

DIANA SELMECZY
Curriculum Vitae

CONTACT INFORMATION

Diana Selmeczy
University of California, Davis
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POSITIONS HELD

Postdoctoral Scholar, University of California, Davis Advisor: Dr. Simona Ghetti	2015-current
Graduate Student, Washington University in St. Louis Advisor: Dr. Ian G. Dobbins	2009-2014
Junior Specialist, UC Davis, Neurocognitive Development Lab Supervisor: Dr. Susan Rivera	2008- 2009

EDUCATION

Ph.D., Psychology, Washington University St. Louis, MO Chair: Dr. Ian Dobbins	December 2014
M.A., Psychology, Washington University in St. Louis, MO Chair: Dr. Ian Dobbins	December 2011
B.S., Psychology, University of California, Davis Minor: Biological Sciences	December 2008

FUNDING

Ruth L. Kirschstein National Research Service Award (NRSA) NICHD: <i>Developmental Investigation of Adaptive Memory Biases</i> . (PI). 1F32HD084313-01A1. (\$160,000)	2015-2018
Washington University Dissertation Fellowship (\$19,000)	2014
Washington University Dissertation Travel Award (\$1,000)	2014
Fellowship from NSF Integrative Graduate Education and Research Training: Cognitive, Computational, and Systems Neuroscience Award (\$60,000)	2010-2012

Updated: October 2018

Washington University Travel Award (\$400 each)	2011, 2013
Washington University Fellowship (\$19,000)	2009-2010

PUBLICATIONS

Peer-reviewed Journal Articles

Selmezy, D., Fandakova, Y., Grimm, K. J., Bunge, S. A., & Ghetti, S. (2018). Longitudinal Trajectories of Hippocampal and Prefrontal Contributions to Episodic Retrieval: Effects of Age and Puberty. *Developmental Cognitive Neuroscience*. <https://doi.org/10.1016/j.dcn.2018.10.003> (in press).

Selmezy, D., & Ghetti, S. (2019). Here is a hint! How children integrate reliable recommendations in their memory decisions. *Journal of Experimental Child Psychology*, *177*, 222–239. <http://doi.org/10.1016/j.jecp.2018.08.004>

Fandakova, Y., **Selmezy, D.**, Leckey, S., Grimm, K. J., Wendelken, C., Bunge, S. A., & Ghetti, S. (2017). Changes in ventromedial prefrontal and insular cortex support the development of metamemory from childhood into adolescence. *Proceedings of the National Academy of Sciences*, *13*, 201703079. <http://doi.org/10.1073/pnas.1703079114>

Selmezy, D., & Dobbins, I. G. (2017). Ignoring memory hints: The stubborn influence of environmental cues on recognition memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *43*(9), 1448–1469. <http://doi.org/10.1037/xlm0000383>

Konkel, A.*, **Selmezy, D.**,* & Dobbins, I. G. (2015). They can take a hint: Older adults effectively integrate memory cues during recognition. *Psychology and Aging*, *30*(4), 781–794. <http://doi.org/10.1037/pag0000058>

***joint first authorship**

Bugg, J. M., Diede, N. T., Cohen-Shikora, E. R., & **Selmezy, D.** (2015). Expectations and experience: Dissociable bases for cognitive control? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*(5), 1349–1373. <http://doi.org/10.1037/xlm0000106>

Selmezy, D., & Dobbins, I. G. (2014). Relating the content and confidence of recognition judgments. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*(1), 66–85. doi:10.1037/a0034059

Selmezy, D., Dobbins, I. G. (2013) Metacognitive awareness and adaptive recognition biases. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *39*(3), 678–690. doi: 10.1037/a0029469

Jaeger, A., **Selmezy, D.**, O'Connor, A. R., Diaz, M. D., Dobbins, I. G. (2012) Differential fronto-parietal recruitment during controlled memory judgment in adolescents and young adults. *Neuropsychologia*, *50*(14), 3745–3756. doi: 10.1016/j.neuropsychologia.2012.10.022

Jaeger, A., Lauris, P., **Selmezy, D.**, & Dobbins, I. G. (2011). The costs and benefits of memory conformity. *Memory & Cognition*, 40(1), 101–112. doi:10.3758/s13421-011-0130-z

Selmezy, D., Koldewyn, K., Wang, J. M., Lee, A., Harvey, D., Hessel, D. R., Tassone, F., et al. (2011). Investigation of amygdala volume in men with the fragile X premutation. *Brain Imaging and Behavior*, 5(4), 285–294. doi:10.1007/s11682-011-9132-5

Chapters

Selmezy, D., & Ghetti (in press). Metacognitive Development. *The Encyclopedia of Child and Adolescent Development*.

