

CURRICULUM VITAE

The Johns Hopkins University School of Medicine



March 20, 2023

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointment

2018-present Center for OCD, Anxiety, and Related Disorders for Children (COACH)
Postdoctoral Research Fellow, Johns Hopkins University School of Medicine
Department of Psychiatry and Behavioral Sciences—Child and Adolescent Psychiatry

Personal Data

AKA: Joey Ka-Yee Essoe, Ka Yee Lau, 劉家宜
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Education and Training

Undergraduate

2006	B.A.	Psychology (Psychophysiology)	San Francisco State University
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Doctoral/Graduate

2013	M.A.	Psychology (Behavioral Neuroscience)	University of California, Los Angeles
2016	C.Phil.	Psychology (Cognitive Neuroscience)	University of California, Los Angeles
2018	Ph.D.	Psychology (Cognitive Neuroscience, Quantitative Psychology)	University of California, Los Angeles

Postdoctoral

2018-pres.	Post-Doc	Psychiatry & Behavioral Sciences – Child & Adolescence Psychiatry	Johns Hopkins University SOM
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Professional Experience

2001	Research Intern, Psychology Department, SFSU
2002-2005	Honors Researcher, Cognitive Psychophysiology Laboratory, SFSU
2003-2005	Teaching Assistant, Psychology Department, SFSU
2004	Teaching Assistant, Psychology Department, City College of San Francisco
2005	Assistant Director, Cognitive Psychophysiology Summer Internship Programme, SFSU.
2010-2011	Research Assistant, Neuroscape (formerly Gazzaley Laboratory), UCSF
2011-2012	Research Associate and Lab Manager, Neuroscape, UCSF
2012-2018	Graduate Researcher, Rissman Memory Lab, UCLA
2015-2018	Teaching Assistant, Departments of Psychology, Neuroscience, and Physiological Sciences, UCLA
2016-2018	Graduate Collaborator, Semel Institute for Neuroscience and Human Behavior, UCLA
2017-2018	Graduate Collaborator, Child & Adolescent Psychiatry, Johns Hopkins University SOM
2018-pres.	Postdoctoral Research Fellow, Psychiatry and Behavioral Sciences, Johns Hopkins University SOM

PUBLICATIONS

Underline indicates mentees, * indicates individuals from underrepresented, disadvantaged, non-traditional, or ethnic minority backgrounds, † indicate individuals identify as women.

Original Research

1. **Essoe, JK-Y**, Reggente, N, Ohno, AA, † Baek, HY, †* Dell'Italia, J, Rissman, J. (2022). Enhancing learning and retention with distinctive virtual reality environments and mental context reinstatement. *Npj Science of Learning*, 7(1), Article 1. [\[link\]](#)
2. Tang, Y, Béjar, B., **Essoe, JK-Y**, McGuire, JF, & *Vidal, R. (2022). Facial Tic Detection in Untrimmed Videos of Tourette Syndrome Patients. *2022 26th International Conference on Pattern Recognition (ICPR)*, 3152–3159. [\[link\]](#)
3. **Essoe, JK-Y**, †Ricketts, EJ, †Ramsey, KA, Piacentini, J, Woods, DW, Peterson, AL, Scahill, L, †Wilhelm, S, Walkup, JT, & McGuire, JF, (2021). Homework Adherence Predicts Therapeutic Improvement from Behavior Therapy in Tourette's Disorder. *Behavioural Research and Therapy*, 140, 103844. [\[link\]](#)
4. McGuire JF, Piacentini J, Storch EA, Ricketts EJ, †Woods DW, Peterson AL, Walkup JT, †Wilhelm S, †Ramsey K, **Essoe JK**, Himle MB, (2020). Defining Tic Severity and Tic Impairment in Tourette Disorder. *Journal of Psychiatric Research*. 2020 Dec 13. [\[link\]](#)
5. †Ramsey KA, **Essoe JK**, Storch EA, Lewin AB, †Murphy TK, McGuire JF, (2020). Urge Intolerance and Impairment Among Youth with Tourette's and Chronic Tic Disorders. *Child Psychiatry & Human Development*. 2020 Oct 23:1-1. [\[link\]](#)
6. †Ramsey KA, **Essoe JK**, Storch EA, Lewin AB, †Murphy TK, McGuire JF, (2020). The role of affect lability on tic severity and impairment in youth with Tourette's disorder. *Journal of Obsessive-Compulsive and Related Disorders*. 2020 Oct 1;27:100578. [\[link\]](#)
7. McGuire JF, Ginder N, †Ramsey K, **Essoe JK**, †*Ricketts EJ, McCracken JT, Piacentini J, (2020). Optimizing behavior therapy for youth with Tourette's disorder. *Neuropsychopharmacology*. 2020 Nov;45(12):2114-9. [\[link\]](#)
8. *Reggente, N, **Essoe, JK-Y**, †*Baek, HY, & Rissman, J, (2019). The Method of Loci in Virtual Reality: Explicit Binding of Objects to Spatial Contexts Enhances Subsequent Memory Recall. *Journal of Cognitive Enhancement*, 2019; 1-19. [\[link\]](#)

