

**Emily Hembacher**  
Department of Psychology  
450 Serra Mall  
Stanford, CA 94305  
emily.hembacher@gmail.com

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### **Education, Training and Experience**

- 2015-present     Stanford University
- Postdoctoral Research Associate
  - Advisor: Michael C. Frank
- 2009-2015     University of California, Davis
- Ph.D. 2015
  - Advisor: Simona Ghetti
- 2008-2009     University of California, Los Angeles  
Body Dysmorphic Disorder Research Laboratory
- Research Assistant
  - Supervisor: Jamie Feusner, M.D.
- 2003-2007     University of California, San Diego
- B.S. Psychology

### **Awards**

- UC Davis Provost's Dissertation Year Fellowship, July 2014 - July 2015
- UC Davis Graduate Studies Travel Award, December 2014
- UC Davis Psychology Department Dukes Travel Award, March 2014
- UC Davis Psychology Department Annual Conference Award for 2<sup>nd</sup> Place Talk, May 2013
- Society for Research in Child Development (SRCD) Student Travel Award, March 2013

### **Professional Service**

- Ad hoc reviewer, *Child Development*; *Cognitive Development*; *Consciousness and Cognition*; *Developmental Psychology*; *Mind, Brain and Education*

### **Publications**

#### ***Journal Articles***

**Hembacher, E., & Ghetti, S. (2016).** Subjective experience guides betting decisions beyond accuracy: Evidence from a metamemory illusion. *Memory*, 1-11.

**Hembacher, E., & Ghetti, S. (2014).** Don't look at my answer: Subjective uncertainty underlies preschoolers' exclusion of their least accurate memories. *Psychological Science*, 25, 1768-1776.

- Coughlin, C.A., **Hembacher, E.**, Lyons, K., & Ghetti, S. (2014). Introspection on uncertainty and judicious help-seeking during the preschool years. *Developmental Science, 18*, 957-71.
- Destan, N., **Hembacher, E.**, Ghetti, S., & Roebbers, C.M. (2014). Early metacognitive abilities: The interplay of monitoring and control processes in 5- to 7-year-old children. *Journal of Experimental Child Psychology, 126*, 213-228.
- Hembacher, E.**, & Ghetti, S. (2013). How to bet on a memory: Developmental linkages between subjective recollection and decision making. *Journal of Experimental Child Psychology, 115*, 436-452.
- Ghetti, S., **Hembacher, E.**, & Coughlin, C. (2013). Feeling uncertain and acting on it during the preschool years: A metacognitive approach. *Child Development Perspectives, 7*, 160-165.
- Bohon, C., **Hembacher, E.**, Moller, H., Moody, T. D., & Feusner, J. D. (2012). Nonlinear relationships between anxiety and visual processing of own and others' faces in body dysmorphic disorder. *Psychiatry Research: Neuroimaging, 204*, 132-139.
- Feusner, J. D., **Hembacher, E.**, Moller, H., & Moody, T. D. (2011). Abnormalities of object visual processing in body dysmorphic disorder. *Psychological Medicine, 41*, 2385-2397.
- Feusner, J. D., Moller, H., Altstein, L., Sugar, C., Bookheimer, S., Yoon, J., & **Hembacher, E.** (2010). Inverted face processing in body dysmorphic disorder. *Journal of Psychiatric Research, 44*, 1088-1094.
- Feusner, J. D., Moody, T., **Hembacher, E.**, Townsend, J., McKinley, M., Moller, H., & Bookheimer, S. (2010). Abnormalities of visual processing and frontostriatal systems in body dysmorphic disorder. *Archives of General Psychiatry, 67*, 197-205.
- Feusner, J. D., **Hembacher, E.**, & Phillips, K. A. (2009). The mouse who couldn't stop washing: Pathologic grooming in animals and humans. *CNS Spectrums, 14*, 503-513.

### ***Refereed Conference Proceedings***

- Hembacher, E.**, deMayo, B., & Frank, M.C. (2017). Children's social referencing reflects sensitivity to graded uncertainty. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*.
- Hembacher, E.**, & Frank, M.C. (2016). Measuring lay theories of parenting and child development. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*.

### ***Manuscripts under Review or in Preparation***

- Hembacher, E.**, & Ghetti, S. (2016). Uncertainty signals in toddlers' decision making. *Manuscript under review*.

**Hembacher, E.,** Cristiano, V., & Frank, M.C. (2016). Effects of electronically-delivered parenting advice on parent-child interactions. *Manuscript in preparation.*

**Hembacher, E.,** & Frank, M.C. (2017). Selective social referencing under uncertainty in the preschool years. *Manuscript in preparation.*

### **Conference Presentations**

#### ***Symposia Organized***

**Hembacher, E., (Chair).** *Origins of metacognition: How young children learn to reflect on their knowledge states.* (March 2015). Paper symposium at the Society for Research in Child Development Conference, Philadelphia, Pennsylvania.

