**Silvia A. Bunge, Ph.D.**

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**Education**

1996 – 2001 Ph.D. in Neuroscience, Stanford University

1992 – 1996 B.S. Intensive in Biology (Psychobiology track), Yale College

1990 – 1992 Diploma of Collegiate Studies: Health Sciences & Pure and Applied

 Sciences, Collège Jean-de-Brébeuf, Montreal

**Positions and Employment**

*Employment*

2014 – Professor, Psychology & Helen Wills Neuroscience Institute, UC Berkeley

2007 – 2014 Assistant Prof (2007-2009); Associate Prof (2009-2014), UC Berkeley

2003 – 2006 Assistant Professor, Dept. of Psychology & Center for Mind and Brain

 University of California at Davis

2001-2003 Postdoctoral Associate, Department of Brain and Cognitive Sciences

 Massachusetts Institute of Technology

*Positions*

2023 – 2024 Academic Senate Climate Change Task Force

2023 – 2024 Elected member, Divisional Council of Academic Senate (DIVCO), UCB

2023 – 2024 Chair, Futures Committee, Department of Psychology, UCB

2021 – 2024 Helen Wills Neuroscience Institute Advisory Committee

2021 – Helen Wills Neuroscience Institute Graduate Program Steering

 Committee, UCB

2009-14; 18 – Executive Committee, Helen Wills Neuroscience Institute, UC Berkeley

2018 – 2019 Interim Co-Director, Institute of Cognitive and Brain Sciences, UCB

2017 – 2019 Developmental Area Head, Dept of Psychology, UCB

2016 – 2019 Futures Committee, Department of Psychology, UCB

2011 – 2013 Co-Vice Chair, Department of Psychology, UCB

**Awards, Honors, and Research Fellowships**

2024 – 2029 Jacobs Foundation Creating Impact Science Program (CRISP) fellowship

2018 – 23 Elected Fellow of the Association for Psychological Science

2016 Elected to Society of Experimental Psychologists

2015 Jacobs Foundation Advanced Career Research Fellowship

2015 Alexander von Humboldt Research Award (100 scholars in any field)

2013 Elected to International Mind, Brain, and Education Society Board of Directors

2012 Presidential Chair Fellow, Center for Teaching and Learning, UC Berkeley

2011 James S. McDonnell Foundation 21st Century Science Initiative, Scholar

Award in Understanding Human Cognition *(*15 cognitive scientists worldwide)

2011 – 18 National Scientific Council on the Developing Child member (11 members)

2010 – 16 1st Innovation By Design team in Frontiers of Innovation: Building

 Caregiver Capacities, developing interventions in Washington State.

2010 Finalist, Aspen Brain Forum Award in NeuroEducation

2007 – 10 MacArthur Law and Neuroscience Consortium

2007 Young Investigator Award, Cognitive Neuroscience Society

2006 Elected to Memory Disorders Research Society

2004 – 09 John Merck Scholarship in the Biology of Developmental Disabilities

1999 McDonnell Summer Institute in Cognitive Neuroscience Fellowship

1996 – 2001 Baxter Foundation Graduate Fellowship, Stanford Medical School

1996 Distinction in Biology; Graduation with Honors from Yale College

**Publications**

***Textbook***

Bortfeld, H. & **Bunge**, S.A. (2024) Fundamentals of Developmental Cognitive Neuroscience. Cambridge University Press.

***Edited volumes***

**Bunge**, S.A.& Wallis, J. (Eds.) The Neuroscience of Rule-Guided Behavior, Oxford University Press, 2007.

**Bunge**, S.A. & O’Hare E.D. (Eds.) The Developing Human Brain. Frontiers Research Topic. 2012.

***Peer-reviewed empirical papers***

**Cited >22,000 times (h-index = 70; i10-index = 117 (Google Scholar, 10/2023)**

Research Interest Score on ResearchGate is higher than for 99% of members.

130. **Bunge**, S.A. (2024). How should we slice up the executive function pie? Striving towards an ontology of cognitive control processes. *Mind, Brain and Education.* <https://doi.org/10.1111/mbe.12403>

129. Willbrand, E.H., Jackson, S., Chen, S., Hathaway, C.B., Voorhies, W.I., **Bunge**, S.A.\*, & Weiner, K.S.\* (in press) Sulcal variability in anterior lateral prefrontal cortex contributes

to variability in reasoning performance among young adults. *Brain Structure and Function*

<https://www.biorxiv.org/content/10.1101/2023.02.10.528061v2>

\*joint senior authors

128. Willbrand, E.H., **Bunge**, S.A.\*, & Weiner, K.S.\* (2023) Neuroanatomical and functional dissociations between variably present anterior lateral prefrontal sulci. *Journal of Cognitive Neuroscience* Sep 1:1-22. doi: 10.1162/jocn\_a\_02049. Online ahead of print.

\*joint senior authors

127. Younger, J.W., O'Laughlin, K.D., Anguera, J.A., **Bunge**, S.A., Ferrer, E., Hoeft, F., McCandliss, B.D., Mishra, J., Rosenberg-Lee, M., Gazzaley, A., & Uncapher, M.R. (2023) More alike than different: Novel methods for measuring and modeling executive function development. *Frontiers in Human Neuroscience* Jul 24;17:1195013. doi: 10.3389/fnhum.2023.1195013

126. Leib, E., Starr, A., Younger, J., Project iLead Consortium, **Bunge**, S.A., Uncapher, M., & Rosenberg-Lee, M. (2023) Testing the whole number bias hypothesis: contributions of inhibitory control and whole number knowledge to fraction understanding. *Developmental Psychology*. May 11. doi: 10.1037/dev0001557.

125. Laurence, P.G., Jana, T.A., **Bunge**, S.A., & Macedo, E.C. (2023) Eye gaze patterns during reasoning provide insights regarding individual differences in underlying cognitive abilities. *Journal of Intelligence.* Apr 20;11(4):75. doi: 10.3390/jintelligence11040075.

124. Schilling, K.G., Archer, D., Rheault, F., Lyu, I., Huo, Y., Cai, L.Y., **Bunge**, S.A., Weiner, K.S., Gore, J.C., Anderson, A.W., Landman, B.A. (2023). Superficial white matter across development, young adulthood, and aging: volume, thickness, and relationship with cortical features. *Brain Structure and Function.* May;228(3-4):1019-1031. doi: 10.1007/s00429-023-02642-x. Epub 2023 Apr 19.

123. Galeano Weber, E.M., Pakzdad, S., Brod, G., & Bunge, S.A. (2023). Examining the role of attentional allocation in working memory precision with pupillometry in children and adults. *Journal of Child Experimental Psychology*

doi: 10.1016/j.jecp.2023.105655. Epub 2023 Feb 28.

122. Schwarze, S.A., Laube, C., Khosravani, N., Lindenberger, U., **Bunge**, S.A., & Fandakova, Y. (2023) Does prefrontal connectivity during task switching help or hinder children’s performance? *Developmental Cognitive Neuroscience.* Feb 15;60:101217.

doi: 10.1016/j.dcn.2023.101217

121. Willbrand, E., Yao, J., Voorhies, W., **Bunge**, S.A.\*, & Weiner, K.S.\* (2023) Development of human lateral prefrontal sulcal morphology and its relation to reasoning performance. *Journal of Neuroscience.* Feb 24;JN-RM-1745-22.

doi: 10.1523/JNEUROSCI.1745-22.2023.

\*joint senior authors

120. Ichien, N., Alfred, K.L., Baia, S., Kraemer, D.J.M., Holyoak, K.J., **Bunge**, S.A., & Lu, H. (2023) Relational and Lexical Similarity in Analogical Reasoning and Recognition Memory Behavioral Evidence and Computational Evaluation. *Cognitive Psychology* 141 (2023) 101550. https://doi.org/10.1016/j.cogpsych.2023.101550

119. Willbrand\*, E., Voorhies\*, W., Yao, J., Weiner, K.\*, & **Bunge**, S.A.\* (2022) Presence or absence of a prefrontal sulcus is linked to reasoning performance during child development. *Brain Structure and Function.* Sep;227(7):2543-2551. doi: 10.1007/s00429-022-02539-1.

\*joint first/senior authors

118. Mauer, E., Uchikoshi, Y., **Bunge**, S.A., Zhou, Q. (2022). Longitudinal relations between self-regulatory skills and mathematics achievement in early elementary school children from Chinese American immigrant families. *Journal of Experimental Child Psychology*, 227:105601. doi: 10.1016/j.jecp.2022.105601

117. Starr, A., Leib, E., Younger, J., NSF Science of Learning Consortium, Uncapher, M., & **Bunge**, S.A. (2022). Relational thinking: An overlooked component of executive functioning. May;26(3):e13320. doi: 10.1111/desc.13320. Epub 2022 Sep 6.

116. Willbrand, E.H., Parker, B.J., Voorhies, W.I., Miller, J.A., Lyu, I., Hallock, T., Aponik-Gremillion, L., Alzheimer’s Disease Neuroimaging Initiative, **Bunge**, S.A., Foster, B.L., & Weiner, K.S. (2022). A new tripartite landmark in human posterior cingulate cortex. *Science Advances,* Sep 9;8(36):eabn9516. doi: 10.1126/sciadv.abn9516.