Review Articles [RA]

1. †Patrick, AK, †Ramsey, KA, **Essoe, JK-Y**, McGuire, J.F. (Accepted). Clinical Considerations for an Evidence-Based Assessment for Obsessive-Compulsive Disorder. *Psychiatry Clinics*.
2. **Essoe, JK-Y**, †Patrick, AK, †Reynolds, K, †Schmidt, A, †Ramsey, KA, McGuire, JF, (2022). Recent Advances in Psychotherapy with Virtual Reality: Closing the Research-to-Practice Gap. *Advances in Psychiatry and Behavioral Health* 2:79-93. [\[link\]](#)
3. **Essoe, JK-Y**, †Ramsey, KA, Singer, HS, Grados, M, & **McGuire, JF**, (2021). Mechanisms Underlying Behavior Therapy for Tourette's Disorder. *Current Developmental Disorders Reports*, 1-14. [\[link\]](#)
4. **Essoe, JK-Y**, Grados, MA, Myers, NS, Singer, HS, McGuire, JF, (2019). Evidence-based Treatment of Tourette's Disorder and Chronic Tic Disorders. *Expert Review of Neurotherapeutics*. 2019; 1-13. [\[link\]](#)
5. McGuire, JF, Orr, SP, **Essoe, JK-Y**, McCracken, JT, Storch, EA, Piacentini, J, (2016). Extinction Learning in Childhood Anxiety Disorders, Obsessive Compulsive Disorder and Posttraumatic Stress Disorder: Implications for Treatment. *Expert Review of Neurotherapeutics* 2016;16(10), 1155-1174. [\[link\]](#)
6. *Reggente, N, **Essoe, JK-Y**, Aghajani, ZM, Tavakoli, AV, McGuire, JF, †Suthana, NA, Rissman, J. (2018) Enhancing the ecological validity of fMRI memory research using virtual reality. *Frontiers in Neuroscience* 2018;12, 408. [\[link\]](#)

Book Chapters, Monographs [BC]

1. †Canella, R, **Essoe, JK-Y**, *Grados, M, & McGuire, JF, (2020). Overcoming challenges in exposure therapy. In *Exposure Therapy for Children with Anxiety and OCD* (pp. 383-404). Academic Press. [\[link\]](#)
2. **Essoe, JK-Y**, Rissman, J, (2018). Functional Neuroimaging Methods in Memory Research. In H. Otani & B. Schwartz (Eds.), *Handbook of Research Methods in Human Memory 2018*:397-427. New York, NY: Routledge. [\[link\]](#)

Other Media [OM] (Videos, Websites, Blogs, Social Media, etc.)

1. 2013 **Essoe, JK-Y**, Reinforcement vs Punishment: from Animal Training to Theology [\[link\]](#), Psychology in Action. 2,885 views between July 2017 and March 2019.
2. 2014 **Essoe, JK-Y**, Odds Are: On the difference between odds, probability, and risk ratio [\[link\]](#), Psychology in Action. 1,490 views between July 2017 and March 2019.
3. 2015 **Essoe, JK-Y**, An Illustrative Guide to Statistical Power, Alpha, Beta, & Critical Values [\[link\]](#), Psychology in Action. 25,966 views between July 2017 and March 2019.

