

# PERNILLE HEMMER

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## PROFESSIONAL POSITIONS

- 2015- Executive Committee, Rutgers University Center for Cognitive Science  
2014- Associate member, Institute for Health, Health Care Policy, and Aging Research, Rutgers  
2012- Assistant Professor, Department of Psychology, Rutgers University  
2011-2012 Postdoctoral fellow, Syracuse University

## EDUCATION

- 2011 Ph.D. Psychology, University of California, Irvine  
2009 M.A. Psychology, University of California, Irvine  
2006 B.A. Psychology, University of California, Irvine - Summa cum Laude

## HONORS AND AWARDS

- 2016 Recipient, Association for Psychological Science Rising Star Award  
2015 Recipient, Women in Cognitive Science Mentoring Award  
2012 Recipient, Women in Cognitive Science Networking Travel Award  
Recipient, Society for Mathematical Psychology Post Doc Travel Award  
2011 Recipient, Society for Mathematical Psychology Post Doc Travel Award  
2010 Recipient, Graduate Dean's Dissertation Fellowship  
Recipient, Jean-Claude Falmagne Research Award  
2009 Recipient, John I. Yellott Scholar Award  
2008 Recipient, *Cognitive Science* best paper on modeling higher-level cognition

## RESEARCH GRANTS

### External

- 2016-2020 NSF supplement to NSF CAREER award 1453276. \$18,567. Role: PI  
2015-2020 NSF CAREER: *Applications of Bayesian Inference to Human Memory and Decision Making*. \$440,000. Award Id: 1453276. Role: PI  
2015-2018 NSF: *Bayesian Modeling of Situated Communicative Goals*. \$ 499,945. Award Id: 1526723. Role: Co-PI  
2013-2014 Rockefeller Philanthropy Advisors. *Priors and Memory Laboratory*. Role: PI

### Internal

- 2013-2014 Rutgers University Research Council Grant. *Updating Beliefs over Time*. Role: PI

## PROFESSIONAL AFFILIATIONS

- 2015- Organizing board member, Women in Mathematical Psychology  
2014- Advisory board member, Women in Cognitive Science  
2013- Board member, the Society of Mathematical Psychology  
2012- Women in Cognitive Science

- 2011- Women of Mathematical Psychology
- 2011- Fellow, Psychonomics Society
- 2009- Society for Mathematical Psychology
- 2008- Cognitive Science Society
- 2008- Association for Psychological Science

### **EDITORIAL POSITIONS**

- 2016- Associate Editor for Behavior Research Methods

### **PROFESSIONAL ACTIVITIES**

- 2017 Co-Organizer, Women of Mathematical Psychology Professional Development Workshop, Warrick, UK
- 2017-current Member, Rutgers University Department of Psychology, Business Office Hiring Committee
- 2016-current Member, Rutgers University Center for Cognitive Science (RuCCs) Web content committee
- 2016-current Member, Rutgers University Department of Psychology, Undergraduate Advising Committee
- 2016 Organizer, Annual Meeting of the Society for Mathematical Psychology, New Brunswick, NJ
- 2016 Co-Organizer, Women of Mathematical Psychology Professional Development Workshop, New Brunswick, NJ
- 2012-2016 Member, Honors Major in Psychology Committee
- 2015 Co-Organizer, Women of Mathematical Psychology Professional Development Workshop, Newport Beach, California
- Member, graduate admissions committee, Cognitive area
- 2014 Chair, Graduate requirements committee, Cognitive Psychology
- Co-Organizer, Women of Mathematical Psychology Symposium, Quebec City, Canada
- 2013-2014 Member, the Office for the Promotion of Women in Science, Engineering, and Mathematics (SciWomen) *faculty learning community*, Rutgers University
- 2013 Organizer, Women of Mathematical Psychology Symposium, Potsdam, Germany
- 2013 Participant, Women Take Flight Leadership workshop, Rutgers University
- 2013 Area Chair, graduate admissions committee, Department of Psychology, Rutgers
- 2012 Participant, the Office for the Promotion of Women in Science, Engineering, and Mathematics (SciWomen) OASIS Leadership & Professional Development Program, Rutgers University

