

VALERIE A. KUHLMEIER

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ACADEMIC APPOINTMENTS:

- 2004 – present **Assistant Professor & Canada Research Chair in Cognitive Development**
Department of Psychology
Queen's University, Kingston, Ontario
Canada
- 2000 – 2004 **Postdoctoral Fellow**, Department of Psychology
Infant Cognition Laboratory
Yale University, New Haven, CT
USA
- 2001 – 2004 **Lecturer**, Department of Psychology
Yale University, New Haven, CT
USA

EDUCATION:

- 1995 University of California at San Diego, La Jolla, California, USA
B.S. in Biology (Ecology, Behavior, and Evolution)
B.A. in Anthropology (Biological Anthropology)
- 1997 The Ohio State University, Columbus, Ohio, USA
M.A. in Psychology (Psychobiology)
- 2000 The Ohio State University, Columbus, Ohio, USA
Ph.D. Awarded, June 2000
Major: Psychobiology
Minor: Quantitative Psychology

ACTIVE RESEARCH INTERESTS:

Cognitive Development and Comparative Psychology of:

- Attributions of intentionality
- Reasoning about animate vs. inanimate objects
- Spatial Cognition
- Tool Use

GRANTS AND FELLOWSHIPS:

Social Sciences and Humanities Research Council (SSHRC) Grant (2005-2008)

“Infants’ Understanding of Social Learning”

P.I. Dr. Valerie Kuhlmeier

Collaborator: Dr. Laurie Santos (Yale University)

Natural Sciences and Engineering Research Council (NSERC) Grant (2005-2010)

“Detecting and understanding agents and mental states in infancy”

P.I. Dr. Valerie Kuhlmeier

Research Initiation Grant (2004-present)

Queen’s University, Canada

National Research Service Award (NRSA); NIMH-USA (2002-2004)

"Young children's understanding of intentionality"

Yale University, Sponsors: Drs. Karen Wynn and Paul Bloom

PROFESSIONAL ACTIVITIES AND AFFILIATIONS:

Ad Hoc Reviewer (Journals and Conferences)

Behavioral & Brain Sciences

Child Development

Cognitive Systems Research

Cognition

Developmental Psychology

Journal of Comparative Psychology

Interaction Studies: Social Behaviour and Communication in Biological and Artificial Systems

Psychonomic Bulletin & Review

Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems

Academic Society Affiliations

American Psychological Association
Comparative Cognition Society
Sigma Xi: The Scientific Research Society
Society for Research in Child Development

Miscellaneous Activities

Organizing Committee, German/American Frontiers of Science, 2004-present
Undergraduate Course Advisor, Yale University, 2002 – 2004
Symposium Chair, Meeting of *The Society for Research in Child Development*, 2003
Program Committee, *International Workshop on Epigenetic Robotics*, 2003-present
Associate, *Behavioral and Brain Sciences*

PUBLICATIONS:

Refereed Journal Articles

- Kuhlmeier, V.A. (2005). Symbolic insight and perseveration: Two problems facing young children on symbolic retrieval tasks. *Journal of Cognition and Development*, 6, 365-380.
- Kuhlmeier, V.A., Bloom, P., & Wynn, K. (2004). Do 5-month-old infants see humans as material objects? *Cognition*, 94, 95-103.
- Kuhlmeier, V.A., Wynn, K., & Bloom, P. (2004). People v. Objects: A reply to Rakison and Chicchino. *Cognition*, 94, 109-112.
- Kuhlmeier, V.A., Wynn, K., & Bloom, P. (2003). Attribution of Dispositional States by 12-month-olds. *Psychological Science*, 14, 402-408.
- Kuhlmeier, V.A., & Boysen, S.T. (2002). Chimpanzees' recognition of the spatial and object similarities between a scale model and its referent. *Psychological Science*, 13, 60-63.
- Kuhlmeier, V.A., & Boysen, S.T. (2001). The effect of response contingencies on chimpanzee scale model task performance. *Journal of Comparative Psychology*, 115, 300-306.
- Kuhlmeier, V.A.; Boysen, S.T; & Mukobi, K.M. (1999). Scale model comprehension by chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology*, 113 (4), 396-402.