FUNDING

EXTRAMURAL Funding

Research Extramural Funding

Current

- 2021-2023 *Associative Learning in Youth with Misophonia*
 Misophonia Research Fund
 \$400,000
 Role: Co-I, 40%
- 2021-2022 *Neurophysiology of tic inhibition in youth with Tourette Syndrome*
 Pilot Grant of the Behavioral Phenotyping Core
 Intellectual and Developmental Disabilities Research Center
 Role: PI
- 2019-2022 *Optimizing the Treatment of Tourette's Disorder Using Machine Learning and Computer Vision.*
 Discovery Challenge Award
 Johns Hopkins Discovery Fund Program
 \$ 200,000
 Role: Co-I, 10%

Previous

- 2018-2022 *Extinction Learning in Youth with Tourette's Disorder.*
 Young Investigator Award
 Tourette Association of America
 \$ 152,559
 Role: PI, 50%
- 2014-2017 *How to improve transfer and long-term retention in virtual reality education: A behavioral paradigm bridging the gap between cognitive learning techniques and virtual reality research.*
 Graduate Research Fellowship
 National Science Foundation
 \$144,500
 Role: Fellow, 50%
- 2013-2016 *Giving classic learning principles a virtual makeover: Neural correlates of effective retrieval of memories formed a virtual world.*
 Young Investigator Award (PI: J. Rissman)
 Defense Advanced Research Projects Agency
 \$498,130
 Role: Graduate researcher, 50%

Other Extramural Funding

Previous

- 2020, 2022 *Scholarship Presenter Awards*
 Tourette Association of America
 \$653. Role: Invited Speaker

INTRAMURAL Funding

Research Intramural Funding

Previous

- 2013 *Graduate Summer Research Mentorship Award*
 Psychology Department, UCLA
 \$13,000. Role: Fellow, 100% efforts
- 2013-2014 *Graduate Research Mentorship Award*
 Graduate Division, UCLA
 \$33,202. Role: Fellow, 50% efforts

Research Intramural Funding (cont.)

2014 *Graduate Summer Research Mentorship Award*
Psychology Department, UCLA
\$13,000. Role: Fellow, 50% efforts

Educational Intramural Funding

Previous

2012-2013 *Distinguished University Fellowship*
Graduate Division, UCLA
\$35,618. Role: Fellow, 100% efforts

2017 *Doctoral Student Travel Grant*
Graduate Division, UCLA
\$1,000. Role: Awardee

RECOGNITION

Awards, Honors

1997 Distinction in Human Biology, the Hong Kong Certificate of Education Examination (HKCEE)
2001-2005 SFSU College of Behavioral and Social Sciences Dean's List
2004-2006 Honors Researcher, SFSU Psychology Department Honor Research Thesis Program
2004-2006 Golden Key International Honor Society
2004-2006 Psi Chi International Honor Society in Psychology
2013 Alternate List Honorable Mention Pre-Doctoral Fellowship, National Academy Ford Foundation
2013 Honorable Mention, Graduate Research Fellow, National Science Foundation
2014-2017 Graduate Research Fellow, National Science Foundation
2016 Finalist, Harvey Fellows, Mustard Seed Foundation
2020, 2022 Scholarship Presenter Award, Tourette Association of America
2019-2022 Young Investigator Award, Tourette Association of America

Invited Talks (6)

Dec 2022 (International) Medical XR & Immersive Healthcare: Risks and Opportunities of using immersive healthcare. XR Safety Initiative (XRSI) Metaverse Safety Week 2022
Nov 2022 (International) Keynote at the Tic & OCRDs Special Interest Meeting Association for Behavioral and Cognitive Therapy Convention, New York, NY.
Title: Extinction Learning and Extinction Generalization Predicted Therapeutic Improvement in Youth with Tourette Disorder Receiving Behavior Therapy
May 2022 (National) Research symposium: Innovative research in Tourette Disorder. Tourette Association of America 50th National Conference, Minneapolis, MN.
Title: Extinction Learning and Extinction Generalization Predicted Therapeutic Improvement in Youth with Tourette Disorder Receiving Behavior Therapy
May 2021 (National) Tourette Disorder research symposium: Recent Discoveries and Future Directions. Tourette Association of America 2nd Virtual Conference, Minneapolis, MN
Title: Mechanisms Underlying Behavior Therapy for Tourette's Disorder
Apr 2016 (International) Virtual Reality Clinical Neuroscience Symposium (Chairs: K. Bullock & B. Kateb). The Society for Brain Mapping & Therapeutics Annual World Congress, Los Angeles, CA.
Title: Making VR learning "stick": contextually supported transfer and long-term retention.
Apr 2016 (Regional) The Future of Virtual & Augmented Reality: Mind, Medicine, & Media. Symposium Cognitive Science Student Association Conference, UCLA, Los Angeles, CA.
Title: DIY VR: Build your own virtual reality in 10 minutes using OpenSimulator.

