**CURRICULUM VITAE**

**Jacky Au**

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**RESEARCH INTERESTS**

Research interests include exploring the nature and plasticity of executive functions, using tools such as tDCS and EEG. Emphasis is on cognitive training to create sustainable improvements in domains such as reasoning, learning, and affective regulation.

**EDUCATION**

University of California, Irvine

* Ph.D – Psychology
	+ Expected 2019
* M.S. – Cognitive Neuroscience
	+ Expected 2016

University of California, Davis – Graduated June 2007

* B.S. Neurobiology, Physiology, & Behavior
* B.A. Psychology

**FELLOWSHIPS**

2014-2019 National Science Foundation, Graduate Research Fellowship Program

**HONORS AND AWARDS**

2014 Early Career Award Finalist for poster competition at the Psychonomic Society’s 55th Annual Meeting, Long Beach, CA.

2015 Semi-Finalist at UCI First Annual Grad Slam, UC Irvine, Irvine, CA

**RESEARCH EXPERIENCE**

**National Science Foundation Graduate Research Fellow -** University of California-Irvine, School of Education, Irvine CA; Working Memory and Plasticity Laboratory: advised by Dr. Susanne Jaeggi (10/1/14 – present)

**Research Analyst IV** – MIND Research Institute, Irvine CA; advised by Dr. Martin Buschkuehl (6/15/14 – present)

**Graduate Student Researcher –** University of California-Irvine, School of Education, Irvine CA; Working Memory and Plasticity Laboratory: advised by Dr. Susanne Jaeggi (9/15/13 – 9/30/14)

**Clinical Research Coordinator –** Fragile X Research and Treatment Center, UC Davis MIND Institute, Department of Pediatrics, Sacramento CA; Principal Investigator: Dr. Randi Hagerman (8/1/10 – 9/1/13)

**Junior Specialist** – Fragile X Research and Treatment Center, UC Davis MIND Institute, Department of Pediatrics, Sacramento CA; Principal Investigator: Dr. Randi Hagerman (8/1/08 – 8/1/10)

**Assistant Clinical Research Coordinator –** UC Davis General Medicine Research Center, Department of Internal Medicine, Sacramento CA; Principal Investigator: Dr. John Robbins (9/12/07- 7/31/08)

**Undergraduate Research Assistant -** UCDavis Department of Psychology, Human Memory Lab, Davis CA; Principal Investigator: Dr. Andrew Yonelinas (3/07-6/07)

**PUBLICATIONS AND PRESENTATIONS:**

**Citation Overview (as reported by Google Scholar – 2/26/15):** <http://scholar.google.com/citations?user=BF7b8KMAAAAJ&hl=en&authuser=1>

Total Citations: 237

h-index: 8 (i.e., 8 publications have at least 8 citations)

i10-index: 8 (i.e., 8 publications have at least 10 citations)

**In preparation:**

Tsai, N., Au, J., & Jaeggi, S. (submitted). “Individual Differences in Working Memory and Implications for Second Language Acquisition” in “Cognitive Individual Differences in L2 Processing and Acquisition.”

**Peer-Reviewed Articles:**

Au, J., Berkowitz-Sutherland, L., Schneider, A., Schweitzer, J. B., Hessl, D., & Hagerman, R. (2014). A feasibility trial of Cogmed working memory training in fragile X syndrome. *Journal of Pediatric Genetics*, *3*(3), 147-156.

Au, J., Sheehan, E., Tsai, N., Duncan, G. J., Buschkuehl, M., & Jaeggi, S. M. (2015). Improving fluid intelligence with training on working memory: a meta-analysis. *Psychon Bull Rev, 22*(2), 366-377. doi: 10.3758/s13423-014-0699-x. [IF: 2.25]

Au, J., Akins, R. S., Berkowitz-Sutherland, L., Tang, H., Chen, Y., Boyd, A., Tassone, F., Nguyen, D., & Hagerman, R. (2013). Prevalence and Risk of Migraine Headaches in Adult Fragile X Premutation Carriers. *Clinical Genetics, 84*(6), 546-551. [IF: 4.25]

Chonchaiya, W., Au, J., Schneider, A., Hessl, D., Harris, S. W., Laird, M., Mu, Y., Tassone, F., Nguyen, D. V., & Hagerman, R. J. (2012). Increased prevalence of seizures in boys who were probands with the FMR1 premutation and co-morbid autism spectrum disorder. *Human Genetics, 131*(4), 581-589. [IF: 4.63]

Winarni, T. I., Chonchaiya, W., Au, J., Adams, E., Mu, Y., Nguyen, D. V., Rivera, S., & Hagerman, R. J. (2012). Sertraline May Improve Language Developmental Trajectory in Young Children with Fragile X Syndrome: A Retrospective Chart Review. *Autism Research and Treatment*, vol. 2012, Article ID 104317, 8 pages.

