

John Emmanuel Kiat

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The University of Nebraska-Lincoln
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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

2011-2013 M.A., Psychology, University of Nebraska-Lincoln

2004-2008 B.A., (1st Class), Psychology. HELP University College (HUC: Malaysia)

RESEARCH & PROFESSIONAL EXPERIENCE

2011-2018 Graduate Research Assistant: 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

2006-2007 Research Intern, HUC Psychometric Testing Center

ACADEMIC AWARDS

2017 University of Nebraska-Lincoln Outstanding Graduate Research & Activities Award (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

2016 Maude Hammond Fling Fellowship

2015 UNL CB3 Seed Grant. *Source Monitoring & the Misinformation Effect: A High-Density EEG Study*. (PI: Kiat, J.E. Co-PI: Robert F. Belli: USD 6930)

2011-2013 Othmer Fellowship for Exceptional Scholars

2011-2013 Warden Travel Funding

2008 HUC University's Graduate Fellowship (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

2007 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

1. **Kiat, J.E.**, Cheadle, J.E. Goosby, B.J. (in press). The Impact of Social Exclusion on Anticipatory Attentional Processes. *International Journal of Psychophysiology*.
2. **Kiat, J. E.**, Ong, A. R., & Ganesan, A. (in press). The influence of Distractor Strength and Placement on MCQ Responding. *Educational Psychology*.
3. **Kiat, J.E.**, Dodd, M.D., Belli, R.F. Cheadle, J.E. (in press). The Signature of Undetected Change: An Exploratory Electrotomographic Investigation of Gradual Change Blindness. *Journal of Neurophysiology*.
4. Davidson, C. A., **Kiat, J.E.**, Tarasenko, M., Ritchie, A. J. R., Molfese, D., Spaulding, W. D. (in press). Electrophysiological correlates of social cognition in subclinical schizotypy. *Personality and Mental Health*.
5. **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.
6. **Kiat, J.E.**, Cheadle, J.E. (2017). The Impact of Individuation on the Bases of Human Empathic Responding. *Neuroimage*. 155, 312-321
7. **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
8. 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)
9. **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
10. 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
11. 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
12. 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

MANUSCRIPTS IN REVIEW/REVISION

1. **Kiat, J.E.** The Impact of Individuation on Anchoring-and-Adjustment Dynamics in Empathic Decision-Making
2. **Kiat, J.E.**, Cheadle, J.E. Tick-Tock Goes the Croc: A High-Density EEG Investigation of Risk-Taking Reactivity and Binge-Drinking Susceptibility
3. **Kiat, J.E.** Context Refreshing Effects on a Cross-Modal Visual-Auditory Oddball.
4. **Kiat, J.E.**, Long, D., Belli, R.F. Attentional Responses on the Auditory Oddball predict False Memory Susceptibility.
5. Straley, E., **Kiat, J.E.**, Cheadle, J.E., Goosby, B.J. Predictors of Disclosure of Sexual Minority Identity: How Does Race Matter?

BOOK CHAPTERS

1. 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 (Vol. 2), edited by Dombrowski K. & Kimberly G.C.

CONFERENCE PRESENTATIONS

1. **Kiat, J.E.**, Cheadle, J. E. (2017). The Impact of Individuation on the Bases of Human Empathic Responding. Poster presented at the Society for Neuroscience 2017. Washington, DC.
2. 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.
3. **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.
4. **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.
5. **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.
6. **Kiat, J.E.**, Belli, R.F. (2014). Event Representation in the Misinformation Paradigm. Poster presented at the Psychonomic Society Meeting. Long Beach, CA.
7. **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.
8. **Kiat, J.E.**, Belli, R.F. (2013). Disentangling the CEQ-DRM Link: The Moderating Role of Source Monitoring. Poster presented at SARMAC X. Rotterdam, Netherlands.
9. **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.
10. **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. Kinabalu, Malaysia.
11. **Kiat, J. E.**, Ong, A. R., & Ganesan, A. (2012). The Influence of MCQ Distractor Placement on Response Accuracy. Paper presented at SEAP 2012. Kinabalu, Malaysia.
12. 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.
13. **Kiat, J.E.** (2009). The Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. Poster presented at SEAP 2009. Kota Kinabalu, Malaysia.
14. **Kiat, J.E.** (2009). Scientific Creativity: The Role of Bisociation and Abstraction. Paper presented at SEAP 2009. Kota Kinabalu, Malaysia.
15. **Kiat, J.E.** (2008). Relative Efficiency of Visual and Verbal Encoding Strategies in Eyewitness Recall. Paper presented at the HUC Colloquium. Kuala Lumpur, Malaysia.
16. **Kiat, J.E.** (2007). Encoding under Stressful Conditions: An Interaction between Neuroticism & Extroversion. Poster presented at the HUC Colloquium. Kuala Lumpur, Malaysia.
17. **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.
18. **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.
19. **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). Antalya, Turkey.
20. **Kiat, J.E.**, Xin, L.J., Qinyuen, W. (2010). Effects of Caffeine on Risk Taking Behavior. Poster presented at the WCPCG. Antalya, Turkey.

CAMPUS & DEPARTMENTAL TALKS

Attentional Responses on the Auditory Oddball predict False Memory Susceptibility (2017), 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.

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

"UNL study shows how your brain braces for rejection". *Lincoln Journal Star*. Dec. 18, 2017.

"Study shows how the brain anticipates social exclusion". *Nebraska Today*, Dec. 14, 2017.

"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*; *Social Neuroscience*

WORKSHOPS CONDUCTED

2015 2-week NSOC Lab EEG Bootcamp: Instructor, UNL
 2014 8-week Introduction to EEG Analysis: Instructor, UNL
 2014 8-week Intermediate EEG Analysis & Artifact Correction: Instructor, UNL
 2014 3-week BRAiN Lab EEG Bootcamp: Instructor, UNL
 2013 4-week 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

FSL Training Workshop, University of Nebraska-Lincoln: Summer, 2017

NIH AFNI Bootcamp: Fall 2016

Multimodal-Neuroimaging

Core Outreach Workshop, University of Nebraska-Lincoln: Summer 2017

Two-Week Multi-Modality Short Course, MGH/MIT/HMS Martinos Center: Spring 2014

Developmental Brain Lab Bootcamp, University of Nebraska-Lincoln: Fall, 2012

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

Equipment

- High-density EEG: Geodesic EEG 200/300/400
- Low-density EEG: Emotive EPOC+
- 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\Generalized 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