

Sabine Doebel

Curriculum Vitae

Position: Postdoctoral Fellow
Address: Department of Psychology and Neuroscience
University of Colorado Boulder
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Education

Research Interests

Postdoc University of Colorado Boulder, 2014 - present
Department of Psychology and Neuroscience
Advisor: Yuko Munakata

Ph.D. University of Minnesota, 2014
Institute of Child Development
Advisors: Philip D. Zelazo, Melissa A. Koenig

B.A. York University, 2001
Department of Psychology

Development of executive control, logical thought, and social reasoning; social and conceptual influences on developing higher cognition; cross-cultural differences in executive control and reasoning; language and thought

Grants and Awards

2014-2017 **Ruth L. Kirschstein NRSA individual postdoctoral fellowship**
Relations Between Transitions in Private Speech and Proactive Control
National Institute of Child Health and Human Development (F32HD079191)
Total amount awarded: \$158,374

2013 **Small Grant Award**, Institute of Child Development, University of Minnesota (\$1,200)

2012 **Doctoral Dissertation Travel Award**, University of Minnesota Graduate School (\$1,200)

2012 – 2013 **Doctoral Dissertation Fellowship**, University of Minnesota Graduate School (\$25,000)

2010 – 2012 **Ruth L. Kirschstein NRSA institutional predoctoral fellowship**
Interdisciplinary Training Program in Cognitive Science
National Institute of Child Health and Human Development (5T32HD007151)
Total amount awarded: \$102,138

Peer-reviewed Publications

- Doebel, S.**, Dickerson, J. P., Hoover, J. D., & Munakata, Y. (in press). Using language to get ready: Labels help children engage proactive control. *Journal of Experimental Child Psychology*.
- Doebel, S.**, Michaelson, L. E., & Munakata, Y. (in press). Beyond personal control: The role of developing self-control abilities in the behavioral constellation of deprivation. Invited commentary to appear in *Brain and Behavioral Sciences*.
- Doebel, S.**, Andersen-Green, C., & Munakata, Y. (in press). Talking to ourselves to engage control? Testing developmental relations between self-directed speech, cognitive control and talkativeness. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.
- Doebel, S.**, Barker, J., Chevalier, N., Michaelson, L., Fisher, Anna V. & Munakata, Y. (2017). Getting ready to use control: Advances in the measurement of young children's use of proactive control. *PLOS ONE*. 12 (4), e0175072
- Doebel, S.** & Zelazo, P. D. (2016). Seeing conflict and engaging control: Experience with contrastive language benefits executive function in preschoolers. *Cognition*, 157, 219-226.
- Doebel, S.**, Rowell, S. F., Koenig, M. A. (2016). Young children detect and avoid logically inconsistent sources: The importance of communicative context and executive function. *Child Development*, 87, 1956–1970.
- Doebel, S.** & Zelazo, P. D. (2015). A meta-analysis of the Dimensional Change Card Sort: Implications for developmental theories and the measurement of executive function in children. *Developmental Review*, 38, 241-268.
- Doebel, S.** & Zelazo, P. D. (2013). Bottom-up and top-down dynamics in young children's executive function: labels aid 3-year-olds' performance on the Dimensional Change Card Sort. *Cognitive Development*, 28, 222-232.
- Doebel, S.** & Koenig, M. A. (2013). Children's use of moral behavior in selective trust: Discrimination versus learning. *Developmental Psychology*, 49, 462-469.
- O'Byrne, M.R., Sing Au, K., Morrison, A.C., Lin, J., Fletcher, J., Ostermaier, K.K., Tyerman, G., **Doebel, S.**, & Northrup, H. (2010). Association of folate receptor (folr1, folr2, folr3) and reduced folate carrier (slc19a1) genes with meningomyelocele. *Birth Defects Research*, 88, 689-694.
- Sing Au, K., Tran, P., Tsai, C., O'Byrne, M., Lin, J., Morrison, A., Hampson, A., Cirino, P., Fletcher, J., Ostermaier, K., Tyerman, G., **Doebel, S.**, & Northrup, H. (2008). Characteristics of a spina bifida population including North American Caucasian and Hispanic individuals. *Birth Defects Research*, 82, 692-700.

Manuscripts Under Review or in Preparation

- Doebel, S.** & Munakata, Y. Group influences on self-control: Children delay gratification and value it more when their in-group delays and their out-group doesn't. Under revised review, *Psychological Science*.

Doebel, S. Kim, A., Miyake, A., & Munakata, Y. Talking to ourselves to engage control? Testing developmental relations between self-directed speech, cognitive control and talkativeness. Manuscript in preparation.

Doebel, S., Kim, A., Miyake, A., & Munakata, Y. Relations between developmental transitions in proactive control and self-directed speech. Manuscript in preparation.

Munakata, Y., Yanaoka, K., **Doebel, S.**, Guild, R., Michaelson, L., & Saito, S. Group influences on Japanese children's self-control. Manuscript in preparation.