Greco, C. M., Navarro, C. S., Hunsaker, M. R., Maezawa, I., Shuler, J. F., Tassone, F., Delany, M., Au, J. W., Berman, R. F., Jin, L. W., Schumann, C., Hagerman, P. J., & Hagerman, R. J. (2011). Neuropathologic features in the hippocampus and cerebellum of three older men with fragile X syndrome. *Molecular Autism, 2*(1), 2. [IF: 5.78]

Hagerman, R., Au, J., & Hagerman, P. (2011). FMR1 premutation and full mutation molecular mechanisms related to autism. *Journal of Neurodevelopmental Disorders, 3*(3), 211-224. [IF: 3.45]

Chonchaiya, W., Nguyen, D. V., Au, J., Campos, L., Berry-Kravis, E. M., Lohse, K., Mu, Y., Utari, A., Hervey, C., Wang, L., Sorensen, P., Cook, K., Gane, L., Tassone, F., & Hagerman, R. J. (2010). Clinical involvement in daughters of men with fragile X-associated tremor ataxia syndrome. *Clinical Genetics, 78*(1), 38-46. [IF: 4.25]

**Book Chapters:**

Au, J., & Hagerman, R. (2013). Fragile X–Associated Disorders. In D. Pfaff (Ed.), *Neuroscience in the 21st Century* (pp. 2391-2410): Springer New York.

Hagerman, R., Lauterborn, J., Au, J., & Berry-Kravis, E. (2012). Fragile X Syndrome and Targeted Treatment Trials. In R. B. Denman (Ed.), *Modeling Fragile X Syndrome* (Vol. 54, pp. 297-335): Springer Berlin Heidelberg.

Mastergeorge, A. M., Au, J., & Hagerman, R. (2010). Fragile X: A Family of Disorders. In R. Nass & Y. Frank (Eds.), *Cognitive and Behavioral Abnormalities of Pediatric Diseases* (pp. 170-187). New York: Oxford University Press, Inc.

**Conference Presentations:**

Phung, C., Deveau, J., Jaeggi, S., Buschkuehl, M., Au, J., Seitz, A., & Zordan, V. (2015, May 5th). *Applying Game Design in Cognitive Training for Working Memory.* Poster session presented at the Entertainment Software and Cognitive Neurotherapeutics Society 3, San Francisco, CA.

Au, J., (2015, April 1st). *Building Better Brains with Transcranial Direct Current Stimulation*. Talk presented at the 2015 UC Irvine Grad Slam, UC Irvine, Irvine, CA.

Au, J., Buschkuehl, M., Small, S., Duncan, S., Quintanilla, J., Arakelian, C., Bunarjo, K., Jaeggi, S. (2015, March 6th). *Enhancing Working Memory Training with Concurrent Transcranial Direct Current Stimulation*. Talk presented at the 2015 Associated Graduate Students Research Symposium, UC Irvine, Irvine, CA.

Au, J., Sheehan, E., Tsai, N., Duncan, G., Buschkuehl, M., & Jaeggi, S. (2014, Nov 20th–Nov 23rd). *Improving Fluid Intelligence with Training on Working Memory: A Meta-Analysis.* Poster session presented at the Psychonomic Society’s 55th Annual Meeting, Long Beach, CA.

Au, J., Schneider, A., Berkowitz-Sutherland, L., Hessl, D., Hagerman, R., & Schweitzer, J. B. (2012, July 25-29). *Evaluation of Cogmed Working Memory Training in Fragile X Syndrome.* Poster Session presented at the 13th International Fragile X Conference, Miami, FL.

Au, J., Chonchaiya, W., Laird, M., Schneider, A., Harris, S., Gane, L., . . . Hagerman, R. (2010, July 21- 25). *Clinical Involvement in Young Male Individuals with the Fragile X Premutation.* Paper presented at the 12th International Fragile X Conference, Detroit, MI.

**PROFESSIONAL SERVICE:**

**Ad-hoc reviewer for:**

* Frontiers in Human Neuroscience
* Frontiers in Psychology
* Psychological Science
* Psychological Bulletin
* Journal of Cognitive Psychology
* Perspectives on Psychological Science

**TEACHING EXPERIENCE:**

**University of Califronia, Irvine**

“Intelligence,” Guest lecture in course EDUC 173, Cognition and Learning in Educational Settings – Winter, 2015

“Working Memory and Attention,” Guest lecture in course EDUC 173, Cognition and Learning in Educational Settings – Spring, 2014; Fall, 2014

Seminar leader in course EDUC 198, CRCL & WMP Lab Undergraduate Directed Research – Winter, 2014