EDUCATIONAL ACTIVITIES

Educational Focus

As a first-generation university student and an immigrant, I have leveraged my interdisciplinary knowledge to cultivate the next generation of scientists, disseminate scientific findings to the public, and serve my local community at every career stage.

- As a teacher and research mentor I support students from diverse backgrounds in team-leadership, independent projects, and conference presentations. Many former students now thrive as assistant professor, doctoral/medical students, or young leaders in the tech sector.
- I led an organization that disseminates research to the public through events and weblogs (during my presidency, monthly blog readership grew from 9,700 to 25,700).
- I volunteer weekly to serve my community (including two years mentoring teenage mothers and three years serving inner-city youths).

Teaching

Classroom instruction: for Lower Division Undergraduate Students

Sp 2004	Teaching Assistant, General Psychology, City College of San Francisco (2 lectures, 2 review sessions)
Fa 2004	Teaching Assistant, Biological Psychology, City College of San Francisco (1 lecture, 2 review sessions)
Wi 2017	Teaching Associate, Introduction to Psychology, UCLA (282 students, 25% efforts)

Classroom instruction: for Upper Division Undergraduate Students

Fa 2003	Teaching Assistant, Theories of personality, SF State University
Sp & Fa 2004	Teaching Assistant, Perception, SF State University (2 review sessions)
Sp & Fa 2005	Teaching Assistant, Perception, SF State University (2 lectures, 2 review sessions)
Wi 2015	Teaching Assistant, Psychological Statistics, UCLA (428 students, 2 review sessions, 25% efforts)
Wi 2016	Session Instructor, Research Methods, UCLA (20 students, 18 lectures, 50% efforts)
Fa 2017	Session Instructor, Cognitive Psychology, UCLA (50 students, 18 lectures, 50% efforts)
Sp 2018	Teaching Associate, Neural Bases of Bias and Discrimination, UCLA (90 students, 1 lecture, 2 review sessions, 50% efforts)

Workshops /seminars: for Upper Division Undergraduate Students

2005	Assistant Director, Cognitive Psychophysiology Summer Internship Programme, San Francisco State University. (3-month, 40 hours a week training in cognitive psychophysiology research, 10 students)
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Workshops /seminars: for Graduate Students

2013	Panelist, on the application of The National Academies' Ford Fellowship
2013	Panelist, on community service opportunities as graduate students in UCLA
2014, 2015	Panelist, on the application of the National Science Foundation's GRFP
2014, 2015	Panelist, on communicating scientific research to the general public on the web

Mentoring

Pre-doctoral Advisees /Mentees

1. 2011-13 Jason Samaha, Ph.D., currently Assistant Professor at UC Santa Cruz. (Poster #14)
2. 2011-12 † Kayla Bowen, M.A. in Developmental Psychology at SFSU, then research associate at the Health Equity Institute. Currently J.D. student at UC Hastings. (Poster #14)
3. 2011-13 † Cammie Rolle, Ph.D., Stanford University. Currently Postdoc at UPenn. (Poster #14)
4. 2012-15 * Daniel Lin, B.S., currently Design Fellow at Kleiner Perkins Caulfield & Byers, Product Manager at Yahoo!, founder of Side Studio. (Poster #13). Awards received during mentorship:
 - 2014 UCLA Undergraduate Research Fellows Program, Fellow
 - 2015 UCLA Psychology Departmental Honors Program, Honors Researcher
 - 2015 UCLA Undergraduate Research Scholars Program, Scholar
5. 2012-14 * Joseph Tran, B.S., now M.D. student at UCLA David Geffen School of Medicine. (Poster #13)
6. 2013-14 James Mutter, B.S., currently Software Development Engineer In Test at ADP. (Poster #13)
7. 2013-15 † Jennifer Zhou, B.S., currently Pharm.D. student at UCSF School of Pharmacy. (Poster #13)
8. 2014-15 † Xin Song, M.A., currently Ph.D. student at University of Minnesota Twin Cities. (Poster #8)
9. 2014-15 † Dana Frostig, B.A., later Master student of Human Computer Interface at Carnegie Mellon University. (Posters #8, 11, 13)
10. 2014-16 * Jacob Yu Villa, M.S., currently Associate UX Researcher at PlayStation. (Posters #6, 8)