115. Yao, J.K., Voorhies, W.I., Miller, J.A., **Bunge**, S.A.\*, & Weiner, K.S.\* (2022) Sulcal depth in prefrontal cortex: A novel predictor of working memory performance. *Cerebral Cortex.* https://doi.org/10.1093/cercor/bhac173

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114. Ichien, N., Alfred, K., Baia, S., Kraemer, D., **Bunge**, S.A., Lu, H., & Holyoak, K. (2022) Relation Representations in Analogical Reasoning and Recognition Memory. *Cognitive Science Society Proceedings.*

113. Estrada, E., **Bunge**, S.A., and Ferrer, E. (2021) Controlling for cohort effects in accelerated longitudinal designs using continuous- and discrete-time dynamic models. *Psychol Methods.* doi: 10.1037/met0000427

112. Ellwood-Lowe, M.E., Irving, C., & **Bunge**, S.A. (2022). Exploring neural correlates of behavioral and academic resilience among children in poverty. *Developmental Cognitive Neuroscience.* 54:101090. doi: 10.1016/j.dcn.2022.101090.

111. Ellwood-Lowe, M.E., Whitfield-Gabrieli, S., & **Bunge**, S.A. (2021). What is an adaptive pattern of brain activity for a child? It depends on their environment. *Nature Communications.* (2021) 12:7183 | https://doi.org/10.1038/s41467-021-27336-y

Press release: https://news.berkeley.edu/2021/12/10/low-income-kids-use-different-brain-function-to-ace-achievement-tests/

*Among the 25 most downloaded Nature Communications articles of 2021 in the category of Social Sciences and Human Behaviour: https://www.nature.com/collections/ccjddcabab*

110. Voorhies, W.I., Miller, J.A., Yao, J.A., **Bunge**, S.A.\*, & Weiner, K.S.\* (2021) Cognitive insights from evolutionarily new brain structures in prefrontal cortex. *Nature Communications*, 12(1):5122. doi: 10.1038/s41467-021-25162-w

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Press release: <https://neuroscience.berkeley.edu/overlooked-folds-in-the-brain-are-related-to-the-development-of-reasoning-skills/>

109. Batra, R., **Bunge**, S.A., & Ferrer, E. (2021) Modeling Retest Effects in Developmental Processes - A Latent Change Score Modeling Approach. *Structural Equation Modeling.*

108. Haft, S.L., **Bunge**, S.A., Uchikoshi, Y., & Zhou, Q. (2021) Home Literacy Environment and Executive Functions in Chinese American and Mexican American Preschoolers in Head Start. *Early Education and Development*.

107. Lyu, I., Bao, S., Hao, L., Yao, J., Miller, J., Voorhies, W., Taylor, W., **Bunge**, S., Weiner, K., Landman, B. (2021). Labeling Lateral Prefrontal Sulci using Spherical Data Augmentation and Context-aware Training, *NeuroImage*. Apr 1;229:117758. doi: 10.1016/j.neuroimage.2021.117758. PMID: 33497773.

106. Starr, A., Srinivasan, M., & **Bunge**, S.A. (2020). Semantic knowledge influences visual working memory in adults and children. *PLoS One.* Nov 11;15(11):e0241110. doi: 10.1371/journal.pone.0241110. PMID: 33175852; PMCID: PMC7657485.

105. Wang, W.-C., Hsieh, F., Swamy, G., & **Bunge**, S.A. (2021) Transient neural activation of abstract relations on an incidental analogy task**.** *Journal of Cognitive Neuroscience.* Jan;33(1):77-88. doi: 10.1162/jocn\_a\_01622. PMID: 32812826.

104. Hao, L. et al. (2020) Automatic labeling of cortical sulci using spherical convolutional neural networks in a developmental cohort. *Proc IEEE Int Symp Biomed Imaging.*

103. Gruber, Mendle, et al. [One of 70 co-authors] (2020) The Future of Women in Psychological Science. *Perspect Psychol Sci*. 2020 Sep 9:1745691620952789. doi: 10.1177/1745691620952789. Epub ahead of print. PMID: 32901575.

102. Galeano Weber, E., Klegowits, H., Fisher, A., & **Bunge**, S.A. (2020) Insights into visual working memory precision at the feature- and object-levels from a hemispheric encoding manipulation. *Quarterly Journal of Experimental Psychology*

101. **Bunge**, S.A., and Leib, E. (2020) How does education hone reasoning ability? *Current Directions in Psychological Science.*

100. Whitfield-Gabrieli S., Wendelken C., Cutting L., **Bunge** S.A.  (2020) Intrinsic Brain Architecture Predicts Future Attentional and Mood Problems in a Normative Pediatric Sample. *JAMA Psychiatry.* doi:10.1001/jamapsychiatry.2019.4208.

Press release: <https://news.berkeley.edu/2020/01/03/brain-scans-childrens-mental-health/>

99. Lee, J.K., Fandakova, Y., Johnson, E.G., Cohen, N.J., **Bunge**, S.A., Ghetti S. (2020)

Changes in anterior and posterior hippocampus differentially predict item-space, item-time, and item-item memory improvement. *Developmental Cognitive Neuroscience.*

98. Brod, G., Breitwieser, J., Hasselhorn, M., & **Bunge**, S.A. (2019). Being proven wrong only elicits learning among children with higher executive function skills. *Developmental Science.* DOI: 10.1111/desc.12916.

97. Miller Singley, A.T., Crawford, J.L., & **Bunge**, S.A. (2020) Using Eye Tracking to Probe Developmental and Skill-based Differences in Fraction Magnitude Evaluation. *Journal of Numerical Cognition.* Vol. 6(1), 83–107, https://doi.org/10.5964/jnc.v6i1.119

96. Mota, N., Callipo, R., Leite L., Torres, A., Weissheimer, J., **Bunge** S.A., Copelli, M., & Ribeiro, S. (2019). Speech organization during literacy acquisition predicts reading fluency and verbal short-term memory performance. *Mind, Brain and Education.* Published July 1, 2019. <https://doi.org/10.1111/mbe.12208>

95. Fandakova, Y., Leckey, S., Driver, C.C., **Bunge**, S.A., & Ghetti, S. (2019) Neural specificity of scene representations is related to memory performance in childhood. *Neuroimage. 99:105-113*

94. Eckstein, M., Starr, A., & **Bunge**, S.A. (2019) How the inference of hierarchical rules unfolds over time. *Cognition.* 185:151-162.

93. Williams, A.I., Zhou, Q., Uchikoshi, & **Bunge**, S.A. (2018). Links between English and heritage language proficiency and executive functions in dual language learners from Head Start families. *Early Education and Development*. 30(3): 357-374.

92. Selmeczy, D., Fandakova, Y., Grimm, K.J., **Bunge**, S.A., and Ghetti, S. (2018) Longitudinal Trajectories of Hippocampal and Prefrontal Contributions to Episodic Retrieval: Effects of Age and Puberty. *Developmental Cognitive Neuroscience.* 20:100599.

91. Guerra-Carrillo, B. & **Bunge**, S.A. (2018) Eye gaze patterns reveal how reasoning skills improve with experience. *Nature Partner Journal: Science of Learning.*

Press release: <http://news.berkeley.edu/2018/10/18/lsat-eye-tracking/>

90. Starr, A., Vendetti, M., & **Bunge**, S.A. (2018). Eye movements provide insight into the development of analogical reasoning. *Acta Psychologica* 186:18-26.

89. Brod, G., Hasselhorn, M., & **Bunge**, S.A. (2018). When making a prediction boosts learning: The element of surprise. *Learning and Instruction* 55, 22-31.

88. Miller Singley, A.T. & **Bunge**, S.A. (2018). Eye gaze patterns reveal how we reason about fractions. *Thinking* *and Reasoning*: Special issue on “Reasoning and mathematics”. 24(4): 445-468.

87. Guerra-Carrillo, B., Katovich, K., & **Bunge**, S.A. (2017). Does higher education hone cognitive functioning and learning efficacy? Findings from a large, representative sample. *PLoS One* Aug 23;12(8):e0182276.

86. Wendelken, C., Ferrer, E., Ghetti, S., Bailey, S., Cutting, L., & **Bunge**, S.A. (2017). Fronto-parietal structural connectivity in childhood predicts development of functional connectivity and reasoning ability: a large-scale longitudinal investigation. *Journal of Neuroscience.* Aug 30;37(35):8549-8558.  Selected for *Society for Neuroscience* press promotion. Press coverage: <https://www.sciencedaily.com/releases/2017/08/170807082201.htm>

85. Fandakova, Y., Selmeczy, 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.* Jul 18;114(29):7582-7587.

84. Vendetti, M.\*, Starr, A.\*, Johnson, E.L., Modavi, K., & **Bunge**, S.A. (2017) Eyegaze patterns reveal optimal strategies during analogical reasoning. *Frontiers in Psychology – Cognition.* https://doi.org/10.3389/fpsyg.2017.00932 (\*shared first authorship)

83. Brod, G., **Bunge**, S.A., & Shing, Y. (2017) Does one year of schooling improve children’s cognitive control and alter associated brain activation?*Psychological Science* May 1:956797617699838. doi: 10.1177/0956797617699838. [Epub ahead of print]

82. Green, C.T., Chiongban, V.B., Barrow, M., Ferrer, E., & **Bunge**, S.A. (2017). Fluid reasoning predicts future mathematical performance among children and adolescents. *Journal of Experimental Child Psychology.* Jan 30;157:125-143.

81. Whitaker, K.J.\*, Vendetti, M.S.\*, Wendelken, C., & **Bunge**, S.A. (2017) Neuroscientific insights into the development of analogical reasoning. *Developmental Science.* (\*shared first authorship) Mar 12. doi: 10.1111/desc.12531. [Epub ahead of print]

80. Eckstein, M., Guerra-Carrillo, B., Miller Singley, A.T., & **Bunge**, S.A. (2017) Beyond eye gaze: What else can eyetracking reveal about cognition and cognitive development? *Developmental Cognitive Neuroscience.* Jun;25:69-91. doi: 10.1016/j.dcn.2016.11.001. Epub 2016 Nov 11.