### **AD-HOC REVIEWING**

#### **Journals**

*Cognition; Journal of Memory and Language; Psychonomic Bulletin and Review; Memory & Cognition; Cognitive Science; Cognitive Psychology; Journal of Forensic Psychology Practice; Journal of Mathematical Psychology; Journal of Cognitive Psychology; Journal of Experimental Psychology: Learning, Memory and Cognition; Quarterly Journal of Experimental Psychology; Behavior Research Methods; Neural Computation*

#### **Conferences/Organizations**

*Cognitive Science Society; French National Research Agency (ANR); The National Science Foundation (EPSCoR; Computational Cognition panel; Perception Action and Cognition)*

## CONSULTING ACTIVITIES

2016- NIEHS grant: *Impact of prenatal insecticide exposure on neurodevelopmental trajectories in a Thai birth cohort: building exposure science and neurodevelopmental research capacity in Thailand*. PI: Nancy Fiedler, Rutgers School of Public Health

## PUBLICATION LIST

(\* indicates undergraduate student, underline indicates graduate student)

### Journal Articles

Cox, G. E., Hemmer, P., Aue, W. R., & Criss, A. H. (invited revision). *Information and Processes Underlying Semantic and Episodic Memory Across Tasks, Items, and Individuals*.

Hemmer, P., Criss, A.H., Ahluwalia, D.\*, & Wall, D. (in review). *Distinctiveness Effects across Memory Tasks*.

Wang, L., Hemmer, P., & Leslie, A. (in review). *A Bayesian framework for the development of belief-desire reasoning: Estimating inhibitory power in low- and high-demand false belief*.

Trueblood, J. S. & Hemmer, P. (2016). The Generalized Quantum Episodic Memory Model. *Cognitive Science*, 1-37. doi: 10.1111/cogs.12460

Persaud, K. & Hemmer, P. (2016). The Dynamics of Fidelity over the Time Course of Long-Term Memory. *Cognitive Psychology*, 88, 1-21.

Hemmer, P., Tauber, S., & Steyvers, M. (2015). Moving beyond qualitative evaluations of Bayesian models of cognition. *Psychonomic Bulletin & Review*, 22, 614-628.

Hemmer, P. & Persaud, K. (2014). Interactions between Categorical Knowledge and Episodic Memory across Domains. *Frontiers in Psychology*, 5:584. doi: 10.3389/fpsyg.2014.00584.

Hemmer, P. & Criss, A. (2013). The Shape of Things to Come: Evaluating Word Frequency as a Continuous Variable in Recognition Memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 39, 1947-52. doi: 10.1037/a0033744

Hemmer, P. & Steyvers, M. (2009a). Integrating Episodic Memories and Prior Knowledge at Multiple Levels of Abstraction. *Psychonomic Bulletin & Review*, 16, 80-87.

Hemmer, P. & Steyvers, M. (2009b). A Bayesian Account of Reconstructive Memory. *Topics in Cognitive Science*, 1, 189-202.

Brown, S.D., Steyvers, M., & Hemmer, P. (2007) Modeling Experimentally induced Strategy Shifts. *Psychological Science*, 18, 40-45.

### Book Chapters

Steyvers, M. & Hemmer, P. (2012). Reconstruction from Memory in Naturalistic Environments. In Brian H. Ross (Ed), *The Psychology of Learning and Motivation*, (126-144). Elsevier Publishing

### Papers in refereed conference proceedings

Robbins, T. & Hemmer, P. (2017). *Explicit predictions for illness statistics*. In Gunzelmann, G., Howes, A., Tenbrink, T., & Davelaar, E. (Eds.), *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. London, UK: Cognitive Science Society.

Persaud, K., McMahan, B., Alikhani, M., Pei, K.\*, Hemmer, P., & Stone, M. (2017). When is Likely Unlikely: Investigating the Variability of Vagueness. In Gunzelmann, G., Howes, A., Tenbrink, T., & Davelaar, E. (Eds.), *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. London, UK: Cognitive Science Society.

Ahluwalia, A.\*, Hemmer, P., & Persaud, K. (2017). The influence of pop-culture on misattribution of memory. In Gunzelmann, G., Howes, A., Tenbrink, T., & Davelaar, E. (Eds.), *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. London, UK: Cognitive Science Society.