11. 2015-16 †* Priyanka Mehta, B.S., currently Ph.D. student at the University of Minnesota. Advisor: Ben Hayden, formerly at University of Rochester. (Posters #5, 6, 7, 8, 12)
12. 2015-17 * Alvin T. Vuong, B.S., currently co-founder/CEO of Escalaty, a virtual/augmented reality game company. (Posters #4, 5, 6). Awards received during mentorship:
 - 2016 UCLA Scholarship Recognition Award
 - 2016 DodgeLodge: Top Ten @ LA Hacks
13. 2014-17 †* Ai Aileen Ohno, B.S., currently 4th year medical student at Western University of Health Sciences. (Oral Presentation #1, Posters #4, 5, 6, 7, 8, 12). Awards received during mentorship:
 - 2015 American Association of Japanese University Women Scholarship
 - 2016 Kiichi Egashira Memorial Scholarship
 - 2016, 2017 UCLA Library Research Poster Grant
 - 2016 Outstanding Poster Award at UCLA Undergraduate Research Week
 - 2016 UCLA Undergraduate Research Fellowship
14. 2014-17 †* Hera Yongji Baek, M.A., currently Ph.D. student in neuroimaging at Manchester University. (Original Research Paper #6, Oral Presentation #1, Posters # 4, 5, 8, 12)
15. 2018-20 †* Sara Reagan, B.S., currently Clinical Research Assistant in the Department of Neurology, Perelman School of Medicine, University of Pennsylvania.
16. 2018-19 †* Tiffany McIntyre, B.A., later master student at Towson University, now Research Assistant at Kennedy Krieger Institute.
17. 2018-19 †* Anna Hu, B.A., B.S., currently Research Assistant at Chen Lab, Psychology & Brain Sciences, Johns Hopkins University
18. 2018-19 †* Carol Yuming Li, B.S. (2021), currently software engineer at Google, Johns Hopkins University
19. 2019-22 †* Nordia Simmonds, B.S. in Psychology and Spanish, Johns Hopkins University. Awards received during mentorship:
 - 2020 JHU Life Design Lab Summer Plunge Award
 - 2020 JHU Krieger School of Arts & Sciences Second Decade Society Summer Award
 - 2021 JHU Krieger School of Arts and Sciences Dean's ASPIRE Award
20. 2019-22 † Abigail Schmidt, B.S. in Psychology, Towson University
21. 2020-22 †* Kyana Brubaker, B.A., currently nursing student at Johns Hopkins University.
22. 2020- * Nathan Boyle, undergraduate research assistant, B.S. in Neuroscience and B.A. in Psychology (expected 2024), University of Maryland, College Park. Award received during mentorship:
 - 2021 UMD Maryland Summer Scholarship
23. 2020- † Brianna Groch, undergraduate research assistant, B.A. in Psychology and minor in Women, Gender, and Sexuality Studies (expected 2022), Johns Hopkins University.
24. 2021-22 †* Yasmine Boumaiz, B.A. in Psychology, B.S. in Neurobiology and Physiology, U. of Maryland.
25. 2021- †* Britney Murray, undergraduate research assistant, B.A. in Psychology and Public Health Studies (expected 2023), Johns Hopkins University.
26. 2021-22 †* Ebubechukwu (Obi) Onyinanya, undergraduate research assistant, B.S. in Neuroscience, Johns Hopkins University. Now research associate at Johns Hopkins University SOM. Award during mentorship:
 - 2021 Woodrow Wilson Fellow
27. 2021- * Han Yun (Daniel) Park, undergraduate research assistant, B.A. in Psychology (expected 2024), Johns Hopkins University.
28. 2021- †* Alexandra (Lexy) Chang, undergraduate research assistant, B.A. in Psychology and Public Health Studies (expected 2023), Johns Hopkins University.
29. 2021-22 † Katlyn Reynolds, MHS, Bloomberg School of Public Health, Johns Hopkins University.
30. 2022- Fred Miglo, undergraduate research assistant, B.S. in Neuroscience and minor in Psychology (expected 2024), Johns Hopkins University.
31. 2022- †* Tanvi Kosuri, undergraduate research assistant, B.A. in Public Health Studies (expected 2024), Johns Hopkins University.
32. 2022- †* Emily Chung, undergraduate research assistant, B.A. in Public Health Studies (expected 2024), Johns Hopkins University.
33. 2022- † Sydney Cantrell, undergraduate research assistant, B.A. in Psychology and minor in Writing Seminars (expected 2023), Johns Hopkins University.