79. Fandakova, Y., Wendelken, C., Lee, J.K., **Bunge**, S.A., & Ghetti, S. (2016) The Importance of Knowing When You Don't Remember: Neural Signaling of Retrieval Failure Predicts Memory Improvement Over Time. *Cerebral Cortex. Nov 23:1-13.* doi: 10.1093/cercor/bhw352. [Epub ahead of print]

78. Op de Macks, Z.A., **Bunge**, S.A. Bell, O.N., Wilbrecht, L., Kriegsfeld, L.J., Kayser, A.S., & Dahl, R.E. (2016) Risky decision-making in adolescent girls: The role of pubertal hormones and reward circuitry. *Psychoneuroendocrinology*. 74:77-91

77. Op de Macks, Z.A., **Bunge**, S.A. Bell, O.N., Kriegsfeld, L.J., Kayser, A.S., & Dahl, R.E. (2016) The effect of social rank feedback on risk taking and associated reward processes in adolescent girls. *Social, Affective, and Cognitive Neuroscience* Sep 10. pii: nsw125. Aug 17;74:77-91. doi: 10.1016/j.psyneuen.2016.08.013.

76. Mota, N.B., Weissheimer, J., Madruga, B., Adamy, N., **Bunge**, S.A., Copelli, M., & Ribeiro, S. (2016) A naturalistic assessment of the organization of children’s memories predicts cognitive functioning and reading ability. *Mind, Brain, and Education.* Doe 10.1111/mbe.12122

75. Church-Lang, J., **Bunge**, S.A., Petersen, S., & Schlaggar, B. (2016). Preparatory engagement of cognitive control networks increases late in childhood. *Cerebral Cortex*. Mar 1;27(3):2139-2153.

74. Sastre III, M., Wendelken, C., **Bunge**, S.A., Lee, J., Pospisil, J., Ross, J., & Ghetti, S. (2016) Age- and Performance-related Differences in Hippocampal Contributions to Episodic Retrieval. *Developmental Cognitive Neuroscience* 19:42-50.

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72. Mackey, A.P., Miller Singley, A.T., Wendelken, C., & **Bunge**, S.A. (2015). Characterizing transfer: How practicing reasoning skills influences brain and behavior. *PLoS One*, Sep 14;10(9):e0137627. doi: 10.1371/journal.pone.0137627

71. Luerssen, A., Gyurak, A., Ayduk, A., Wendelken, C., & **Bunge**, S.A. (2015). Delay of Gratification in Childhood Linked to Cortical Interactions with the Nucleus Accumbens. *Social, Cognitive, and Affective Neuroscience.* Jun 5. pii: nsv068. [Epub ahead of print]

70. Tharp, J., Wendelken, C., Schreier, H., Marco, E., & **Bunge**, S.A. (2015) Explaining individual variability in tic severity among children with Tourette Syndrome: Insights from a novel eyetracking paradigm. *Frontiers in Psychiatry* (section: *Child and Neurodevelopmental Psychiatry).* Published: 29 June 2015 doi: 10.3389/fpsyt.2015.00095

69.Wendelken, C., Ferrer, E., & **Bunge**, S.A. (2015) Fronto-parietal network reconfiguration supports the development of reasoning ability. *Cereb Cortex.* 26(5):2178-90

68.Vendetti, M.S.\*, Johnson, E.L.\*, Lemos, C.J., & **Bunge**, S.A. (2015). Hemispheric Differences in Relational Reasoning: Novel Insights based on an Old Technique. *Frontiers in Human Neuroscience*, Special Issue on “The Reasoning Brain”. **(**\*shared first authorship). Feb 9; 9:55

67.Blais, C., Harris, M.B., Sinanian, M.H., & **Bunge**, S.A. (2015). Trial-by-trial adjustments in control triggered by incidentally encoded semantic cues. *Quarterly Journal of Experimental Psychology.* 68(9):1920-30.

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64.Vendetti, M.S. & **Bunge**, S.A. (2014). Evolutionary and developmental changes in the lateral frontoparietal network: A little goes a long way for higher-level cognition. *Neuron 84(5):*906-917.

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62.Miller Singley, A.T. & **Bunge**, S.A. (2014). Neurodevelopment of Relational Reasoning: Implications for Mathematical Pedagogy. *Trends in Neuroscience and Education*, 3(2):33-37.

61.Wendelken, C., Lee, J., Pospisil, J., Sastre III, M., **Bunge**, S.A., & Ghetti, S. (2014). White Matter Tracts Connected to the Medial Temporal Lobe Support the Development of Mnemonic Control. *Cerebral Cortex.* Mar 27. E-pub ahead of print.

60.Johnson, E.L., Miller Singley, A.T., Peckham, A., Johnson, S., & **Bunge**, S.A. (2014). Task-evoked pupillometry provides a window into the development of short-term memory capacity**.** *Frontiers in Developmental Psychology.* *Mar 13;5:218.*

59.Guerra-Carrillo, B., Mackey, A.P., & **Bunge**, S.A. (2014) Resting-state fMRI: A window into human brain plasticity. *The Neuroscientist*. Feb 21. Epub ahead of print. PMID: 24561514

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57.Paz-Alonso, P.M.\*, **Bunge** S.A.\*, Anderson, M.C., & Ghetti, S. (2013) Strength of coupling within a mnemonic control network differentiates those who can and cannot suppress memory retrieval. *Journal of Neuroscience* 33(11): 5017-5026.

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54.Wendelken, C.\*, Munakata, Y.\*, Baym, C., Souza, M., & **Bunge,** S.A. (2012) Flexible Rule Use: Common Neural Substrates in Children and Adults. *Developmental Cognitive Neuroscience* 2(3):329-39

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53.Ghetti, S. & **Bunge**, S.A. (2012) Neural changes underlying the development of episodic memory during middle childhood. *Developmental Cognitive Neuroscience.* 2, 381-395.

52. **Bunge,** S.A. & Whitaker, K.J. (2012) Brain Imaging: Your MRI scan doesn’t lie about your age. *Current Biology* 22(18):R800-1.

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45. Blais C, Harris MB, Guerrero JV, **Bunge** SA. (2010) Rethinking the role of automaticity in cognitive control. *Quarterly Journal of Experimental Psychology* 29:1-9.

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***Peer-reviewed papers under review or in revision***

Schwarze, S.A., Laube, C., Khosravania, N., Lindenberger, U., **Bunge**, S.A., & Fandakova. Y (under review) Intensive task-switching training and single-task training differentially affect behavioral and neural manifestations of cognitive control in children.

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Schwarze, S.A., Bonati, S., Cichy, R.M., Lindenberger, U., **Bunge**, S.A., & Fandakova, Y. (under review). Task-Switch Related Reductions in Neural Distinctiveness in Children and Adults: Commonalities and Differences.

*Preprint:* <https://www.biorxiv.org/content/10.1101/2023.12.22.572358v1>

Lukic, S., Fei, J., Mandelli, M., Qi, T., ADD, **Bunge**, S.A., Gorno-Tempini, M.-L. & Watson Pereira, C. (2023) Semantic strength in Dyslexia: Neurocognitive correlates of semantic fluency. *Preprint:* <https://osf.io/preprints/psyarxiv/g46ne>

Leib, E.R., **Bunge**, S.A., & Piantadosi, S.T. (submitted) Indigenous Amazonians spontaneously use space to offload cognition. *Preprint:* <https://osf.io/75vrj/>

Wang, W.-C., Taniguchi, L., & **Bunge**, S.A. (in revision). Which factors support memory formation during childhood? Probing the contributions of effort and prior knowledge.

***Manuscripts in progress***

Alfred, K. L.\*, Ichien, N.\*, Baia, S., Lu, H., Holyoak, K. J., Kraemer, D. J. M.\*, **Bunge**, S. A.\* (in prep) Predicting Relational Luring through Individual Differences.

\* Joint first or senior authors

Häkkinen, S., Voorhies, W.I., Willbrand, E.H., Tsai, Y.-H., Gagnant, T. Yao, J.K., Bunge, S.A., & Weiner, K.S. (in prep) Functional connectivity of lateral frontoparietal sulci during reasoning in youth.

\* joint senior authors

Ellwood-Lowe, M., Bernstein, M., **Bunge**, S.A.\* & Srinivasan, M.*\**, (in prep.) Re-examining selective attention: Children show neural processing and learning from distracting information.

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***Chapters, commentaries, and other publications***

34. Wang, W.-C., Brod, G., Ghetti, S., & **Bunge**, S.A. (2018) The more you know: Investigating why adults get a bigger memory boost from semantic congruency than children.

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33. Lingyan Hao, Shunxing Bao, Yucheng Tang, Riqiang Gao, Prasanna Parvathaneni, Jacob Miller, Willa Voorhies, Jewelia Yao, Silvia **Bunge**, Kevin Weiner, Bennett Landman, Ilwoo Lyu (2020) Automatic Labeling of Cortical Sulci Using Spherical Convolutional Neural Networks in a Developmental Cohort. Peer-reviewed conference proceeding, IEEE 17th International Symposium on Biomedical Imaging (ISBI).

32. National Scientific Council on the Developing Child, Working Paper #14. Understanding Motivation: Building the Brain Architecture that Supports Learning, Health, and Community Participation. Co-authored with faculty and staff members of the Council.

31. **Bunge**, S.A. (2018) Your eyes reveal more than you know. NPJ Science of Learning Community. <https://npjscilearncommunity.nature.com/posts/39983-your-eyes-reveal-more-than-you-know>

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22. **Bunge**, S.A.(2013) Ain’t No Mountain High Enough: A Review of “How Children Succeed: Grit, Curiosity, and the Hidden Power of Character” by Paul Tough. *Cerebrum*, The Dana Foundation. <http://www.dana.org/news/cerebrum/detail.aspx?id=40904>

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4. Barrow, M., Jaques, R., Ponischil, K., Lengua, L., & **Bunge**, S.A. (2015) Improved cognitive flexibility after a structured play intervention with a high-risk sample of preschoolers. Available on ResearchGate.