Hemmer, P., Persaud, K., Kidd, C., & Piantadosi, S. (2015). Shifting priors: Evaluating the cross-cultural influence of color expectations on episodic memory. In Noelle, D. C., Dale, R., Warlaumont, A. S., Yoshimi, J., Matlock, T., Jennings, C. D., & Maglio, P. P. (Eds.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society* (pp 896-901). Austin, TX: Cognitive Science Society. <https://mindmodeling.org/cogsci2015/papers/0161/paper0161.pdf>

Macias, C.\*, Yung, A.\*, Hemmer, P., & Kidd, C. (2015). Memory strategically encodes externally unavailable information. In Noelle, D. C., Dale, R., Warlaumont, A. S., Yoshimi, J., Matlock, T., Jennings, C. D., & Maglio, P. P. (Eds.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society* (pp 1458-1463). Austin, TX: Cognitive Science Society. <https://mindmodeling.org/cogsci2015/papers/0255/paper0255.pdf>

Persaud, K. & Hemmer, P. (2014). The influence of knowledge and expectations for color on episodic memory. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp 1162-1167). Quebec City, CA: Cognitive Science Society. <https://mindmodeling.org/cogsci2014/papers/206/>

Hemmer, P., Persaud, K., Venaglia, R.\*, & DeAngelis, J.\* (2014). What's your source: Evaluating the effects of context in episodic memory for objects in natural scenes. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp 2765-2770). Quebec City, CA: Cognitive Science Society. <https://mindmodeling.org/cogsci2014/papers/478/>

Robbins, T., Hemmer, P., & Tang, Y.\* (2014). Bayesian Updating: A Framework for Understanding Medical Decision Making. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp1299-1304). Quebec City, CA: Cognitive Science Society. <https://mindmodeling.org/cogsci2014/papers/229/>

Hemmer, P., Steyvers, M., & Miller, B. (2010). The Wisdom of Crowds with Informative Priors. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp 1130-1135). Austin, TX: Cognitive Science Society. <http://www.cognitivesciencesociety.org/cogsci-archival-conference-information/>

Hemmer, P. & Steyvers, M. (2009c). Integrating Episodic and Semantic Information in Memory for Natural Scenes. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31th Annual Conference of the Cognitive Science Society* (pp. 1557-1562). Austin, TX: Cognitive Science Society.

Steyvers, M., Lee, M.D., Miller, B., & Hemmer, P. (2009d). The Wisdom of Crowds in the Recollection of Order Information. In J. Lafferty, C. Williams (Eds.) *Advances in Neural Information Processing Systems*, 23. MIT Press.

Miller, B., Hemmer, P. Steyvers, M. & Lee, M.D. (2009e) The wisdom of crowds in rank ordering tasks. *Proceedings of the 9th International Conference of Cognitive Modeling*.

Hemmer, P. & Steyvers, M. (2008). A Bayesian Account of Reconstructive Memory. In V. Sloutsky, B. Love, and K. McRae (Eds.) *Proceedings of the 30th Annual Conference of the Cognitive Science Society*. Mahwah, NJ: Lawrence Erlbaum

### **Published Abstracts**

Persaud, K. & Hemmer, P. (2016). Time Course of Fidelity and Contributing Factors to Long-Term Memory [Abstract]. In A. Papafragou, D. Grodner, D. Mirman, & J.C. Trueswell (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. Austin TX: Cognitive Science Society.

Robbins, T. & Hemmer, P. (2016). Optimal Predictions in Illness Cognition [Abstract]. In In A. Papafragou, D. Grodner, D. Mirman, & J.C. Trueswell (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. Austin TX: Cognitive Science Society.

Aue, W., Hemmer, P. & Criss, A. (2013). A Bayesian Analysis of Bias in Single Item Recognition for Continuous Word frequency [Abstract]. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.) *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (p. 3873). Austin TX: Cognitive Science Society.

Hemmer, P., Shi, J. & Steyvers, M. (2010). The influence of Real World Knowledge on Recall for Height [Abstract]. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (p. 2402). Austin, TX: Cognitive Science Society.

### **In Revision & Preparation**

Hemmer, P., Miller, B., & Steyvers, M. (*in revision*). Assessing the Contribution of Prior Knowledge to Memory for Scripted Events.

Robbins, T. & Hemmer, P. (*in revision*). Optimal Predictions in Illness Cognition.

Persaud, K. & Hemmer, P. (*in prep*). Guess Again: Evaluating the role of prior knowledge and random guessing in long-term memory.

