

John Emmanuel Kiat

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EDUCATION

May 2018 (Projected) Ph.D., Psychology, University of Nebraska-Lincoln.
Areas of specialization: Neuroscience & Behavior, Social & Cognitive
Additional concentration: Quantitative Methods
2013 M.A., Psychology, University of Nebraska-Lincoln
2008 B.A. (1st Class), Psychology. HUC University (Malaysia)

RESEARCH & PROFESSIONAL EXPERIENCE

2014-2017 Graduate Research Assistant: Sociology, University of Nebraska-Lincoln.
2011-2015 BRAiN Lab Manager, 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.

ACADEMIC AWARDS

2017 Outstanding UNL Graduate Research Assistant (Honorable Mention)
2008 Datuk Paduka Dr. Hajjah Saleha Award (Ranked 1st in Graduating Class)
2007 University of Leeds Award for Excellent Achievement (Top 3rd year student)
2006 Middlesex University Achievement Award (Top 2nd year student)
2005 Middlesex University Achievement Award (Top 1st year student)
2005 HUC Psychology Full Merit Scholarship

GRANTS & FELLOWSHIPS

2017 UNL Dean's Fellowship (\$3000)
2016 Maude Hammond Fling Fellowship (\$42034)
2015 UNL CB3 Seed Grant. *Source Monitoring & the Misinformation Effect: A High-Density EEG Study*. (PI: Kiat, J.E. Co-PI: Robert F. Belli: \$6930)
2011-2013 Othmer Fellowship for Exceptional Scholars (\$24000)
2011-2013 Warden Travel Funding (\$1500)
2008 HUC University's Graduate Fellowship (\$16675: Declined)

RESEARCH HONORS

2016 Outstanding UNL Spring Research Fair Poster Presentation. *Risk & the Moderating Effect of Resistance to Peer Influence on the P200 & FRN*.
2008 University of Queensland Outstanding Psychology Research Award; HUC Colloquium Awards for Best Research Presentation and Presenter. *Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall*.
2006 Best HUC Research Colloquium Presentation. *Seating Proximity Choice Changes after Shared Emotional Experiences*.

PEER-REVIEWED PUBLICATIONS

- Schutte, A., Torquati, J., **Kiat, J.E.** (2017). The influence of Indoor and Natural Environments on Children's Executive Function and Event-Related Potentials. *Children, Youth & Environments*, 27(2).
- 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. (2017). The influence of Distractor Strength and Placement on MCQ Responding. *Educational Psychology*. Advance online publication
- Kiat, J.E.**, Straley, E., Cheadle, J. E. (2017). Why Won't They Sit with Me? An Exploratory Investigation of Stereotyped Cues, Social Exclusion, and the P3b. *Social Neuroscience*. 12(5), 612-625
- 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.
- 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.

BOOK CHAPTERS

- Straley, E., Cheadle, J.E., Zosky, J.E., **Kiat, J.E.** (2016). "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 REVISION

- Kiat, J.E.**, Cheadle, J.E. The Impact of Social Exclusion on Anticipatory Attentional Processes.

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.** Asymmetric Cross-Modal Switch-Costs on an Alternating Visual-Auditory Oddball
- Kiat, J.E.**, Long, D., Belli, R.F. Attentional Responses on the Auditory Oddball predict False Memory Susceptibility.
- Kiat, J.E.**, Dodd, M.D., Belli, R.F. Cheadle, J.E. The Neural Signature of Undetected Change: The Electrotomography of Gradual Change Blindness
- Straley, E., **Kiat, J.E.**, Jacob E. Cheadle, Bridget Goosby. "Predictors of Disclosure of Sexual Minority Identity: How Does Race Matter?"

MANUSCRIPTS IN PREPARATION

- Kiat, J.E.** Increased Specificity in ERP component measurement via Subject-Specific Temporal PCA-Decomposition.
- Kiat, J.E.** Anchoring Effects in Pain Empathy
- Kiat, J.E., Belli, R.F.** Neural Responses to DRM Lures at Study as a Function of Context.
- Kiat, J.E., Belli, R.F.** A High-Density EEG investigation of Source Feature Retrieval.
- 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.** Tick-Tock Goes the Croc: Neural Responses on a Novel Aversive Risk-taking Task Predicts Real World Social Risk-Taking.
- Kiat, J.E., Ganesan, A., Ong, A.R.** Greater Independence in Human Rights Views Associated with Higher Need for Cognition.
- Ganesan, A., **Kiat, J.E.** How Pan-Ethnic Terms like Asian American adversely affect Psychological Research.

CONFERENCE PRESENTATIONS

- Schutte, A., Torquati, J., **Kiat, J.E.** (2016). 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). 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.** (2015). Neural Components of Source Monitoring Signify Individual Differences in Misinformation Susceptibility. Paper presented at the Psychonomic Meeting. Chicago, IL.
- Kiat, J.E., Belli, R.F.** (2015). A High-Density EEG investigation of the Misinformation Effect: Differentiating between True and False Memories. Poster presented at the Psychonomic Meeting, Chicago. IL.
- Kiat, J.E., Belli, R.F.** (2014). Event Representation in the Misinformation Paradigm. Poster presented at the Psychonomic Society Meeting. Long Beach, CA.
- Kiat, J.E., Belli, R.F.** (2013). Event-Related Potential Correlates of Individual Differences in Source Monitoring. Poster presented at the Psychonomic Meeting. Toronto, Canada.
- Kiat, J.E., Belli, R.F.** (2013). 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). 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). Moderating Factors in the Influence of First Estimate Accuracy on Averaged Estimate Accuracy in Reestimation. Poster presented at the Southeast Asia Psychology Conference (SEAP) 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 SEAP 2012. Kota Kinabalu, Malaysia.
- Lukman, H., **Kiat, J.E., Ganesan, A., Chua, W.L., Khor, K.L., Choong, Y.F.** (2009). Social Alienation in Young Children with Strabismus. Poster presented at the XXVII ESCRS Congress. Barcelona, Spain.
- Kiat, J.E.** (2009). The Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. Poster presented at SEAP 2009. Kota Kinabalu, Malaysia.