3. Jenkins, W., De Ley, L., **Bunge**, S., Mann, V., & Siegler, R. (2012) What Young Children Need to Learn About Numbers: Differences in learning style and response to error correction in pre-kindergarten and kindergarten students using an adaptive iPad based learning game.

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**Grants and Fellowships**

***Pending***

**Narrowing the mechanistic gap for anterior prefrontal cortex function**

Principal Investigator: Silvia Bunge

R01, National Institute of Mental Health

Pending Scientific Council review, 05/2024

***Awarded***

Jacobs Foundation Research Fellowship: Creating Impact Science Program

Establishment of a mobile, state-of-the-art human brain imaging facility for developmental neuroscience research across diverse populations

Period Covered: 01/2024-29

Total Award Amount: 105,000 Swiss Francs

***Completed grants***

**How does the human brain represent abstract concepts?**

Principal Investigators: Silvia Bunge, David Kraemer, Keith Holyoak, Hongjing Lu

National Science Foundation, Cognitive Neuroscience program

**The role of prefrontal sulcal morphology and brain network architecture in cognitive development**

Principal Investigators: Kevin Weiner, Silvia Bunge

National Institute on Child Health and Development, R21 proposal

**Investigating hidden strengths among children with dyslexia**

Principal Investigators: Silvia Bunge, Christa Watson

Schwab Dyslexia and Cognitive Diversity Center

**Identifying factors that promote students’ understanding of physical science concepts**

Principal Investigators: Yana Fandakova, Silvia Bunge

Jacobs Foundation Science of Learning Pilot Project

The general aim of the proposed project is to examine how secondary school students learn scientific concepts; our goal at UC Berkeley is to develop eyetracking measures to predict and assess learning in a real-world context.

Period Covered: 06/01/2019 – 05/31/2021
Location of Project: Max Planck Institute on Human Development

**Contributions of Executive Function Subdomains to Mathematical Learning and Literacy in the Classroom: Assessment and Training**

Principal Investigators: Adam Gazzaley and Melina Uncapher, UCSF

Role: Co-investigator

Source of Support: NSF Science of Learning: Collaborative Network

Description: Our collaborative network aims to clarify how the multiple domains of executive functions (EFs) contribute to individual differences in learning of math and reading skills in middle childhood.

Period Covered: 10/01/15-10/01/18

Location of Project: University of California, San Francisco

UC Berkeley subaward: $59,853

**Bidirectional Relations: Bilingual and Socio-Emotional Development in Dual Language Learners**

Principal Investigators: Qing Zhou, Yuuko Yuchikoshi

Role: Co-Investigator

Proposed source of support: National Institute of Minority Health and Health Disparities

Period Covered: 04/01/2017-03/31/2022

**Mechanisms and Sequential Progression of Task-Switching Plasticity in Middle Childhood**

Principal Investigator: Yana Fandakova

Role: Co-Investigator

Funded by German Research Foundation (DFG)

The goal of this project is to examine brain plasticity in children as a result of intensive practice with task-switching

Period Covered: 06/01/2018 – 06/01/2021

Total Award Amount: 205,220 Euros

**Collaboration: The role of brain connectivity in reasoning development**

Principal Investigators: Wendelken (Research scientist in Bunge Lab) and Bunge

National Science Foundation

Period Covered: 03/01/2016-03/01/2018

Description: This grant covers the analysis of multi-modal longitudinal MRI data collected in our lab at UC Berkeley, at UC Davis (Co-I Simona Ghetti), and at Vanderbilt University (Co-I Laurie Cutting), with a view to identifying the changes in structural and functional brain connectivity that support the development of reasoning ability over childhood and adolescence.

Location of Project: University of California, Berkeley

Total Award Amount: $500,000 direct costs

**Jacobs Foundation Advanced Career Research Fellowship**

Principal Investigator: Silvia Bunge, Ph.D.

Period Covered: 2016-2018

Description: Awarded to the most innovative mid-career researchers working on child and youth development. Proposal focused on investigating individual variability in responsiveness to different kinds of cognitive training in socioeconomically disadvantaged children, both in terms of cognitive functioning and academic achievement.

Location of Project: University of California, Berkeley

Total Award Amount: 400,000 Swiss Francs

**Alexander von Humboldt Research Award**

Principal Investigator: Silvia Bunge, Ph.D.

Location of Project: Max Planck Institute of Lifespan Psychology in Berlin

Description: Awarded annually to 100 scholars in any field and of any nationality. This research award will support research on brain plasticity in children, assessing the effectiveness of an intervention aimed at boosting reasoning skills and strengthening the underlying brain network.

Period Covered: 2016-2018

Total Award Amount: 60,000 Euros

**Relational reasoning: Neural mechanisms, development, & plasticity**

Principal Investigator: Silvia Bunge, Ph.D.

Source of Support: James S. McDonnell Foundation Scholar Award

Period Covered: 08/01/11-08/01/17

Location of Project: University of California, Berkeley

Description: This Scholar Award supports several new lines of inquiry in the area of relational reasoning.

Total Award Amount: $600,000

**Neural Development of the Fronto-Temporal Episodic-Memory Network in Childhood**

Principal Investigators: Simona Ghetti, Ph.D. and Silvia Bunge, Ph.D.

Source of Support: Submission to National Institute of Mental Health in July 2010

Period Covered: 06/07/2011-06/06/2016

Description: This project aims to examine changes in hippocampal structure, function, and connections that underlie episodic memory development.

Location of Project: UC Davis; sub-award to UC Berkeley

Total Award Amount: $2,842,260. UC Berkeley subaward: $711,765

###### Neural Changes Underlying the Development of Fluid Reasoning

###### Principal Investigators: Silvia Bunge and Emilio Ferrer

Source of Support: NINDS R01, NS057146-01

Total Award Amount: $1,093,750, Total Award Period Covered: 07/01/07-12/31/12

Location of Project: University of California, Berkeley

Description: This grant focuses on longitudinal changes in brain structure and function that lead to developmental improvements in fluid reasoning

**Executive Function and Frontal Cortex**

Principal Investigator: *Mark D’ Esposito*; Role: Co-Investigator

Source of Support: P01 National Institute of Neurological Disorders and Stroke NS040813

Total Award Amount: $7,559,148, Total Award Period Covered: 12/01/07-11/30/12

Location of Project: University of California, Berkeley

Description: This program project covers research on the organization and functions of lateral prefrontal cortex.

**Neural Mechanisms of Cognitive Control and Reward-based Learning in Children with Tourette Syndrome**

Principal Investigator: *Silvia Bunge, Ph.D.*

Source of Support: Tourette Syndrome Association

Total Award Amount: $75,000 Total Award Period Covered: 6/18/10-7/18/11

Location of Project: University of California, Berkeley

Description: This grant focused on the neural basis of Tourette syndrome.

**Effects of Early Damage to Prefrontal Cortex**

Principal Investigators: *Jacob Neufeld, M.D. and Silvia Bunge, Ph.D.*

Total Award Amount: $50,000

Source of Support: Children’s Hospital Oakland Research Institute

Location of Project: Children’s Hospital Oakland & University of California, Berkeley

Description: This award provided seed funds for a new project tracking the cognitive outcomes of children with early focal brain injury

**Effects of early damage to prefrontal cortex: Implications for criminal responsibility**

Principal Investigators: *Silvia Bunge (P.I.) & Robert Knight (co-P.I.)*

MacArthur Law and Neuroscience Project

Total Award Amount: $80,500

**Brain maturation subserving cognitive control development**

Principal Investigator: Silvia Bunge

National Science Foundation (0448844) 04/01/2005 – 04/01/2008

Total Award Amount: $450,000

**Neural Underpinnings of Deficient Cognitive Control in Developmental Disorders Affecting Frontostriatal Circuitry**

Principal Investigator: Silvia Bunge 06/04 – 06/09

John Merck Scholarship in Developmental Disabilities

Total Award Amount: $300,000

**Neural substrates of the development of recognition memory**

Principal Investigator: Simona Ghetti, UC Davis, 2007 – 2009

R03 funded by NICHD (R03HD054636-01).

Role: Co-PI

***Co-Investigator or Consultant on Submitted/Completed Grant Proposals***

**Integration of EF and Mathematical Training**

Principal Investigator: Michael Cohen, Cignition

EF+Math program c/o New School Ventures Fund

Period Covered: 08/01/2020 – 07/31/2023

**Science-based Innovation in Learning Center for English Language Learners and Learning Disabilities**

Principal Investigator: Fumiko Hoeft

Proposed source of support: University of California Multicampus Research Programs and Initiatives

1/1/2017-12/31/2020

Role: Consultant

**Executive function and brain maturation in children with severe congenital heart disease: A window of opportunity for intervention**

Principal Investigator: Bea Latal

Funded proposal (April 2017), Swiss National Science Foundation

Role: Project partner (i.e., collaborator)

**The interaction of brain structure and sleep neurophysiology in regulating the neural substrates of inattention symptoms in pediatric ADHD**

Principal Investigator: Jared Saletin

Funded K01 Award (Summer 2016)

Role: Consultant

**Cognitive and Neural Flexibility in Autism**

Principal Investigator: Lucina Uddin

Funded BRAINS R01

Role: Advisory Board member

**Collaborative Research: Domain-General and Domain-Specific Training to Improve Children’s Mathematics**

Principal Investigators: Susanne Jaeggi & Geetha Ramani

Funded NSF grant

Role: Advisory Board member

**Analogical Reasoning in High Functioning Autism Spectrum Disorders**

Principal Investigators: Adam Green, Ph.D. and Chandan Vaidya, Ph.D.