Persaud, K. & Hemmer, P. (*in prep*). Role of the Environment on Perceptual Memory of Color

Persaud, K., Hemmer, P., & Gayer (*in prep*). Models of Visual Working and Long-Term Memory of Color

Persaud, K., McMahan, B., Alikhani, M., Pei, K.\*, Hemmer, P., & Stone, M. (*in prep*). Categorical Flexibility in Vague Domains

Robbins, T., Hemmer, P., & Tang, Y.\* (*in prep*). Memory and Prediction in Changing Environments.

Wall, D., Chapman, G., Monga, A., Hemmer, P. (*in prep*). Extending the Entanglement of Risk and Time.

### **Presentations at conferences and meetings**

(\* indicates undergraduate student, underline indicates graduate student, unless otherwise indicated by italics first author was the presenter).

2017 Ahluwalia, D.\*, Persaud, K., & Hemmer, P. (2017, May). *Pop-culture exerts a strong influence on misattribution of memory*. Poster given at Annual Meeting of Association for Psychological Science, Boston, MA.

Robbins, T. & Hemmer, P. (2017, May). *People Hold Explicit Beliefs about Distributional Forms of Illness Durations*. Poster given at Annual Meeting of Association for Psychological Science, Boston, MA.

2016 Hemmer, P. & Robbins, T. (2016, November). *Optimal Predictions in Illness Cognition*. Talk given at the Annual Meeting of the Psychonomic Society, Boston, MA.

Criss, A.H., Cox, G., Aue, W., Wilson, J., & Hemmer, P. (2016, November). *Toward a Comprehensive Account of Memory Across Items, Tasks, and Individuals*. Talk given at the Annual Meeting of the Psychonomic Society, Boston, MA.

Persaud, K. & Hemmer, P. (2016, November). *Does Prior Knowledge Influence the Fragility of Associations in Memory?* Poster given at the Annual Meeting of the Psychonomic Society, Boston, MA.

Wall, D., Hemmer, P. & Chapman, G. (2016, November). *Integrating Time and Risk in Decision Making*. Poster given at the Annual Meeting of the Psychonomic Society, Boston, MA.

- Wall, D., Hemmer, P., Chapman, G. (2016, November). *Integrating Risk and Time*. Poster given at the Annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- Persaud, K. & Hemmer, P. (2016, August). *Time Course of Fidelity and Contributing Factors to Long-Term Memory*. Poster presented at the 38th Annual Conference of the Cognitive Science Society. Philadelphia, PA.
- Robbins, T. & Hemmer, P. (2016, August). *Optimal Predictions in Illness Cognition*. Poster presented at the 38th Annual Conference of the Cognitive Science Society. Philadelphia, PA.
- Hemmer, P. & Persaud, K. (2016, August). *Does Prior Knowledge Influence the Fragility of Associations in Memory?* Talk given at Annual Meeting of the Society for Mathematical Psychology, New Brunswick, NJ.
- Persaud, K., Hemmer, P., & Ahluwalia, D\*. (2016, August). *Does Prior Knowledge Influence the Fragility of Associations in Memory?* Poster given at Annual Meeting of the Society for Mathematical Psychology, New Brunswick, NJ.
- Robbins, T., Hemmer, P., Leyble, K., & Spencer, C. \*. (2016, August). *Optimal Predictions in Illness Cognition*. Poster given at Annual Meeting of the Society for Mathematical Psychology, New Brunswick, NJ.
- Wall, D. G., Hemmer, P., Chapman, G., & Pei, K\* (2016, August). *Mixing Risk With Time*. Talk given at Annual Meeting of the Society for Mathematical Psychology, New Brunswick, NJ.
- 2015 Hemmer, P. & Persaud, K. (2015, November). *The Time Course of Errors in Long-Term Episodic Memory for Color*. Talk given at the Annual Meeting of the Psychonomic Society, Chicago. Il.
- Robbins, T., Hemmer, P., Leyble, K.\*, & Robbins, S.\* (2015, November). *Assessing Prior Beliefs and Memory for Symptom and Illness Relationships*. Poster given at the Annual Meeting of the Psychonomic Society, Chicago. Il.
- Hemmer, P., Persaud, K., McGovern, C., & Piantidosi, S. (2015, July). *Shifting priors: Evaluating the cross-cultural influence of color expectations on episodic memory*. Talk given at Annual Conference of the Cognitive Science Society, Pasadena, CA.
- Macias, C.\*, Yung, A.\*, Hemmer, P. & Kidd, C. (2015, July). *Memory Strategically Encodes Externally Unavailable Information*. Poster given at Annual Conference of the Cognitive Science Society, Pasadena, CA.
- Hemmer, P. & Persaud, K. (2015, July). *Modeling the Time Course of Errors in Long-Term Episodic Memory for Color*. Talk given at Annual Meeting of the Society for Mathematical Psychology, Newport Beach, CA.
- Hemmer, P. & Persaud, K. (2015, July). *The Time Course of Errors in Long-Term Episodic Memory for Color*. Talk given at the Annual Summer Interdisciplinary Conference, Mammoth Lakes, CA.
- Hemmer, P. & Persaud, K. (2015, May). *Episodic Memory across Cultures: From Students in the US to the Tsimane' People of Bolivia*. Invited rebuttal given at the Context and Episodic Memory Symposium, Philadelphia, PA.
- 2014 Hemmer, P., Robbins, T., Persaud, K., & Tang, Y\*. (2014, November). *The influence of belief states on memory and prediction*. Poster presented at the Annual Meeting of the Psychonomic Society, Long Beach, CA.