Ghetti, S., & **Selmezy, D.**, (2018). Metacognition. *The SAGE Encyclopedia of Lifespan Human Development*. Marc H. Bornstein. New York: Sage.

Journal Articles under Review

Selmezy, D., Hembacher, E., Kazemi, A., & Ghetti, S. (2018). “Treasure” or “Trash”? The role of subjective recollection in children and adults’ decision-making. (under review).

Leckey, S., **Selmezy, D.**, Hembacher, E., Kazemi, A., & Ghetti, S. (2018). Response latencies and eye movements as uncertainty signals in toddlers’ decisions. (under review).

Journal Articles in Preparation

Selmezy, D., Kazemi, A., & Ghetti, S. (2018). The role of metamemory in children’s help-seeking. (in preparation).

Selmezy, D., Ghetti, S., Zheng, L., Porter, T., & Trzesniewski, K. (2018). The development of children’s learning strategies and beliefs in the classroom. (in preparation)

PRESENTATIONS

Chaired Symposium

Selmezy, D., & Roebbers, C. Psychology meets education: How children gain from self-regulated learning. Society for Research in Child Development. (submitted symposium for March, 2019). Baltimore, MD.

Talks

Selmezy, D., Kazemi, A., & Ghetti. “Should I use your hint?” How children integrate hints into their memory decisions. Society for Research in Child Development. (submitted paper for March, 2019). Baltimore, MD.

Selmezy, D., A developmental perspective on memory and decision-making: The role of metacognition. American University Colloquium. (January, 2018). Washington, D.C.

Fandakova, Y., **Selmezy, D.**, Bunge, S. A., & Ghetti, S., Cortical development and metacognitive monitoring in the transition to adolescence. Society for Research and Child Development Biennial Meeting. (April, 2017). Austin, TX

Selmezy, D., & Ghetti, S., The development of memory and decision-making. International Conference of Memory. (July, 2016). Budapest, Hungary

Selmezy, D., Ignoring external cues in recognition memory. Department Brain, Behavior, and Cognition Colloquium. (October, 2012). St. Louis, MO

Poster Presentations

Selmezy, D., Ghetti, S., Zheng, L., Porter, T., & Trzesniewski, K. Seeking help and seeking challenge: The development of learning strategies during childhood and adolescence. Society for Research in Child Development. (submitted abstract for March, 2019). Baltimore, MD

Selmezy, D., Hembacher, E., Johal, S. & Ghetti, S., “Treasure This, Trash That”: How subjective recollection guides memory decisions. Psychonomics. (November, 2017). Vancouver, BC, Canada

Selmezy, D., Hembacher, E. & Ghetti, S., How subjective experience guides children’s memory decisions beyond memory accuracy. Cognitive Development Society. (October, 2017). Portland, OR

Selmezy, D., & Ghetti, S., The development of recognition decision biases. Psychonomics. (November, 2016). Boston, MA

Cha, J., **Selmezy, D.**, & Dobbins, I.G., Ignoring environmental influences during recognition memory judgment. Cognitive Neuroscience Society. (March, 2015). San Francisco, CA

Selmezy, D., & Dobbins, I.G., The unintentional influence of external cues during recognition. Psychonomics. (November, 2014). Long Beach, CA

Cohen-Shikora, E.R., **Selmezy, D.**, & Bugg, J.M., Isolating the role of expectations in modulations of Stroop interference. (November, 2014). Long Beach, CA

Konkel, A., **Selmezy, D.**, & Dobbins, I.G., The effect of age on incorporating external information with memory. Psychonomics. (November, 2013). Toronto, Ontario, Canada

Selmezy, D., & Dobbins, I.G., Controlled and uncontrolled cue influence during recognition memory. Association for Psychological Science. (May, 2013). Washington, D.C.