ORGANIZATIONAL ACTIVITIES

Journal peer review activities

2019-pres	Ad-hoc Journal Reviewer, Child Psychiatry & Human Development
2019	Ad-hoc Journal Reviewer, Comprehensive Psychiatry
2019	Ad-hoc Journal Reviewer, International Journal of Psychiatry in Clinical Practice
2020	Ad-hoc Journal Reviewer, European Child & Adolescent Psychiatry
2022	Ad-hoc Journal Reviewer, Frontier in Neuroscience
2022	Ad-hoc Journal Reviewer, Frontier in Virtual Reality

Professional Societies

2003-2018	Student Member, Cognitive Neuroscience Society
2006	Student Member, Association for Chemoreception Sciences
2012-2018	Student Member, Association for Psychological Science
2013-2014	Student Member, Extreme Science & Engineering Discovery Environment (XSEDE)
2013-2014	Web Division Leader, Psychology in Action
2014-2016	President, Psychology in Action
2016-pres	Advisory Board Member, Psychology in Action

OTHER PROFESSIONAL ACCOMPLISHMENTS

Oral/Podium Presentations

1. **Essoe, JK-Y**, *Reggente, N, †*Ohno, A, †*Baek, HY-J, & Rissman, J (2017, May). *Distinctive virtual reality contexts bolster long-term retention of interference-prone materials*. Oral presentation at the Context and Episodic Memory Symposium, Philadelphia, PA.
2. **Lau, JK-Y**, †Thomas, AM, Geisler, MW (2004, May). *Effects of sleep quality on long-term memory: an EEG study*. Oral presentation at Stanford Undergraduate Psychology Conference, Stanford, CA.
3. **Lau, JK-Y**, †Thomas, AM, Geisler, MW (2004, May). *Effects of sleep quality on long-term memory: an EEG study*. Oral presentation at Psi Chi San Francisco State University Chapter's First Annual Student Psychology Conference, San Francisco, CA.
4. †Thomas, AM, **Lau, JK-Y**, Geisler, MW (2004, May). *Effects of Headaches on long-term memory*. Oral presentation at Psi Chi San Francisco State University Chapter's First Annual Student Psychology Conference, San Francisco, CA.

Posters

1. *Boyle, NM, †Ramsey, KA, McGuire, JF & **Essoe, JK-Y** (2022). *Characterizing Physiological Markers of Premonitory Urges in Tourette Syndrome: A Machine Learning Approach*. Poster presented at American Physician Scientists Association (APSA) Northeast Regional Conference, Pittsburgh, PA, United States.
2. **Essoe, JK-Y**, †*Ricketts, EJ, †Ramsey, KA, Piacentini, J, Woods, DW, Peterson, AL, Scahill, L, †Wilhelm, S, Walkup, JT, McGuire, JF (2020). *Homework Adherence Predicts Therapeutic Improvement from the Comprehensive Behavioral Intervention for Tics (CBIT)*. Poster presented at the Association for Behavioral and Cognitive Therapies 54th Annual Convention.
3. **Essoe, JK-Y**, †*Ricketts, EJ, †Ramsey, KA, Piacentini, J, Woods, DW, Peterson, AL, Scahill, L, †Wilhelm, S, Walkup, JT, McGuire, JF (2020). *Homework adherence predicts therapeutic improvement from behavior therapy in Tourette's Disorder*. Poster presented at the Tourette Association of America's Inaugural Virtual Conference.
4. (2) †*Ohno, A, *Vuong, A, †*Baek, Y, **Essoe, JK-Y**, *Reggente, R, & Rissman, J (2017). *Enhancing memory with the Method of Loci using virtual memory palaces*. Oral presentation at UCSD Psi Chi Undergraduate Research Conference, San Diego, CA, and poster presented at UCLA Undergraduate Research Week, Los Angeles, CA.
5. **Essoe, JK-Y**, *Reggente, N, †*Baek, YH, †*Ohno, AA, †*Mehta, P, *Vuong, A, & Rissman, J (2017). *Long-term retention of vocabulary in two phonetically similar foreign languages is aided when learning occurs in highly distinctive virtual reality environments*. Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco, CA.
6. (2) †*Ohno, AA, †*Baek, HY, †*Mehta, PS, *Yu Villa, J, Hughes, GM, †*Ekanayake, R, †*Sanchez-Prak, A, *Vuong, A, Shiboski, H, *Reggente, N, **Essoe, JK-Y**, Rissman, J (2016). *Does Presence/Immersion Confer an Advantage in Learning in Virtual Reality?* Poster presented at Stanford Undergraduate Psychology Conference, Stanford, CA, and at the UCLA Undergraduate Research Week, Los Angeles, CA.
7. *Reggente, N, **Essoe, JK-Y**, †*Mehta, P, †*Ohno, A, Rissman, J (2016) *The Method of Loci revisited: Memory enhancement by way of virtually augmented memory palaces*. Poster presented at the International Conference on Memory, Budapest, Hungary.