- Trueblood, J. & Hemmer, P. (2014, July). *Quantum refrigerators: A quantum model of conjoint recognition in natural scenes*. Talk given at the Annual Meeting of the Society for Mathematical Psychology, Quebec City, Canada.
- Persaud, K. & Hemmer, P. (2014, July). *Color Preferences and Sampling Behavior in Recall for Color*. Poster given at the Annual Meeting of the Society for Mathematical Psychology, Quebec City, Canada.
- Robbins, T. & Hemmer, P. (2014, July). *A Bayesian Model of Belief-Updating*. Poster given at the Annual Meeting of the Society for Mathematical Psychology, Quebec City, Canada.
- Hemmer P., Persaud K., DeAngelis, J.\* & Venaglia, R.\* (2014, July). *What's Your Source: Evaluating the Effects of Context in Episodic Memory for Objects in Natural Scenes*. Poster presented at Annual Conference of the Cognitive Science Society, Quebec City, Canada.
- Persaud, K. & Hemmer, P. (2014, July). *The Influence of Knowledge and Expectations for Color on Episodic Memory*. Talk given at Annual Conference of the Cognitive Science Society, Quebec City, Canada.
- Robbins, T., Hemmer, P. & Tang, Y.\* (2014, July). *Bayesian Updating: A Framework for Understanding Medical Decision Making*. Talk given at Annual Conference of the Cognitive Science Society, Quebec City, Canada.
- Hemmer, P. & Persaud, K. (2014, May). *The relative contribution of global versus local context on free recall for natural scenes*. Talk given at the Context and Episodic Memory Symposium, Philadelphia, PA.
- Persaud, K. & Hemmer, P. (2014, May). *The influence of knowledge and expectations for color on episodic memory*. Poster presented at the 10th Annual Context and Episodic Memory Symposium, Philadelphia, PA.
- DeAngelis J.\* , Hemmer P., Persaud K., & Venaglia, R.\* (2014, April). *The Effect of Random Context on Memory*. Poster presented at the National Conference on Undergraduate Research, University of Kentucky, Lexington KY.
- 2013 Persaud K., Hemmer P., DeAngelis, J.\* & Venaglia, R.\* (2013, November). *Context effects in episodic memory for natural scenes*. Poster presented at the Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Wang, L., Hemmer, P. & Leslie, A. M. (2013, October). *Two Bayesian models of the development of belief-desire reasoning*. Talk given at the Biannual Meeting of the Cognitive Development Society.
- Venaglia, R.\* , Hemmer P., Persaud K., & DeAngelis, J.\* (2013, August). *The Effect of Context on Recall of Objects in a Natural Scene*. Talk given at the Perceptual Science REU Symposium, Rutgers University, New Brunswick, NJ
- Hemmer, P. & Criss, A.H. (2013, August). *Modeling a non-monotonic relationship in single item recognition for continuous word frequency*. Talk given at the Annual Meeting of the Society for Mathematical Psychology, Potsdam, Germany.
- Aue, W. R., Hemmer, P. & Criss, A. H. (2013, August). *A Bayesian Analysis of Bias in Single Item Recognition for Continuous Word frequency*. Poster presented at Annual Conference of the Cognitive Science Society, Berlin, Germany.
- Hemmer, P. & Criss, A.H. (2013, July). *Evaluating Word Frequency as a Continuous Variable in Recognition Memory*. Talk given at the Annual Summer Interdisciplinary Conference, Cortina d'Ampezzo, Italy.

