

## Sabine Doebel

### Curriculum Vitae

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

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

### Research Interests

Social influences on the development of higher cognitive processes (e.g., executive control; logical and social reasoning); individual and cross-cultural differences in executive control and reasoning; language and thought; development in context.

### 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.,** 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.,** Dickerson, J. P., Hoover, J. D., & Munakata, Y. (2017). Using language to get ready: Labels help children engage proactive control. *Journal of Experimental Child Psychology*.
- Doebel, S.,** Andersen-Green, C., & Munakata, Y. (2017). Talking to ourselves to engage control? Testing developmental relations between self-directed speech, cognitive control and talkativeness. *Proceedings of the 39<sup>th</sup> Annual Meeting of the Cognitive Science Society*.
- Doebel, S.,** Barker, J., Chevalier, N., Michaelson, L., Fisher, A. 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 (minor edits requested), *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. Kafer & 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 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 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 42<sup>nd</sup> 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 41<sup>st</sup> 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 44<sup>th</sup> 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 70<sup>th</sup> 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