#### ***Talks***

**Hembacher, E.,** DeMayo, B., & Frank, M.C. (July 2017). Children's social referencing reflects sensitivity to graded uncertainty. Presented at the Cognitive Science Society Annual Conference, London, UK.

**Hembacher, E.,** & Frank, M.C. (August 2016). Children's selective social referencing during word learning. In *Active Learning: Cognitive development, education, and computational models*, preconference workshop at the Cognitive Science Society Annual Conference, Philadelphia, Pennsylvania.

**Hembacher, E.,** & Ghetti, S. (October 2015). Children's subjective judgments about their memories drive betting decisions beyond accuracy: Evidence from a metamemory illusion. In R. Magid (Chair), *Developing representations of the self.* Paper symposium at the Cognitive Development Society Biannual Meeting, Columbus, Ohio.

**Hembacher, E.,** & Ghetti, S. (March 2015). The road to introspection: How do toddlers learn to reflect on uncertainty? In **E. Hembacher** (Chair), *Origins of metacognition: How young children learn to reflect on their knowledge states.* Paper symposium at the Society for Research in Child Development Conference, Philadelphia, Pennsylvania.

**Hembacher, E.,** & Ghetti, S. (May 2013). Uncertainty monitoring in the preschool years. Paper presented at the UC Davis Psychology Department Annual Conference, Davis, California.

**Hembacher, E.,** & Ghetti, S. (March 2013). Betting on memories: The emergence of the connection between subjective recollection and decision making. In N. Ofen (Chair), *What is Memory Development the Development of: New Insights After Three Decades.* Paper symposium at the Society for Research in Child Development Conference, Philadelphia, Pennsylvania.

#### ***Poster Presentations***

**Hembacher, E., & Frank, M.C.** (August 2016). Measuring lay theories of parenting and child development. Poster presented at the Cognitive Science Society Annual Conference, Philadelphia, Pennsylvania.

**Hembacher, E., & Ghetti, S.** (March 2015). Subjective recollection and decision-making in middle childhood: Evidence from a metacognitive illusion. Poster presented at the Society for Research in Child Development Conference, Philadelphia, Pennsylvania.

**Hembacher, E., & Ghetti, S.** (October 2014). Subjective recollection guides decision-making: Evidence from a metacognitive illusion. Poster presented at the California Consciousness Conference in Davis, California.

**Hembacher, E., & Ghetti, S.** (October 2013). Preschoolers' awareness of their memory states: The emergence of metamemory monitoring. Poster presented at the Cognitive Development Society Biannual Meeting, Memphis, Tennessee.

**Hembacher, E., Paz-Alonso, P.M., Gallego, P., Ghetti, S.** (March, 2011). Encoding the gist: Neurodevelopmental correlates of false memories. Poster presented at the Society for Research in Child Development Conference, Montreal, Canada.

## **Teaching**

### ***Guest Lectures***

Cognitive Development, Spring 2017, Stanford, Professor Hyowon Gweon

Developmental Psychology, Fall 2016, Stanford, Professor Michael C. Frank

Developmental Psychology, Spring 2013, UC Davis, Professor Katherine Graf-Estes

Cognitive Development, Fall 2012, UC Davis, Professor Tracy Nishida

### ***Teaching Assistantships***

Cognitive Development, Spring 2014, UC Davis, Professor Katherine Gibbs

Social and Personality Development, Winter 2014, UC Davis, Professor Katherine Gibbs

Developmental Psychology, Spring 2013, UC Davis, Professor Katharine Graf-Estes

Cognitive Development, Winter 2013, UC Davis, Professor Katharine Graf-Estes

Cognitive Development, Fall 2012, UC Davis, Professor Tracy Nishida

Social and Personality Development, Spring 2012, UC Davis, Professor Erin Sullivan

Developmental Psychology, Winter 2012, UC Davis, Professor Simona Ghetti

Memory Development, Fall 2010, UC Davis, Professor Simona Ghetti

Developmental Disorders, Spring 2010, UC Davis, Professor Susan Rivera

## ***Mentorship***

### *Independent Research Supervised*

Benjamin deMayo, Psychology Summer Intern, Stanford, 2016, Best Poster Award

Noelle Mastrili, Research presented at Undergraduate Research Conference, UC Davis, 2015

Katharine Cuyler, Undergraduate Honors Thesis, UC Davis, 2014, Highest Honors

### *Undergraduate Research Assistants Supervised*

*Stanford:* Benjamin deMayo, Molly Irvin

*UC Davis:* Denise Williams, Morgan Daffin, Jovian Lam, Antony Zaghoul, Wesley Gesinger, Nicole Lombard, Kirsten Halden, Taylor Boldt, Huanchun Chen, Trisha Perkins, Asami Miyawaki, Shireen Afkari, Makenna Huey, Gurjeet Sanghera, Samia Estrada, Dominick Carlson, Alison Kwok