Posters (cont.)

8. **Essoe, JK-Y**, *Reggente, N, †***Ohno, AA**, †***Mehta, PS**, †***Baek, YJ**, ***Yu Villa, J**, **Hughes, GM**, †***Frostig, D**, †***Song, X**, Rissman, J. (2016). *Distinctive virtual reality environments provide contextual support to mitigate interference during the learning of two highly similar languages*. Poster presented at the Cognitive Neuroscience Society annual meeting, New York, NY.
9. *Reggente, N, **Essoe, JK-Y**, & Rissman, J (2016). *Mapping neural representations of heading direction and environmental context during imagined navigation of learned virtual environments*. Poster presented at the Cognitive Neuroscience Society annual meeting, New York.
10. *Reggente, N, **Essoe, JK-Y**, †Jevtic, I, & Rissman, J (2015). *Decoding the contents of perceived and imagined navigation through virtual reality environments*. Poster presented at the Organization for Human Brain Mapping annual conference, Honolulu, HI.
11. †***Frostig, E**, **Essoe, JK-Y**, & Rissman, J (2015). *Learning foreign vocabulary in virtual reality: Does multilingualism confer an advantage?* Poster presented at the Stanford Undergraduate Psychology Conference, Stanford, CA.
12. †***Ohno, A**, †***Niño, C**, †**Hunter, K**, †***Mehta, P**, †***Baek, HY**, **Essoe, JK-Y**, Jevtić, I, Reggente, N, & Rissman, J (2015). *The Method of Loci revisited: Memory enhancement by way of virtually augmented memory palaces*. Poster to be presented at UCLA's Psychology Undergraduate Research Conference.
13. (3) ***Lin, D**, **Essoe, JK-Y**, ***Tran, J**, †***Zhou, J**, **Mutter, J**, †***Frostig, D**, **Yang, J**, Reggente, N, & Rissman, J (2014). *The effects of sleep quality on virtual reality learning and overnight forgetting*. Poster presented at three conferences: UCLA 23rd Annual Psychology Undergraduate Research Conference, UCLA Powell Undergraduate Research Week, and UCLA Science Poster Day, Los Angeles, CA.
14. **Essoe, JK-Y**, †**Rolle, C**, **Samaha, J**, †**Bowen, K**, Anguera, JA, & Gazzaley, A (2013). *Age-related differences in multitasking under working memory load*. Poster presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.
15. **Essoe, JK-Y**, †**Ramage, EM**, & Geisler, MW (2008). *The effects of sleep quality on visual event-related potentials in response to increasing emotional intensity of angry facial stimuli in healthy adults*. Poster presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.
16. †**Ramage, EM**, **Essoe, JK-Y**, & Geisler, MW (2008). *Event-related potentials in response to emotional facial stimuli at threshold perception*. Poster presented at Cognitive Neuroscience Society annual meeting, San Francisco, CA.
17. †**Ramage, EM**, **Essoe, JK-Y**, & Geisler, MW (2007). *Event-related potentials in response to increasing emotional intensity of angry facial stimuli*. Poster presented at the Society for Neuroscience annual meeting, San Diego, CA.
18. †**Ramage, EM**, **Essoe, JK-Y**, **Parks, A**, †**Lloyd, K**, †**Hunt, K**, & Geisler, MW (2006). *Olfactory event-related potentials to near threshold stimuli in healthy adults*. Poster presented at the Association for Chemoreception Sciences annual meeting, Sarasota, FL.
19. **Essoe, JK-Y**, †**Ramage, EM**, **Parks, A**, †**Lloyd, K**, †**Hunt, K**, & Geisler, MW (2006). *The effects of sleep quality on olfactory event-related potentials in healthy adults*. Poster presented at the Association for Chemoreception Sciences annual meeting, Sarasota, FL.
20. †**Ramage, EM**, **Essoe, JK-Y**, **Parks, A**, †***Firoozabadi, R**, †**Lloyd, K**, †**Hunt, K**, & Geisler, MW (2005). *Physiological processing of olfactory sensitivity*. Poster presented at the Graduate Student Conference, San Francisco State University, CA.

Posters (Cont.)