- Kiat, J.E.** (2009). Scientific Creativity: The Role of Bisociation and Abstraction. Paper presented at SEAP 2009. Kota Kinabalu, Malaysia.
- Kiat, J.E.** (2008). 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). Encoding under Stressful Conditions: An Interaction between Neuroticism & Extroversion. Poster presented at the HUC Colloquium. Kuala Lumpur, Malaysia.
- Kiat, J.E.** Ho, W.Z. Aidan J. (2006). Proximity Choice Changes from Shared Emotional Experiences. Paper presented at the HUC Colloquium. Kuala Lumpur, Malaysia.

CAMPUS & DEPARTMENTAL TALKS

- Attentional Responses on the Auditory Oddball predict False Memory Susceptibility (2016), UNL, CABiN brownbag.
- The Role of Visual and Verbal Source Monitoring in the Misinformation Effect (2016), UNL, CABiN brownbag.
- A Rose by any Other Name: The Impact of Individuation on the Informational Bases of Human Empathic Responding (2016). UNL, CABiN brownbag.
- Escalating Risk and the Moderating Effect of Resistance to Peer Influence on the P200 and Feedback Related Negativity (2015). UNL, Social-Cognitive brownbag.
- A High-Density EEG Investigation of Misinformation Effect: Differentiating between True and False Perceptual Episodic Memories. (2015). UNL, CABiN brownbag.
- Investigating the Neural Changes Associated with Escalating Risk: The Moderating Effect of Resistance to Peer Influence (2015). UNL, CABIN brownbag.
- Event-Related Potential Correlates of Individual Differences in Source Monitoring (2013). UNL, CABIN brownbag.

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 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 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 UNL Spring Fair.
- Kaitlin, K.*, **Kiat, J.E.**, Straley, E., Cheadle, Skinner, A. (2015). *Measuring Risk Taking Using EEG.* Poster presented at the 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 UNL Spring Research Fair.
- Kiat, J.E.**, Ganesan A., Ming, K.P.T*., Leonard, L.A.* (2010). Factors Predictive of Improvement in Student Academic Performance during the High School-College Transition. Paper presented at the 3rd ASEAN Union of Psychological Societies.
- Kiat, J.E.**, Qinyuen, W*., Jeevagan, J.J.C*., Suan, N.B*. (2010). Effects of Caffeine on Divergent Thinking. Poster presented at the World Conference on Psychology, Counseling and Guidance (WCPCG).
- Kiat, J.E.**, Xin, L.J*., Qinyuen, W*. (2010). Effects of Caffeine on Risk Taking Behavior. Poster presented at the WCPCG.

UNDERGRADUATE MENTORING SUCCESS

Zosky, J.E. (University of Nebraska-Lincoln graduate student), Cooney, S. (University of South Florida graduate student), Kirkpatrick R.P (University of Virginia graduate student), Roundtree, M. (University of Nebraska-Lincoln graduate student), Ong, A.R. (University of Michigan graduate student),).

MEDIA COVERAGE

“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

ACADEMIC SERVICE

Graduate student committee member on two UNL CB3 Director searches (2016)

Full committee member on UNL Social Neuroscience Assistant Professor search (2013)

Ad hoc reviewer: *Neuropsychologia; Cognitive, Affective, & Behavioral Neuroscience; Memory & Cognition*

WORKSHOPS CONDUCTED

2015 NSOC Lab EEG Bootcamp: Instructor, UNL

2014 Introduction to EEG Analysis: Instructor, UNL

2014 Intermediate EEG Analysis & Artifact Correction: Instructor, UNL

2013 & 2014 BRAIN Lab EEG Bootcamp: Instructor, UNL

TEACHING EXPERIENCE

Instructor, University of Nebraska-Lincoln

Human Memory: Summer 2013

Graduate Teaching Assistant, University of Nebraska-Lincoln

Introduction to Cognitive Psychology: Spring 2014, Fall 2013, Spring 2013, Fall 2012

Human Memory: Spring 2012, Fall 2011

Graduate Teaching Assistant, HUC University

Biopsychology: Spring 2009, Fall 2009

Cognitive Psychology: Spring 2009, Fall 2009, Spring 2011

Social Psychology: Fall 2008, Spring 2011

Research Methods: Spring 2008, Spring 2010

Advanced Research Methods: Spring 2010, Spring 2011

Introduction to Psychological Testing: Spring 2010

Introduction to Quantitative Methods: Spring 2008, Fall 2008

Advanced Quantitative Methods: Spring 2009, Fall 2009

Introduction to Psychology: Spring 2008, Fall 2008

PROFESSIONAL MEMBERSHIPS

APA: Student Affiliate, 2015 - present

APS: Graduate Student Affiliate, 2013 - present

Society for Neuroscience: Student Member, 2017- present

TECHNICAL SKILLS TRAINING

Neuroendocrinology

Salivary Bioscience Camp, University of Nebraska-Lincoln (Spring 2017)

fMRI Analysis

NIH AFNI Bootcamp (Fall 2016)

Developmental Brain Lab EEG Bootcamp, University of Nebraska-Lincoln (Fall, 2012)

FSL Training Workshop, University of Nebraska-Lincoln (Summer, 2017)

General Neuroimaging

Multi-Modality Short Course, MGH/MIT/HMS Martinos Center (Spring 2014)

Core Outreach Workshop, University of Nebraska-Lincoln (Summer 2017)

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/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