R03 slated for resubmission

**Mesure de l'impact d'un programme d'intervention sur la réorganisation cérébrale post-TCC pédiatrique à l'aide de la connectivité fonctionnelle**

Principal Investigator: Miriam Beauchamp, Ph.D.

Quebec Bioimaging Network submission slated for submission

**A Network Approach to Study Brain Plasticity in Children with Cognitive Training**

Applicant: Olga Tymofiyeva

K99 Application to NICHD submitted in February 2013

Role: Collaborator

**Translation of Cognitive Neuroscience to Rehabilitation for Patients with Traumatic Brain Injury**

Principal Investigators: *Anthony Chen, M.D. and Mark D’Esposito, M.D.*

Department of Defense FY07 Intramural TBI Investigator-Initiated Research Award. Award Number W81XWH-08-2-0088. 08/01/2008 – 30/08/2012.

**Longitudinal effects of treatment on brain function in Tourette Syndrome**

Principal Investigator: Bradley Schlaggar

R21 funded by NIMH (R21MH091512)

**The impact of reappraisal ability in the adjustment to stressful life events in a community sample**

Principal Investigator: Iris Mauss R21 funded by NIA 04/2008 – 04/2010

***Unfunded proposals***

**How do students learn to reason like scientists?**

Principal Investigators: Silvia Bunge, Bryan Matlen (WestEd)

National Science Foundation submission

**Characterizing Effects of Inequality on Brain Development & Strengthening Resilience against Adversity**

Principal Investigators: Linda Wilbrecht, Silvia Bunge

Vice Chancellor for Research research proposal, UC Berkeley

**Pediatric Acquired Brain Injury: Cognitive Deficits and Compensatory Mechanisms**

Principal Investigators: Silvia Bunge, Ph.D., Kenneth Martin, M.D., Elysa Marco, M.D.

NIH R01 submission

**Effects of Fluid Reasoning Training on Neurocognitive Function and Academic Achievement**

Principal Investigator: Silvia Bunge, Ph.D.

NSF submission

**Longitudinal interrelations between fluid reasoning and school achievement: Mediators of trajectories of reading and mathematics**

Principal Investigators: Emilio Ferrer, Ph.D.; Co-PI: Silvia Bunge, Ph.D.

Institute of Education Sciences submission

**Talks (2008 onwards)**

2024 Invited speaker, Congreso de la Sociedad Latinoamericana de Neuropsicología, Cuenca, Ecuador

 Invited speaker, Exploring the Mind series, Mind and Brain Poster Day, UC Davis

2023 Symposium, Next-Generation 7T scanner: Design and applications, UCB

 Symposium co-chair, Flux Congress, Santa Rosa, CA

 Multidisciplinary conference in honor of Adele Diamond, Vancouver

 National Student Leadership Conference (for high schoolers)

2022 Symposium, Flux Congress, Paris - *unable to attend*

 Speaker and co-organizer, Sulcal Workshop, Paris - *unable to attend*

 Goethe University, Frankfurt, DIPF/Leibniz Institute for Research and

 Information in Education (June)

 Max Planck Institute for Human Development, Berlin, Lifespan Psychology Group (June)

 Neuroscience Faculty Forum, UC Berkeley (May)

 Life Lab at the University of Gothenburg, Sweden

 Invited Discussant, UC Berkeley Tanner Lectures on Human Values

 Learning and the Brain conference, New York

 Feindel Virtual Brain and Mind Seminar Series, Montreal Neurological Institute

2021 Colloquium, Center for Cognitive Science, University of Kaiserslautern, Germany

 Plenary Speaker, Sociedad Argentina de Investigación en Neurosciencias

 Co-Chair, Symposium at Flux Congress

 UCLA Department of Psychology colloquium

 Analogy colloquium series (an international group of researchers)

 UC Merced Department of Psychology Colloquium

2020 Helen Wills Neuroscience Institute conference

2019 Child Development Center, University Children’s Hospital, Zürich

 Distinguished Speaker, Psychology Day, Vanderbilt University

 Co-Chair, Symposium at Cognitive Neuroscience Society

2018 UC-Stanford Precision Learning Center IMBES 2018 Satellite Symposium

 Symposium at International Mind, Brain & Education conference

 Early Learning Summit, Peninsula Family Leaders, San Mateo County

 Science of Learning Workshop, Max Planck Institute in Berlin

 Latin American School on Education, Cognitive and Neural Sciences

 Keynote speaker, McGill Healthy Brains for Healthy Lives Initiative Inaugural symposium

 Jacobs Foundation Research Fellows meeting, Marbach, Germany

 Invited address, Association for Psychological Sciences

2017 Robert and Russell Moody Lecture Series, Galveston, Texas

 Ambassadors School presentations, Galveston, Texas

 Webinar for Directors of California’s Temporary Assistance for Needy

 Families program (CalWORKS 2.0)

 Symposium, Society for Research on Child Development

 Round-table Discussion, Society for Research on Child Development

 Jacobs Foundation Research Fellows Meeting, Austin

 Society of Experimental Psychologists, Vanderbilt University

 Learning and the Brain Conference

2016 Conte Center Outreach series, Harvard University

 Max Planck Institute for Human Development, Berlin

 Wertheimer Colloquium, Goethe Institute, Frankfurt

 Symposium, International Mind, Brain, and Education Society

 Jacobs Foundation Research Fellows Meeting: Early Experience and Sensitive Periods in Development, Sicily

 Mente y Cerebro: Homenaje a Pio Tudela. De la Psicología Experimental a la Neurociencia Cognitiva. University of Granada

 Latin American School on Education, Cognitive, and Neural Sciences, Argentina

2015 Lawrence Hall of Science, Berkeley

 Institute of Human Development, UC Berkeley

 Max Planck Institute for Human Development, Berlin (two talks)

 Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig

 Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin

 Invited speaker, Congreso de la Sociedad Latinoamericana de Neuropsicología, Medellín, Colombia

 Webinar for Center on Budget and Policy Priorities, Washington, D.C.

 Excellence in Teaching Day, Boston College

 Cell Press LabLinks conference, UCSF

 Minisymposium at Cognitive Neuroscience Society

 Latin American School on Education, Cognitive & Neural Sciences, Chile

 UT Dallas Center on Vital Longevity

 Keynote address, Spring 2015 Teaching Conference for Graduate

 Student Instructors, UC Berkeley

2014 Webinar for Frontiers of Innovation

 Symposium chair, International Mind, Brain, & Education Society

 Neuroplasticity and Education conference, Vancouver

 Jacobs Center Symposium on Productive Youth Development, University of Zurich

 Webinar for Center on Budget and Policy Priorities, Washington, D.C.

 UC Berkeley Campus Shared Services Brown Bag

 UC Office of the President Family Group

 4th Latin American School for Education, Cognition, and Neural Sciences, Uruguay

 Public lecture, Universidad de la República, Montevideo Uruguay

 Learning and the Brain Conference, San Francisco

 U.S. Department of Health and Human Services meeting

 Lecture for Psychology Graduate Student Instructors, UCB

 University of Texas at Austin, Imaging Research Center

 Instructor in 1st Summer School, Swiss Graduate School for Cognition,

 Learning, and Memory, Weggis, Switzerland

 University of California Emeritus Association Luncheon

2013 Flux: The International Congress for Integrative Developmental

 Cognitive Neuroscience, Pittsburgh, PA

 Max Planck Institute for Human Development, Berlin (2 talks)

 ZiF Center for Interdisciplinary Research workshop, Bielefeld, Germany: “Task-driven control of thought and action by working memory”

 Expert Consensus on Brain Health, sponsored by the Stanford Center on

 Longevity & Max Planck Institute for Human Development

 Symposium presentation, Society for Research on Child Development

 U Illinois at Urbana-Champaign, Psychology & Beckman Institute

 Temple Institute for Learning and Education Sciences & Neuroscience Program, Temple University

 3rd Latin American School for Education, Cognitive, & Neural Sciences, Brazil

 Learning and the Brain Conference, San Francisco

 Distinguished Speaker, Children's Learning Institute, University of Texas Health Science Center, Houston

2012 Stanford University School of Education Colloquium

 NIMH Early Experience, Stress & Neurobehavioral Development Center

 Distinguished Scientist Lecture, U Pittsburgh Dept of Psychiatry

 Princeton University Department of Psychology

 Workshop on “Micro- and Macro-perspectives of Cognitive Control”, Humboldt University, Berlin

 Leadership Summit, Association of California School Administrators Region 6: Cultivating Educational Leaders for Today and Tomorrow

 University of Oregon, Department of Psychology Colloquium

 Children’s Home Society and ChildHaven, Seattle

 2nd Latin American School for Education, Cognition, and Neural Sciences, Argentina

 Sociedad Científica de Argentina, Buenos Aires

2011 Building Caregiver Capacities meeting with healthcare providers and

 policymakers from the State of Washington, Seattle

 37th Minnesota Symposium on Child Psychology: Developing Cognitive Control Processes: Mechanisms, Implications, and Interventions

 Aspen Brain Forum/New York Academy of Sciences meeting

 Margaret and Paul Baltes Memorial Conference on Life-Span Brain Plasticity and Cognition, Wayne State University

 Seminar, Lifespan Psychology Group, Max Planck Institute for Human Development, Berlin