Book Chapters

Zelazo, P. D. & **Doebel, S.** (2015). The role of reflection in promoting adolescent self-regulation. In G. Oettingen & P. Gollwitzer (Eds.), *Self-regulation in adolescence*. Cambridge University Press.

Koenig, M. A., & **Doebel, S.** (2013). Young children's understanding of unreliability: Evidence for a negativity bias. In M.R. Banaji & S.A. Gelman (Eds.), *Navigating the social world: What infants, children, and other species can teach us*. New York: Oxford University Press.

Corrow, S. L., Cowell, J., **Doebel, S.**, & Koenig, M. A. (2012). How children understand and use other people as sources of knowledge: Children's selective use of testimony. In A. Pinkham, T. Kaefer & S. Neuman (Eds.), *Knowledge development in early childhood*. New York: Guilford Press.

Chaired Symposia

Doebel, S. (2017, Chair). *The Interaction of executive function and knowledge in the preschool years*. Symposium to be conducted at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, TX.

Doebel, S., Barker, J. E. (2015, Chairs). *New directions in research exploring links between executive function and experience*. Symposium conducted at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.

Doebel, S., Koenig, M. A. (2015, Chairs). *New insights into relations between conceptual development and executive function*. Symposium conducted at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.

Conference Papers

Doebel, S. & Munakata, Y. (2017, April). Social influences on self-control: Children delay gratification when their group does. In S. Doebel (Chair), *The Interaction of executive function and knowledge in the preschool years*. Symposium to be conducted at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, TX.

Doebel, S. & Zelazo, P. D. (2015, March). The role of language in the development of conflict detection and executive function: A training study. In S. Doebel and J. Barker (Chairs), *New directions in research exploring links between executive function and experience*. Symposium conducted at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.

Doebel, S., Rowell, S., Koenig, M. A., & Zelazo, P. D. (2015, March). The relation between children's understanding of inconsistency and executive function in early childhood. In S. Doebel and M. Koenig (Chairs), S. Carey (Discussant), *New insights into relations between conceptual development and executive function*. Symposium conducted at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.

Doebel, S. & Zelazo, P. D. (2013, October). The role of conceptual knowledge in the development of executive function in early childhood. Paper presented at the 2013 Biennial Meeting of the Cognitive Development Society, Memphis, TN.

Doebel, S. & Zelazo, P. D. (2012, June). Conceptual knowledge and the development of cognitive control in early childhood. Paper presented at the 42nd Annual Meeting of the Jean Piaget Society, Toronto, Canada.

Doebel, S. & Zelazo, P. D. (2011, June). Insights into executive function in early childhood: A meta-analysis of the dimensional change card sort. Paper presented at the 41st Annual Meeting of the Jean Piaget Society, Berkeley, CA.

Koenig, M. A., & **Doebel, S.** (2011). Evidence for a positive-negative asymmetry in children's selective trust. In M. Koenig & V. Jaswal (Chairs), A. Woodward (Discussant), *The Nature of the Negativity Bias in Development: Emotional Expressions, Face Memory and Selective Trust*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.

Invited Talks

Doebel, S. (2016, February). Social influences on executive functions. Department of Cognitive Sciences, University of California Irvine.

Doebel, S. (2016, November). Social influences on executive functions. Department of Psychology, University of Toronto Mississauga.

Doebel, S. (2016, September). Social influences on executive functions. Postdoctoral Research Symposium, University of Colorado Boulder.

Doebel, S. (2014, December). The role of language in the development of executive function. Department of Psychology and Neuroscience, University of Colorado Boulder.

Conference Posters

Doebel, S. & Munakata, Y. (2017, October). Using language to get ready: Familiar labels help children engage proactive control. Poster to be presented at the Biennial Meeting of the Cognitive Development Society, Portland, OR.

Doebel, S., Andersen-Green, C., & Munakata, Y. (2017, July). Talking to ourselves to engage control? Testing developmental relations between self-directed speech, cognitive control and talkativeness. Poster presented at the 39th Annual Meeting of the Cognitive Science Society, London, UK.

Doebel, S., Barker, J., Chevalier, N., Michaelson, L. & Munakata, Y. (2015, October). Getting

ready to use control: Advances in measuring a key developmental transition in how children engage executive function. Poster presented at the Biennial Meeting of the Cognitive Development Society, Columbus, Ohio.

Zelazo, P. D. & **Doebel, S.** (2014, June). The role of negation in flexible rule use. Paper presented at the 44th Annual Meeting of the Jean Piaget Society. San Francisco, CA.

Doebel, S. & Zelazo, P. D. (2013, April). Bottom-up and top-down dynamics in young children's executive function: Effects of labeling on the dimensional change card sort. Poster presented at the 2013 Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

Doebel, S. & Zelazo, P. D. (2012, May). Bottom-up influences of language on executive function: Labeling helps and hinders performance on the DCCS. Poster presented at the Convention of the Association for Psychological Science, Chicago, Illinois.