- DeAngelis,\* J., Hemmer P., Persaud K., & Venaglia, R.\* (2013, July). *The Effect of Random Context on Memory*. Poster presented at the Annual Aresty Summer Research Symposium, Rutgers University, New Brunswick, NJ
- Hemmer, P., Aue, W. R. & Criss, A. H. (2013, May). *The Relationship between Multiple Memory Tasks*. Talk given at the Context and Episodic Memory Symposium, Philadelphia.
- Persaud K., Hemmer P., & Reyes, J.\* (2013, April). *The influence of knowledge and expectations for colors on episodic memory*. Poster presented at the 7th Annual Perceptual Science Forum, Rutgers University, New Brunswick, NJ
- 2012 Hemmer, P. & Criss, A.H. (2012, November). *The effect of continuous word frequency, context variability and OLD across memory tasks*. Poster presented at the Psychonomic Society meeting, Minneapolis, Minnesota.
- Hemmer, P. & Criss, A.H. (2012, July). *The effect of continuous word frequency, context variability and OLD across memory tasks*. Poster presented at the Annual Meeting of the Society for Mathematical Psychology, Columbus, OH
- Hemmer, P., Criss, A.H., Wyble, B. (2012, May). *Assessing a neural basis for differentiation accounts of recognition memory*. Poster presented at the Context and Episodic Memory Symposium, Bloomington, IN.
- 2011 Hemmer, P., Criss, A.H., & Wyble, B. (2011, November). *Assessing a neural basis for differentiation accounts of recognition memory*. Poster presented at the Psychonomic Society meeting. Seattle, WA.
- Hemmer, P. & Steyvers, M. (2011, July). *Estimating Individual Differences in a Rational Model of Memory*. Talk given at the Annual Meeting of the Society for Mathematical Psychology, Boston
- 2010 Steyvers, M. & Hemmer, P. (presenter). (2010, November). *The wisdom of crowds with informative priors*. Poster given at the Annual Meeting of the Psychonomic Society, St. Louis.
- Hemmer, P., Steyvers, M. & Miller, B. (2010, July). *The Wisdom of Crowds with Informative Priors*. Poster presented at Annual Conference of the Cognitive Science Society, Portland, OR.
- Hemmer, P. & Steyvers, M. (2010, July). *Estimating Individual Differences in a Rational Model of Memory*. Talk given at the Annual Meeting of the Society for Mathematical Psychology, Portland, OR.
- Hemmer, P. & Steyvers, M. (2010, July). *Estimating Individual Differences in a Rational Model of Memory*. Talk given at the Annual Summer Interdisciplinary Conference, Bend, OR.
- Hemmer, P. & Steyvers, M. (2010, May). *The Influence of Prior Knowledge on Recall for Height*. Poster given at the Context and Episodic Memory Symposium, Philadelphia, PA.
- 2009 *Annual Meeting of the Society for Mathematical Psychology*, Amsterdam  
*Annual Conference of the Cognitive Science Society*, Amsterdam  
*Annual Summer Interdisciplinary Conference*, Valle d'Aosta, Italy
- 2008 Steyvers, M. & Hemmer, P. (2008, November). *A Bayesian Account of Reconstructive Memory*. co-author talk given at the Annual Meeting of the Psychonomic Society, Chicago.  
*Annual Meeting of the Cognitive Science Society*, Washington DC  
*Annual Summer Interdisciplinary Conference*, Madonna Di Campiglio, Italy  
*Context and Episodic Memory Symposium*, Tampa, Florida



- 2007 *Annual Summer Interdisciplinary Conference, Kalymnos, Greece.*  
*Annual meeting of the Society for Mathematical Psychology, Costa Mesa, Ca*
- 2005 *Annual Meeting of the Psychonomic Society, Toronto.*