 Nobel Forum symposium, “Boosting the Brain”, Stockholm

 Basque Center on Cognition, Brain, and Language, San Sebastian

 International Scientific Meeting on Attention (RECA VIII), Sevilla

 UCSD Cognitive Science Colloquium

 Contra Costa Office of Education

 Vanderbilt Kennedy Center Lecture Series on Human Development and

 Developmental Disabilities

 Pennsylvania State University Neuroscience Seminar Series

 Learning and the Brain Conference, San Francisco

 Duke Institute for Brain Sciences’ Cognitive and Affective

 Control, Seminar series

 Cambridge University Neuroscience seminar

 Experimental Psychological Society, London

2010 National Scientific Council on Child Development

 Seminar at the University of Frankfurt Department of Psychology

 International Max Planck Research School LIFE, Berlin

 Symposium speaker, Society for Neuroscience

 Symposium speaker, Child Neurology Society

2009 Invited talk at National Institute on Mental Health

 Expert meeting, “Methods and Challenges in Developmental Neuroimaging”, Amsterdam (*unable to attend*)

 Neuroscience Institute seminar, Princeton University

 Neuroscience and Cognitive Sciences seminar, U Maryland, College Park

 Learning and the Brain Conference, “The Social Brain and Learning”

 Colloquium, Max Planck Institute for Human Development, Berlin

 Pediatric Neuropsychology Seminar, UCSF

2008 Cognitive Science Colloquium, University of Arizona, Tucson

 Symposium, Memory Disorders Research Society, St. Louis

 Tamagawa Research Institute, Tokyo

 Speaker, Summer Institute in Cognitive Neuroscience (for contributors to “The Cognitive Neurosciences III”, edited by Michael Gazzaniga), Tahoe

 RAMBLE Cognitive Neuroscience group meeting, UC Berkeley

 Discussant, Peter Thiel’s Cartesian Club, San Francisco

 Days of Molecular Medicine symposium, Stockholm (*declined*)

 International Summer Campus, Korea University (*declined*)

 Washington University, Neuroscience seminar series

 University of Michigan, fMRI Seminar Series

 San Lorenzo School District meeting for elementary school principals

 Parent-Teacher Association, Rosa Parks Elementary School, Berkeley

 Learning and the Brain Conference, San Francisco

 Neuropsychology Brown Bag Lunch, Martinez VA

 Learning Brain Expo, San Francisco

**Conference and Workshop Leadership/Involvement**

2023 Local co-host, Flux Conference

2022 Sulcal conference, Université de Paris

2017 – 2020 Secretary of International Mind, Brain, and Education Society

2017 – 2018 Co-organizer, Latin American School on Education, Cognitive & Neural Sciences

 Co-Chair, Flux Conference program committee; Meeting co-organizer

2015 Co-Organizer, Social Issues Roundtable at the Society for Neuroscience

2014 – 2017 Board of Directors, Flux: Developmental Cognitive Neuroscience Society

2014 – present Board member, International Mind, Brain, & Education Society

 Symposium Chair, International Mind, Brain, & Education Society

2014 – present Steering Committee for Latin American School of Education,

 Cognitive and Neural Sciences

2013 Panel host, Science Communication and Science Policy, Beyond

 Academia conference for UCB graduate students

2012 – Organizer, CHILD Research Center Public Lecture series

2011 Course Director for Week 2 of Summer Institute in Cognitive Neuroscience, with 70+ fellows from the U.S. and abroad, and multiple invited faculty. Topic: “Numerical and relational processing.”

Frontiers of Innovation Workshop, Harvard

2010 Frontal Lobes Conference 2010, Rotman Institute, Toronto; Speaker &

 Co-organizer of symposium on Prefrontal Development

 Gordon Research Conference on Neurobiology of Cognition

 “Reprogramming the Human Brain” Conference, Dallas

 Robert Wood Johnson Foundation Forum on the Future Impact of

 Neuroscience and Behavior Change

2009 Organizer, UCB Conference on Neurocognitive Development (over 200

 participants and 60 presentations)

2008 – 2014 Co-Sponsor, Learning and the Brain Conference, San Francisco

2008 – 2011 Young Investigator Awards Committee, Cognitive Neuroscience Society

 Talk Session Committee, Cognitive Neuroscience Society

2009 Reviewer for submissions to Society for Research on Child Development

Panel 3: Childhood: Biological and Cognitive Processes

2006 Judge, travel fellowships, SF Bay Area Chapter, Society for Neuroscience

 Chair, Slide Session, Society for Neuroscience

2005 Chair, Minisymposium at Society for Neuroscience

 Chair, Invited Symposium at American Psychological Society

2004 – 2005 Travel fellowship committee for UCD Chapter of Society for Neuroscience

2003 – 2004 Co-organizer, “Multiple perspectives on Decision making” conference

 Co-organizer, Annual Psychology Department Conference

 Representative, Local Chapter of the Society for Neuroscience (UCD)

**Service to Profession**

***Editorial Service***

2020 Guest Editor, Special Issue of Developmental Cognitive Neuroscience on Flux 2018: Mechanisms of learning and plasticity.

2016 – 2021 Associate Editor, Mind, Brain, and Education

2015 – 2016 Co-Editor with postdoctoral fellow Yana Fandakova, Special issue of Mind, Brain, and Education: The relevance of memory research for education

2015 Ad Hoc Editor, PNAS

2015 – Associate Editor, Frontiers for Young Minds

2011 – 2012 Co-Editor with Sarah-Jayne Blakemore, Special Issue of *Developmental*

 *Cognitive Neuroscience*: Supplement on Neuroscience and Education

2010 – 2011 Co-Editor with Arthur Toga, Book section (6 chapters) on Frontal Lobe

 Development for Principles of Frontal Lobe Functions, 2nd Edition, Edited by

 Donald Stuss & Robert Knight, Oxford University Press, 2012.

2012 – 2014 Editorial Board member, Psychological Science

2011 – Advisory Board member, Developmental Cognitive Neuroscience

2009 – Editorial Board member, *NeuroImage*

2009 – 2010 Guest Editor, Special Issue of *Frontiers in Human Neuroscience*: The

 Developing Human Brain

2008 – 2011 Associate Editor for *Frontiers in Human Neuroscience*

2007 – 2008 Consulting Editor for *Cognitive, Affective, and Behavioral Neuroscience*

2004 – 2005 Guest Editor for Special Issue of *Cognitive Brain Research*: Multiple

 Perspectives on Decision Making,23(1): 1-151, 2005.

***Reviews***

*Journal articles*

*Acta Psychologica; Archives of General Psychiatry; Behavioral Neuroscience; Biological Psychiatry; Biological Psychology; BMJ Open; Brain; Brain and Cognition; Cerebral Cortex; Child Development; Child Development Perspectives; Cognition; Cognitive, Affective & Behavioral Neuroscience; Cognitive Brain Research; Cognitive Development; Cortex; Current Biology; Current Directions in Psychological Science; Developmental Cognitive Neuroscience; Current Opinion in Behavioral Sciences; Developmental Psychology; Developmental Science; eLife; Experimental Brain Research; Emotion; European Journal of Neuroscience; Frontiers in Human Neuroscience; Frontiers in Neuroscience; Frontiers in Systems Neuroscience; F1000Research; Journal of Adolescence; Journal of Child Psychology and Psychiatry; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Neurophysiology; Journal of Neuroscience; Mind, Brain, & Education, Monographs of the Society for Research on Child Development; Nature Human Behaviour; Nature Communications; Nature Communications Biology; Nature Neuroscience; Nature Partner Journal Science of Learning; Nature Reviews Neuroscience; NeuroImage; Neuron; Neuropsychologia; Neuropsychology; Neuroscience; Neuroscience & Biobehavioral Reviews; Quarterly Journal of Experimental Psychology; Personality and Individual Differences; Proceedings of the National Academy of Sciences; Psychological Bulletin; Psychological Review; Psychophysiology; Psychological Research; Psychological Review; Psychological Science; PLoS One; Science; Science Advances; Trends in Cognitive Sciences; Trends in Neuroscience and Education*

NIH Study Sections

Ad-hoc committee member at least once for Child Psychopathology & Developmental Disabilities; Cognition and Perception; NIMH Child Interventions Review; Physiology and Modeling Review; Pediatric Functional Neuroimaging Research Network; NIMH Pathway to Independence (K99); Biobehavioral and Behavioral Processes Special Emphasis Panel; Sensory and Motor Neuroscience, Cognition and Perception Fellowship Study Section (F02B); NIH New Innovator Awards; NICHD Program Project Review; Special Emphasis panel for Cognition and Perception or Language and Communication; NIH Director's New Innovator Award Program (DP2)

NSF grant programs

Cognitive Neuroscience Initiative; Research on Learning and Education; Perception, Action & Cognition; Behavioral Systems Cluster; CAREER award; Research and Evaluation on Science Education; Developmental and Learning Sciences; Integrative Strategies for Understanding Neural and Cognitive Systems

Other funding agencies

France-Berkeley Fund; Israel Science Foundation; AXA Research Fund (European funding agency); Medical Research Council (U.K.); Netherlands Organization for Scientific Research (NWO); Natural Sciences and Engineering Research Council of Canada (NSERC); Alexander von Humboldt Foundation, Germany; German Research Foundation (DFG); Templeton Foundation; Wellcome Trust Foundation; Swiss National Science Foundation; Canada First Research Excellence Fund; Canada Research Chairs Program; American Psychological Association Early Career Awards

Review of book proposals

Guilford Press

Cambridge University Press

Oxford University Press

Princeton University Press

Summaries for book jackets/endorsements

The Agile Mind”, by Wilma Koutsdaal

“Origins and Development of Recollection: Perspectives from Psychology and

 Neuroscience”, edited by Simona Ghetti & Patricia Bauer

Executive Function: Development Across the Life Span, edited by Sandra A. Wiebe and