Doebel, S. & Koenig, M. A. (2011, April). Children's use of moral information to assess a speaker's testimony: evidence for a negativity bias. Poster presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, QC.

Doebel, S., Koenig, M. A. & Rowell, S. (2011, April). Young children detect logical inconsistency. Poster presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, QC.

Jaswal, V., Koenig, M. A. & **Doebel, S.** (2011, April). Evidence for a positive-negative asymmetry in children's selective trust. Paper presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, QC.

Dennis, M., Cirino, P., **Doebel, S.**, Jewell, D., & Fletcher, J. (2009, March). Reaction time in younger and older adults with spina bifida. Poster presented at the First World Congress on Spina Bifida Research and Care, Florida.

Doebel, S. & Astington, J. W. (2009, June). If you say it, you have to do it: Children's understanding of the concept of promising. Poster presented at the Canadian Psychological Association 70th Annual Convention, Montreal, QC.

Doebel, S. & Astington, J. W. (2009, October). Psychological and deontic concepts in children's understanding of promising. Poster presented at the Sixth Biennial Meeting of the Cognitive Development Society, San Antonio, TX.

Media

"New research shows that preschoolers detect logical inconsistencies." Steve Baker, July 13, 2016. *CEHD News*. <http://news.cehd.umn.edu/new-research-shows-that-preschoolers-can-detect-logical-inconsistencies/>

"Even a four-year-old can tell when you're contradicting yourself (and now they won't trust you)." Christian Jarrett, July 4, 2016. *The British Psychological Society Research Digest*. <https://digest.bps.org.uk/2016/07/04/even-a-four-year-old-can-tell-when-youre-contradicting-yourself-and-now-they-wont-trust-you/>

Professional Societies

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

Teaching

Teaching Interests and Competencies

Developmental psychology; cognitive development; cognitive psychology; general psychology; research methods; research ethics; language and cognition; language development; executive functions; social cognition; social and cognitive processes;

Course Taught

Introduction to Child Psychology (co-instructor with S. Stellern), 2012

Guest Lectures

Brain and Cognitive Development (undergraduate): Critical thinking, 2016
 Cognitive Development (undergraduate): Infant Cognition, Moral Reasoning, 2013
 Infancy Development (undergraduate): Cognitive Development (4 lectures), 2013
 Graduate Proseminar in Cognition, Brain, and Behavior: Language and Thought, 2012
 Cognitive Development (undergraduate): Moral Reasoning, 2012
 Cognitive Development (undergraduate): Folk Knowledge (2 lectures), 2011
 Language Development (undergraduate): Language and Thought (2 lectures), 2010

Teaching Assistance

Children and Youth in Society (Instructor: J. Wenner), 2014
 Research Methods in Psychology (Instructor: C. Karatekin), 2010, 2014
 Infancy Development (Instructor: A. Yonas), 2013
 Research Methods (Instructors: S. Kuo and W. Lee), 2012
 Senior Research Project (Instructor: S. Spence), 2012
 Cognitive Development (Instructor: P. D. Zelazo), 2011, 2012
 Cognitive Development (Instructor: S. M. Carlson), 2011
 Language Development (Instructor: M. A. Koenig), 2010

Training in Teaching

Seminar on Teaching Developmental Psychology, 2011
 Teaching Apprenticeship, 2012

Ad Hoc Reviewer for

Child Development; Developmental Psychology; Developmental Science; Journal of Experimental Child Psychology; PLOS ONE, Mind, Brain, and Education; Psychological Science; Cognitive Science Society; SRCD Dissertation Awards; SRCD Biennial Meeting

Undergraduate Mentoring

Honors thesis postdoctoral mentor to Cleo Andersen-Green (CU Boulder), 2017-2018
 Honors thesis postdoctoral mentor to Marina Blum (CU Boulder), 2016-2017
 Honors thesis postdoctoral mentor to Morgan Blaker (CU Boulder), 2015-2016

REU Program graduate student mentor to Lourdes Reyes (U Puerto Rico), 2011
REU Program graduate student mentor to Sheina Rowell (Florida Atlantic U), 2010

Service

Female Postdoc Meeting Co-organizer, 2014 – 2016
Research Committee, Institute of Child Development, 2012 – 2014
Academic Atmosphere (Social Committee), Center for Cognitive Sciences, 2013 – 2014
Chair, Center for Cognitive Sciences Spring Research Day Committee, 2012 – 2013
Student Representative, Center for Cognitive Sciences Executive Council, 2011 – 2013
Co-chair, Center for Cognitive Sciences Spring Research Day Committee, 2011 – 2012
Institute of Child Development Visiting Colloquia Committee, 2009 – 2011
Center for Cognitive Sciences Colloquia Committee, 2010 – 2011
Council of Graduate Students Department Representative, 2009