### **INVITED TALKS**

- 2016 *Rutgers University, Newark, Cognitive Science at Newark (sponsored by Chancellor Seed Grant Program and RUBIC)*  
*University of Copenhagen, Center for Visual Cognition Colloquium*  
*New York University, ConCats Colloquium*
- 2013 *Rochester University, Brain & Cognitive Science Colloquium*
- 2012 *Rutgers University, What is Cognitive Science Talk Series*
- 2011 *Syracuse University, Colloquium*  
*Rutgers University. Colloquium*
- 2010 *University of London, Birkbeck. Cognitive Science Seminar Series*

### **PANELIST**

- 2014 *Women of Mathematical Psychology Symposium, Quebec City, Canada. Workshop: Negotiation: Data and Advice.*
- 2013 *Annual Meeting of the Cognitive Science Society, Berlin, Germany. Workshop: Professional Advancement Through real and Virtual International Collaboration.*

### **STUDENTS**

#### **Current Ph.D. Students (N=3)**

- 2012- Kimele Persaud (IGERT fellow, NSF GRFP fellow)
- 2013- Talia Robbins
- 2015- Daniel Wall

#### **Current Masters Students**

- 2013- Brian McMahan

#### **Qualifying Exam Committee**

- 2013 Neha Sinha
- 2015-2016 Michelle Cheng
- 2015-2016 Nicholas Kleene
- 2015-2016 Kimele Persaud, Chair
- 2016-2017 Gwendolyn Rehrig
- 2017 Meng Zhang
- 2017 Talia Robbins

#### **Masters Committee**

- 2014 Kimele Persaud (IGERT fellow, NSF GRFP fellow), Chair
- 2014 Michelle Cheng
- 2014-2015 Jenna Herold
- 2015 Talia Robbins, Chair
- 2015- Jason Rubinstein
- 2016 Rachel Lerch
- 2017 Daniel Wall, Chair

#### **Ph.D. thesis Committee**

- 2012-2014 Min Zhao

2013-2015 Neha Sinha  
2016- Michelle Cheng

**Undergraduate students supervised (N=27)**

2016- Kierra Pean (work study student, research assistant); Eloise Gayer (Cognitive Science Individualized Major); Brett Friedman (Aresty Research Fellow 2016-2017)  
2015- Chrystal Spencer (McNair Scholar; research assistant); Kevin Pei (research assistant)  
2013- Daljit Ahluwalia (Honors in Psychology; Cooper Summer Research Fellow 2015, 2016; research assistant; work study student)  
2015-2017 Kaitlin Leyble (Cooper Summer Research Fellow 2016; Aresty Rising Sophomore Summer Research Program Fellow 2015)  
2014-2016 Mie-Hawa Sumner (Aresty Rising Sophomore Summer Research Program Fellow 2014; research assistant); Sarah Robbins (research assistant)  
2015-2016 Jinal Parikh (McNair Scholar);  
2014 Emily Johnston (Perceptual Science summer REU Fellow)  
2013-2016 Joseph DeAngelis (Honors in Psychology; Aresty Research Fellow 2014-2015; Cooper Summer Research Fellow 2014; 2015; Aresty Rising Sophomore Summer Research Program Fellow 2013); Yubei Tang (Aresty Research Fellow 2014-2015, research assistant)  
2013-2015 Jacqueline Krychiw (Aresty Research Fellow 2013-2014; research assistant); Karan Jalundhwala (Aresty Research Fellow 2013-2014; research assistant)  
2014 Nicole Gooden (research assistant)  
2013-2014 Rachel Venaglia (Perceptual Science summer REU Fellow); Nelson Wu (work study student)  
2012-2014 Jordan Watson (work study student, research assistant)  
2012-2013 Josue Reyes (independent research project), Kelly Skovron (work study student),  
2012 Sara Silverman (research assistant), Riley Kennedy (research assistant)  
2010-2011 Mindy DeYoung (research assistant); Daniela Amado (research assistant).  
2009-2011 Jenny Shi (mentored for SURP and UROP fellowships).  
2008-2009 Stanton Mack (research assistant); Christina Maranhao (research assistant); Erin Horowitz (research assistant).

**High school students supervised (N=3)**

2016 Camila Alvarado (summer intern)  
2015 Lizbeth Lopez (summer intern)  
2014- Tatjana Mustac (Saint Francis Preparatory School Science Research program)