Julia Karbach

***External Advisory Roles***

2023 – 2029 Consultant for Jacobs Foundation's Creating Impact Science Program

2018 External reviewer for 5-year review of Center for Mind and Brain, UC Davis

2015 Invited participant, White House Office of Science and Technology Policy

 Workshop on Neuroscience and Learning

2014 NICHD Reasoning Work Group Meeting

2013 Advisory Board Member, The Synapse Project, The Aspen Brain Forum (aimed at mentoring aspiring female neuroscientists)

2012 External Consultant, DFG (German Science Foundation) Research Group

 on "Conflict as Processing Signal"

 External Dissertation Committee Member, Humboldt University, Berlin

2010 – External Advisor, Max Planck Institute in Human Development

2010, 2012 External Advisory Committee for NIMH Center on "Executive Function

 and Dysfunction" at University of Colorado at Boulder

2009 – 2012 Consultant on development of Academic Readiness tools, Scientific

 Learning Corporation

2009 Robert Wood Johnson Forum: Neuroscience & Behavior Change

***Expert Testimony***

2014 Contribution to Amicus Brief for the Supreme Court of Ohio, submitted by Drs. Luna,

Nelson III, Bunge, Galván, and Spear (re: Ohio v. Moore)

2011 Expert witness in the CA Senate on adolescent brain development, CA Senate Bill 9

2010 Contribution to American Medical Association Amicus Brief for the Supreme

 Court on life without parole sentencing for adolescents (re: Graham v. Florida)

2010 Co-author of statement on adolescent brain development signed by multiple leading

 developmental cognitive neuroscientists

**Departmental and University Service**

2022 Outstanding Service Award, Department of Psychology

***Service to Graduate Programs***

Service related to graduate admissions & recruitment, modifying program requirements, monitoring student progress through the program, advocating on behalf of students, advice on students’ extramural funding applications & job applications, letters of reference, equitable distribution of funds & teaching assignments, etc.

2022 – 2024 Graduate Admissions Committee, Neuroscience Graduate Program, UCB

2021 – 2024 Cog Neuro Graduate Advisor, Neuroscience Graduate Program, UCB

2019 – 2021 Head Graduate Advisor, Department of Psychology, UCB

2016 – 2017 Advisory Committee on Graduate and Postdoctoral Professional Development, Graduate Council, UCB Senate Sub-committee

2014 – 2016 Member, Graduate Council, UCB Senate Committee

2011 – 2016 Head Graduate Advisor, Department of Psychology, UCB

2009-10, 14-15 Cog Neuro Graduate Advisor, Neuroscience Graduate Program, UCB

2008 – 2011 Neuroscience Program Admissions Committee, UCB

 Neuroscience Graduate Recruitment speaker

2004 – 2006 Graduate Student Advisor, Department of Psychology, UCD

***Additional Departmental & University Service***

2021 – Chair, Climate Change Action Committee, Psychology

2021 – Member, Ad Hoc Committee for proposal to Academic Senate for a standing Climate Change Committee

2017 – 2022 Member, Committee for the Protection of Human Subjects (CPHS-I)

Jan-June 2018 Chair, Committee for the Protection of Human Subjects (CPHS-I)

2017 – 2018 Search Committee, Faculty position in Social Development

2014, 2016 Panelist, *Beyond Academia* Conference

2015 Reviewer for Summer Undergraduate Research Fellowship program

2014 – ? Executive Committee member,Institute of Human Development

2012 – Founding member, CHILD Research Center

2011 – 2012 Vice Chair, Committee for the Protection of Human Subjects (CPHS-I)

2011 – Faculty Editor, PsychologiCAL newsletter

2009 – 2014 Executive Committee, Helen Wills Neuroscience Institute, UC Berkeley

2008 Search committee: Director of Institute of Human Development, UCB

2008 – 2009 Faculty search committee, Sensation & Perception, Psychology Dept.

2007 – 2009 Committee for the Protection of Human Subjects, UCB

2007 – Faculty Merit Reviews, Psychology Department

2003 – 2004 Faculty search committee, Center for Mind and Brain, UCD

 Faculty search committee, Social-Personality area of Psychology, UCD

2004 – 2005 Faculty search committee, Developmental area of Psychology, UCD

2004 - 2006 Member, Department Chair’s Advisory Committee, UCD

2003-2005 Member, Safety committee, UC Davis Imaging Research Center

2008, 2009 CUSH Regents' and Chancellor's Scholarship Subcommittee, UCB

**Teaching Experience**

2022 Developmental Proseminar (PSYCH 240, with C. Kidd)

2021 Sophomore Seminar on Motivated Reasoning (PSYCH 84)

 Neuroscience Career Skills (NEURO 290B)

 Professional Development for Graduate Students (PSYCH 293)

2020 The Developing Brain (PSYCH 125)

 Developmental Proseminar (PSYCH 240, with C. Kidd)

2018 Developmental Cognitive Neuroscience (PSYCH 290)

The Developing Brain (PSYCH 125)

 Developmental Proseminar (PSYCH 240, with M. Srinivasan & A. Gopnik)

2017 Lifestyle Influences on Brain Health (PSYCH 290)

 Professional Development for Graduate Students (PSYCH 293)

 Three-day course in Asunción, Paraguay, organized by the Asociación

 Paraguaya de Neuropsicología

2016 Developmental Proseminar (PSYCH 240, with M. Srinivasan)

 The Developing Brain (PSYCH 125)

2015 Sensitive Periods & Experience-Dependent Brain Plasticity (PSYCH 290, with L. Wilbrecht)

2012, 2014 Undergraduate lecture course: The Developing Brain (PSYCH 125)

2013 Developmental Proseminar (PSYCH 240, with F. Xu and M. Srinivasan)

2008 – 2014 Professional Development for graduate students (PSYCH 293)

2012 Graduate seminar: The Developing Human Brain (PSYCH 290P)

2009 Developmental Proseminar (PSYCH 240, with F. Xu and F. Theunissen)

 Neurological Disorders in Famous Artists (PSYCH 128)

2008 The Developing Brain (PSYCH 125, UCB), Fall 2008

2007 Developmental Cognitive Neuroscience (PSYCH 192)

 Developmental Proseminar (PSYCH 240, with F. Theunissen and C. Hudson Kam)

 Faculty Sponsor, Brain and Medicine DeCal course

2003 – 2006 Cognitive Neuroscience (PSC 135, Bunge, UCD; 4 times)

2004 – 2006 Cognitive Neuroscience (PSC 261/NSC 223; co-instructor, UCD; 3 times)

***Guest lectures***

2023 Professional Development graduate seminar, UCB (Psych 292)

 Postbaccalaureate Psychology degree program, UCB

2020 Introduction to Cognitive Science, UCB (Cog Sci 1)

2019, 2020 Introduction to Brain Imaging Analysis Methods (Psych 115)

2017 UCSF Psychiatry Residents

2015 Introduction to Cognitive Science, UCB (Cog Sci 1)

2012, 2014 Cognitive proseminar: Lecture on Memory Development (Psych 290)

2012 T32 Training Grant, ‘Mental Illness: Core Principles, Mechanisms and

 Treatment Development’, UCB (Harvey)

2011 DeCal course for UC Berkeley Undergraduate Journal in Psychology

2010 Max Planck Institute in Human Development, seminar for LIFE fellows

2009 Instructor (20 hours total), Master Program in Cognitive Neuroscience,

 Psychology Department, University of Granada, Spain

2008 Riken Brain Science Institute Summer Lecture Course, “Developmental

 Foundations of Brain Function and Dysfunction”, Tokyo

2008 Pierce College, a community college in Los Angeles

 Social/Personality Proseminar (Chen, UCB; October)

 2 lectures, Graduate course in Cognitive Neuroscience, UCSF (Gazzaley)

2007 Developmental Psychology (Markson, UCB)

 Developmental Psychopathology (Zhao, UCB)

2006 Cognitive Neuroscience (Wojciulik, UCD)

2005 Medical school Neurobiology course (Kumari, UCD)

2003 Proseminar in Psychology (PSC 200; Goodman, UCD)

2002 Foundations of Human Memory and Learning (Wagner, MIT)

 Cognitive Neuroscience (Corkin, MIT)

2001 Developmental Cognitive Neuroscience (Shelton and Turner, Stanford)

* 1. Presentations on neuroscience in local public schools

**Supervision of Students and Postdoctoral Fellows**

***Graduate students***

***Current***

Elena Leib, Psychology

***Doctoral alumni***

Michael Souza, Psychology, 2009; Associate Professor, Department of Psychology,

 University of Toronto at Scarborough

Allyson Mackey, Neuroscience, 2012; Postdoctoral fellow at MIT, Assistant Professor at the University of Pennsylvania beginning in 2016

Kirstie Whitaker, Neuroscience, 2012: Postdoc at Cambridge University

Anna Luerssen, Psychology, 2013 (co-Advisor with Ozlem Ayduk); Assistant Professor at

 Lehman College, CUNY as of Summer 2013

Zdeña Op de Macks, Psychology, 2016 (co-Advisor with Ron Dahl); Postdoctoral fellow at

 the University of Oregon as of Summer 2016

Alison Miller Singley, Psychology, 2017

Chloe Green, School of Education, 2017 (secondary advisor, with Frank Worrell);

 Postdoctoral fellow in San Diego as of Summer 2017

Susan Whitfield-Gabrieli, Psychology, 2017 (reentry student)

Belén Guerra Carrillo, Psychology, 2018; Insight Data Science Fellow; Data Scientist at

 Grammarly

Maria Eckstein, Psychology (Secondary advisor)

Monica Ellwood-Lowe, Psychology (with Mahesh Srinivasan)

Willa Voorhies (with Kevin Weiner), Psychology & Helen Wills Neuroscience trainee

Smriti Mehta, Psychology

Doctoral fellowships:

Elena Leib: Berkeley Fellowship, 2018-2020

Monica Ellwood-Lowe: NSF Graduate Fellowship, started 07/2017; Berkeley Fellowship

Willa Voorhies: Neuroscience graduate training program; NSF Graduate Fellowship

Belén Guerra Carrillo: NSF Graduate Fellowship, started 07/2012

Allyson Mackey: NSF Graduate Fellowship, 07/2009-07/2012

Sarah Munro: NSF Graduate Fellowship, 07/2009-07/2012

Maria Eckstein: German Academic Exchange Service (DAAD) Predoctoral Fellowship

Alison Miller Singley: Research in Cognition and Mathematics Education Fellowship

Chloe Green: Research in Cognition and Mathematics Education Fellowship

Kirstie Whitaker: Fulbright Foundation Graduate Fellowship

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***Postdoctoral fellows***

***Current***

Katherine Alfred, Ph.D. from Dartmouth College. Co-advised with David Kraemer.

