for Neuroscience: Student Member, 2017- present

Undergraduate Research Mentoring (*undergraduate research mentee)

- Kirkpatrick, R.P.*, **Kiat, J.E.**, Belli, R.F. (2015). *False memories and motivation: What is lost when we prioritize information?* Poster presented at the 2015 UNL Spring Research Fair.
- Cooney, S.* & O'Donnell, A.* **Kiat, J.E.**, Belli, R.F. (2015). *Determining Correlates Between False Memory Paradigms: Does the DRM and Picture-Word Source Monitoring Task Predict Imagination & Observation Inflation?* Poster presented at the 2015 UNL Spring Research Fair.
- Casey, S.*, **Kiat, J.E.**, Straley, E., Cheadle, J.E., Brashears, M. (2015). *A Novel Approach to Study the Neural Bases of Social Networks.* Poster presented at the 2015 UNL Spring Research Fair.
- Kaitlin, K.*, **Kiat, J.E.**, Straley, E., Cheadle, Skinner, A. (2015). *Measuring Risk Taking Using EEG.* Poster presented at the 2015 UNL Spring Research Fair.
- Zosky, J.E.*, **Kiat, J.E.**, Kirkpatrick, R.P.*, Belli, R.F. (2014). *Object Typicality's Influence on the Misinformation Effect.* Poster presented at the 2014 UNL Spring Research Fair.

Workshops Conducted

- NSOC Lab EEG Bootcamp: Instructor, University of Nebraska-Lincoln: Summer, 2015
- Introduction to EEG Analysis: Instructor, University of Nebraska-Lincoln: Summer, 2014
- Intermediate EEG Analysis & Artifact Correction: Instructor, UNL: Summer, 2014
- BRAiN Lab EEG Bootcamp: Instructor, UNL: Summer, 2013, Fall, 2014, Spring 2017

Teaching Experience

Instructor, University of Nebraska-Lincoln

- *Human Memory PSYC460*: Summer 2013. Class Size: 20. Held consultation hours. Delivered lectures. Prepped course materials and assignments. Course Topics included Human Memory Models, Neurobiology of Memory, Memory disorders, Aging & Memory, and False Memory Phenomena.

Half-Load Graduate Teaching Assistant, University of Nebraska-Lincoln

- *Intro. to Cog. Psych. PSYC263*: Fall 2012/Spring 2013/Fall 2013/Spring 2014. Class Size: 174/164/168/161. Held consultation hours. Invigilated exams. Graded assignments. Prepped and delivered lectures on social cognition, auditory perception and memory.

Graduate Teaching Assistant, University of Nebraska-Lincoln

- *Human Memory PSYC460*: Fall 2011/Spring 2012. Class Size: 28 & 40. Held consultation hours. Invigilated exams. Graded review reports. Prepped and delivered lectures on eyewitness memory.

Fulltime Graduate Tutor, HUC University

- *Psychometric Methods*: Spring 2010, Fall 2010. Class Size: 120. Assisted with lectures. Graded student presentations and assignments. Conducted weekly tutorial sessions.
- *Biopsychology*: Spring 2009, Fall 2009, Fall 2010. Class Size: 60-80. Assisted with lectures. Graded bi-weekly review papers and Assignments. Conducted tutorial sessions.
- *Advanced Quantitative Methods*: Spring 2009, Fall 2009. Class Size: 22. Assisted with lectures and conducted tutorial sessions. Graded assignments and major papers.
- *Intro. to Psych*: Spring 2008, Fall 2008. Class Size: 200. Assisted with lectures, held consultation hours, graded major assignments. Delivered lectures on memory.
- *Intro. to Quantitative Methods*: Spring 2008, Fall 2008. Class Size: 214. Assisted with lectures and conducted weekly tutorial sessions. Graded assignments.

Skills

Software

- EEG Analysis: EEGLab, EPtoolkit, sLORETA, Brainstorm, Netstation
- fMRI Imaging Analysis: Freesurfer, AFNI, FSL
- Specialized Software: Facegen, Unreal Engine 4 3D Development Suite, Unity
- Programming Environments & Packages: Mplus, SAS, Matlab, SPSS, E-Prime, Psychopy, Medialab, DirectRT, Opensesame, Inquisit, C, Python

Equipment

- High-density EEG: Geodesic EEG 200/300/400
- Eyetracking Systems: Eyelink 2

EEG Analysis

- Threshold & ICA Based Artifact Detection Methods
- Raw Voltage Region Based Analysis
- Temporospatial ICA/PCA decomposition
- FFT/Wavelet Decomposition: Event Related/Resting State Based
- Source Localization Methods: Dipole/LORETA/sLORETA/Measure Projection
- Resting State Analyses
- Coherence/Correlation based Connectivity Analysis

Quantitative

- General Linear Models
- Multilevel/Mixed Modeling
- Structural Equation Modeling & Confirmatory Factor Analysis
- Meta-analytic Methods
- Clustering Methods
- Nonparametric Methods
- Power Estimation: Model/Simulation Based
- Exploratory Data Analysis