Selmezy, D., & Dobbins, I.G., A simple linguistics analysis of justifications of recognition reports. Psychonomics. (November, 2011). Seattle, WA

Selmezy, D., & Dobbins, I.G., Taking memory advice: Incorporating external cues into recognition judgments. Midwestern Psychological Association. (May, 2011). Chicago, IL

Wang, J.M., Koldewyn, L., Hessel, D., **Selmeczy, D.**, Fragile X Mental Retardation-1 Gene mRNA as a predictor for amygdala volume in Fragile X Premutation men. Cognitive Neuroscience Conference. (March, 2008). San Francisco, CA

Mentored Undergraduate Student Poster Presentations

Loomis, M., **Selmeczy, D.**, & Ghetti, S., Developmental differences in asking for help and the role of metamemory. University of California, ASPIRE Symposium. (June, 2018). Davis, Ca

Johal, S., **Selmeczy, D.**, & Ghetti, S., “Treasure or Trash?”: The role of subjective evaluations in memory decisions. University of California, Undergraduate Research Symposium. (April, 2018). Davis, Ca

Jani, K., **Selmeczy, D.**, & Ghetti, S., Metamemory development: How well children integrate helpful hints into their decision-making. University of California, Undergraduate Research Symposium. (April, 2018). Davis, Ca

Rader, B., **Selmeczy, D.**, & Dobbins, I.G., Ignoring external information during recognition memory judgments. Washington University in St. Louis Mind, Brain, and Behavior Research Symposium. (May, 2012). St. Louis, MO

AD HOC REVIEWER

Cognition; Cognitive Development; Developmental Psychology; Journal of Experimental Psychology: Learning, Memory, and Cognition

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

Psychonomic Society, Association for Psychological Science, Cognitive Development Society, Society for Research in Child Development

TEACHING AND MENTORING EXPERIENCE

Programs

Co-Director, Accelerating Success by Providing Intensive Research Experience (ASPIRE) Undergraduate Program, University of California, Davis
<http://socialscience.ucdavis.edu/aspire> 2016-2018

Instructor

Research Methods in Psychology Fall, 2018
Introduction to Psychology Seminar (2 Sections, co-instructor) Fall, 2014
Introductory Psychological Statistics Summer 2013

Teaching Assistant

Cognitive Psychology, Dr. Jeff Zacks, Washington University in St. Louis	Fall 2013
Quantitative Methods II, Dr. Josh Jackson, Washington University in St. Louis	Spring 2013
Quantitative Methods I, Dr. Josh Jackson, Washington University in St. Louis	Fall 2012

Guest Lecturer

<i>Attention</i> , Cognitive Psychology, Prof. Jeff Zacks, Washington University in St. Louis	Fall 2013
<i>Memory</i> , Cognitive Psychology, Prof. Jeff Zacks, Washington University in St. Louis	Fall 2013
<i>Diagnostics and Outliers</i> , Quantitative Methods II, Prof. Josh Jackson, Washington University in St. Louis	Spring 2013
<i>Hypothesis Testing</i> , Quantitative Methods I, Prof. Josh Jackson, Washington University in St. Louis	Fall 2012

Mentoring

Undergraduate Students Mentored:	2011-current
Benjamin Rader, David Grybinas, Jenna Carter, Meghan Arthur, Leila Nomani, Sarah Kelmenson, Rebecca Pople, Trisha Nguyen, Khusboo Jani, Simran Johal, Felicia Tomitsa, Lyubov Daydov, Melissa Loomis, Jacqueline Davila, Vi Nguyen, Zainab Salman, Mariana Almanza-Soto	

Teaching Development

Teaching Citation	2010- 2014
Intensive training program that required three diverse teaching experiences, extensive student and faculty evaluations of teaching, and several teaching related workshops	
Practicum in Teaching Psychology	Summer 2011