***Alumni***

Suvi Häkkinen, Ph.D. from University of Helsinki. Co-advised with Kevin Weiner. *Current position:* Research scientist, Feinberg Lab, UC Berkeley.

Elena Galeano Weber, Ph.D. from Goethe University in Frankfurt. *Subsequent position:* Postdoctoral fellow at Goethe University, Frankfurt.

Ariel Starr, Ph.D. from Duke University. Postdoctoral NRSA Fellow. *Subsequent position:* Assistant Professor at University of Washington

Wei-Chun Wang, Ph.D. from Duke University. *Subsequent position:* Data scientist at Kaiser Permanente.

Michael Vendetti, Ph.D. from UCLA. 2013-2015. *Subsequent position: Research analyst at Oracle.*

Carter Wendelken, Ph.D. from UC Berkeley. Postdoctoral fellow, 2003-2008; Staff research associate, 2008-2016. *Subsequent position: Staff research scientist at Vicarious*.

Yana Fandakova, Ph.D. from Max Planck Institute for Human Development. 2014-2016 (Co-mentors: Simona Ghetti and Silvia Bunge). *Subsequent position:*Research Scientist at Max Planck Institute for Human Development

Chris Blais, Ph.D. from University of Waterloo. NSERC Postdoctoral Fellowship from Canadian government. 2008-2010. *Subsequent position: Assistant Research Professor at Arizona State University.*

Elizabeth O’Hare, Ph.D. from UCLA. 2008-2010. *Subsequent position: Program Officer, Board on Higher Education and Workforce, National Academies of Science.*

Eveline Crone, Ph.D. from the University of Amsterdam. Postdoctoral Fellow 2003-2005. *Subsequent position:*Full Professor at Leiden University, the Netherlands

***Visiting scholars***

Paulo Laurence, Social and Cognitive Neuroscience Laboratory and Developmental Disorders Program, Center for Health and Biological Sciences, Mackenzie Presbyterian University, São Paulo, Brazil. (remote due to the pandemic).

Natália Mota, Ph.D. student at the University of Natal, Brazil. 2-week residence in the lab.

Agnes Wiberg, Exchange student from Lund University in Sweden

Patricia Christian, Master’s student at Ludwigs-Maximilians-University in Munich. 3-month residence in the lab funded by a GEO Partner Programm from LMU (2016)

Lucia Magis Weinberg, Ph.D. student at University College London. 3-month residence in lab funded by a Bogue Fellowship from UCL (2016)

Martina Stüder, Ph.D. from University of Berne. Funded by Swiss National Science Foundation Postdoctoral Fellowship. (2015-2016).

Garvin Brod, Ph.D. 3-month & 1-month residences in lab funded by the German Academic Exchange Service (DAAD). Now an Assistant Professor at the Goethe University in Frankfurt

Nils Nyberg, Exchange student from Lund University in Sweden

Maria Eckstein, Master’s student at Ludwigs-Maximilians-University in Munich

Zdeña Op de Macks, Master’s student at Leiden University

***Sabbatical visitors***

Prof. Yuko Munakata (University of Colorado at Boulder)

Prof. Pio Tudela (University of Granada)

***Lab managers/research assistants***

Sophia Baia (Graduate student at Arizona State University), Heather Anderson (Graduate student at University of Oregon), Jesse Niebaum (NSF Graduate Fellow at CU-Boulder), Jordan Tharp (Graduate student at UC Berkeley), Maia Barrow, Susanna Hill, Chloe Green (Ph.D. from UC Berkeley); Samantha Wright; Carol Baym (Ph.D. from U Illinois), Sarah Donohue (Ph.D. from Duke University; Research Scientist at Max Planck Institute in Tübingen).

***Graduate Student Committee Membership***

*Qualifying Exam Committee Membership*

Falk Lieder, Neuroscience, UCB; Christopher Adalio, Psychology, UCB (Chair); Andrew Peckham, Psychology, UCB; Wren Thomas, Neuroscience, UCB; Kimberly Long, Neuroscience, UCB; Shawn Marks, Neuroscience, UCB; Kimberly Russo, Psychology, UCB; Joshua Sussman, School Psychology, School of Education, UCB; Amanda McKerracher, School Psychology, School of Education, UCB; Anna Luerssen, Psychology, UCB (Chair); Jenny Chai, Psychology, UCB (Chair); Linh Dang, Neuroscience, UCB (Chair); Drew Fagen, Neuroscience, UCB; Isaac Liao, Neuroscience, UCD; Chung-Hay Luk, Neuroscience, UCB; Benjamin Mullin, Psychology, UCB; Zdena Op de Macks, Psychology, UCB (Co-Chair); Stacey Seidel, Neuroscience, UCD; Shaun O’Grady, Psychology, UCB (Chair); Joe Winer, Psychology (Chair), UCB; Ruairidh Battleday, Neuroscience, UCB; Maria Eckstein, Psychology (Chair); Wan Chen Lin, Psychology (Chair); Megan Norr, Psychology (Chair); Yuan Meng, Psychology (Chair); Monica Ellwood-Lowe, Psychology, UCB (Chair); Molly Lapoint, Neuroscience; UCB; Laura Henry, Psychology, UCB; Stephanie Haft, Psychology, UCB; Leana King, Neuroscience, UCB (Chair); Benjamin Parker, Neuroscience, UCB (Chair); Samira Maboudian, Neuroscience, UCB; Milena Rmus, Psychology, UCB; Smriti Mehta, Psychology, UCB; Ezra Mauer, Psychology, UCB; Maedbh King, Psychology, UCB; Uyanga Byambaa (Economics, UCB).

*Preliminary Written & Oral Exams*

Examiner for all 2nd-year graduate students in Neuroscience Program at UCD for 2004 and

2005. Approximately 30 students total, each participating in a 2-hour exam.

*Dissertation Committee Membership*

Christopher Adalio, Psychology, UCB; Jamil Bhanji, Psychology, UCD; Robert Blumenfeld, Psychology, UCD; Maya Cano, Neuroscience, UCB; Jenny Chai, Psychology, UCB; Lina Haldar-Chopra, Education, UCB; Maria Eckstein, Psychology, UCB; Monica Ellwood-Lowe, Psychology, UCB (Co-Chair); Kate Frankel, Education, UCB; Chloe Green, School Psychology, UCB; Anett Gyurak, Psychology, UCB; Laura Henry, Psychology, UCB; Nick Ichien, Psychology, UCLA; Bona Kang, Education, UCB; Heesoo Kim, Neuroscience, UCD; Leana King, Neuroscience, UCB; Maedbh King, Psychology, UCB; Molly Lapoint, Neuroscience; UCB; Isaac Liao, Neuroscience, UCD; Elena Leib, Psychology, UCB (Chair); Chung-Hay Luk, Neuroscience, UCB; Allyson Mackey, Neuroscience, UCB (Chair); Amanda McKerracher, School Psychology, School of Education, UCB; Smriti Mehta, Psychology, UCB; Yuan Meng, Psychology, UCB; Sarah Munro, Neuroscience, UCB (Chair); Zdena Op de Macks, Psychology, UCB (Co-Chair); Megan Norr, Psychology, UCB; Andrew Peckham, Psychology, UCB; Jennifer Pearlstein, Psychology, UCB; Anne Richards, Neuroscience, UCD; Milena Rmus, Psychology, UCB; Stacey Seidel, Neuroscience, UCD; Michaela Simpson, Psychology, UCB; Michael Souza, Psychology, UCB (Chair); Willa Voorhies, Psychology, UCB; Bong Walsh, Neuroscience, UCD; Kirstie Whitaker, Neuroscience, UCB (Chair).

*Reader for Master’s Degrees*

Brian Waismeyer, Psychology, UCB; Paul Meinz, Psychology, UCB; Benjamin Mullin, Psychology, UCB; Meghan Miller, Psychology, UCB (Master’s thesis); Ezra Mauer, Psychology, UCB

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*Undergraduate Honor's students*(a subset of all undergraduate research assistants)

Ethan Willbrand (co-advised with Kevin Weiner; Swan Award; Departmental Citation Award to the top undergraduate in Psychology in 2021), Jewelia Yao (co-advised with Kevin Weiner; Departmental Citation Award to the top undergraduate in Psychology in 2020; Swan Award), Lara Taniguchi, Gowri Swamy, Jeffrey Crawford, Bryan Wu (co-advised with Dr. Elysa Marco at UCSF), Orly Perlstein (Warner Brown Award for top undergraduate thesis in Psychology at UCB, 2014), Sally Bae, Layne Bernstein, Connor Lemos, Natalie De Shetler, Sasha Gupta, Justin Louie, Mehdi Bouhaddou, Sandeep Sahblock, Bryan Matlen, Michael Souza, Madeleine Bernstein (secondary advisor), Emily Kleinfelder.