21. †**Brubaker, AS**, **Lau, JK-Y**, ***San Miguel, M**, Geisler, MW. (2004). *Frontal midline theta activity as a quantitative indicator of anxiety relief associated with Animal-Assisted Therapy*. Poster presented at the International Association of Human-Animal Interaction Organizations triennial conference, Glasgow, Scotland.
22. †**Brubaker, AS**, **Lau, JK-Y**, Geisler, MW (2004). *Frontal midline theta activity as an index of the efficacy of Animal-Assisted Therapy in cases of math anxiety*. Poster presented at the International Organization of Psychophysiology 12th World Congress, Porto Carras, Greece.
23. †**Thomas, AM**, **Lau, JK-Y**, Geisler, MW (2004). *Effects of tension headaches on long-term memory*. Poster presented at Stanford Undergraduate Psychology Conference, Stanford, CA.
24. †**Brubaker, AS**, **Lau, JK-Y**, †**Thomas, AM**, Geisler, MW (2004). *Electroencephalographic measures of anxiety and depression: the effects of positive human-animal interaction during a cognitive stressor task*. Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco, CA.
25. †**Brubaker, AS**, **Lau, JK-Y**, **Schaeffer, J**, Geisler, MW (2003). *Psychophysiological effects of positive human-animal interaction*. Poster presented at the International Society for Anthrozoology annual meeting, Canton, OH.

Community Services

1. No One Dies Alone (NODA, 2021-present)
NODA helps to provide a dignified death to individuals who have no family or close friends to be with them at the end of life, in the Johns Hopkins Health System.
2021 – pres **Volunteer**
 - Give the gift of presence at the end of life.
2. Jesus Our Redeemer Church (2019-present)
2019 – pres **Musician** (vocal).
2019 – pres **Teacher**
 - Develop original small groups studies for adults
 - Lead classes for elementary school age children.
3. GEM: Gospel, Education, Mentoring (2018-2021)
GEM is an inner-city program for underserved youth in East Baltimore. It provides counselling, tutoring, and serves a weekly dinner to participating youth.
2018 – 2021 **Counsellor and Teacher.**
 - Develop educational activities and games for elementary age students.
4. University Bible Church, Westwood, Los Angeles, California (2012-2018)
2015 – 2018 **Musician** (vocal, electric guitar).
2013 – 2018 **Counsellor and Teacher.**
 - Develop original studies for the books of Hebrews, Ephesians, and 1 Peter.
2013 – 2016 **Sound and Visual Arts Technician.**
5. Psychology in Action, UCLA, Los Angeles, California (2012-Present)
A non-profit UCLA graduate student group that communicates psychology research to the general public.
2016 – pres **Advisory Board Member.**
2014 – 2016 **President.**
 - Coordinate web log (blog), community outreach, and annual symposium.
 - During my presidency, blog readership grew from 9,700 to 25,700 monthly views.
2013 – 2014 **Web Publication Division Leader.**
 - Coordinate authors and blog posts, moderate reader comments.
 - Improved and maintained web presence. Website design and maintenance.
2012 – 2018 **Blog Author.**
6. Volunteer Services at Other Organisations
2010 – 2012 **Committee Member. YoungLives, Concord, CA** (A non-profit for teenage mothers).
 - Provide safe spiritual and practical assistance to parenting teenage girls from the underserved social-economic sectors, many are survivors of abuse.
 - Offer hot meals, companionship, mentorship, and academic advice to those who sought university education despite adversities.
2007 – 2012 **Teacher. Edgewater Covenant Church, Pittsburg, CA.**
 - Teach theologically sound and age-appropriate classes for children (8-12y).
2001 – 2012 **Canine Behaviour Consultant. Atlantis Dog Training, SF Bay Area, CA.**
 - Dog training education (simultaneous shaping and positive reinforcement).
 - Volunteered assessment newly arrived animals and potential adoptive homes for a non-profit.
 - Paid service was discontinued in 2003, but continued in volunteer consultation for foster families, new adopters, rescue groups, and those in financial needs.
2009 **Columnist (Pen-name 子遙), Herald Monthly** (a non-profit newspaper)
 - Four-part series (in Chinese) for immigrant parents: communication with American-born/-raised children, interracial marriages, adjustments, and resources.
2009 **Internship. Oakland Zoo, Oakland, CA.**
 - Assisted in the care and training of the animals, including giraffes, spotted hyenas, common eland, Dama gazelle, Egyptian geese, griffon vultures, and warthogs.