Manuscripts Under Review

Newman, G.E., Keil, F.C., Kuhlmeier, V.A., & Wynn, K. (Under review). Infants understand that only intentional agents can create order. Manuscript submitted for publication.

Kuhlmeier, V.A., Wynn, K., & Bloom, P. (Under review). Attribution of dispositional states by 9-month-olds: The role of faces. Manuscript submitted for publication.

Book Chapters

Kuhlmeier, V.A., & Boysen, S.T. (2003). Animal Cognition. In: Macmillan Publishers Limited, *Encyclopedia of Cognitive Science*.

Boysen, S.T. & Kuhlmeier, V.A.. (2002). Representational capacities for pretense with scale models and photographs in chimpanzees (*Pan troglodytes*). In R. Mitchell (Ed.), *Pretending and Imagination in Animals and Children*.

Boysen, S.T., & Kuhlmeier, V.A. (2002). Representational Capacities in the Chimpanzees: Numerical and Spatial Reasoning. In B.M.F. Galdikas, N.E. Briggs, L.K. Sheeran, G.L. Shapiro, and J. Goodall (Eds.), *All Apes Great and Small Volume 1: African Apes*. Hingham, MA: Kluwer Academic Publishers.

Boysen, S.T., & Kuhlmeier, V.A. (2001). Conceptual capacities of chimpanzees. In: B.Beck et al. (Eds.), *Great Apes and humans: The ethics of coexistence*. Washington, D.C: Smithsonian Institution Press.

Boysen, S.T.; Kuhlmeier, V.A.; Halliday, P.; & Halliday, Y. (1999). Tool use in captive gorillas. In: S. Parker, R.W. Mitchell & H.L. Miles (Eds.), *The mentalities of gorillas and orangutans: Comparative perspectives* (pp.179-187). New York, NY: Cambridge University Press.

Commentaries and Book Reviews

Kuhlmeier, V.A. & Birch, S.A.J. Steps toward categorizing 'motivation': Abilities, Limitations, and Conditional Constraints. *Behavioral and Brain Sciences*, 28, 706-707.

Kuhlmeier, V.A. (2004). An inclusive primate psychology: Review of *Primate Psychology*. *American Scientist*, September-October.

Kuhlmeier, V.A. & Bloom, P. (2003). You can dance if you want to. *Behavioral and Brain Sciences*, 25, p. 630-631.

Kuhlmeier, V.A. (2002). Review of Matsuzawa, T. (Ed.), *Primate Origins of Human Cognition and Behavior*. *Animal Behaviour*, 63, 829-830.

Working Papers

Yamaguchi, M., Kuhlmeier, V.A., Wynn, K. (in preparation). Infant social tasks, but not nonsocial tasks, correlate with childhood Theory of Mind ability. Manuscript in preparation.

Kuhlmeier, V.A., Wynn, K., & Bloom, P. (in preparation). 14-month-olds attribute dispositions to specific agents. Manuscript in preparation.

Kuhlmeier, V.A., Wynn, K., & Bloom, P. (in preparation). What makes a ball an agent? Manuscript in preparation.

CONFERENCE PRESENTATIONS:

Kuhlmeier, V.A. (2005, October). Infants' Detection of Agents and Goals. Paper presented at the 2005 Workshop for Young Psychologists, Kyoto, Japan.

Kuhlmeier, V.A., Wynn, K., Bloom, P., Anthony-Brown, K. (2005, April). What makes a ball an agent? Infants' detection of goal-directed entities. Poster presented at the 2005 meeting of the Society for Research in Child Development, Atlanta, Georgia.

Kuhlmeier, V.A., Wynn, K., & Bloom, P. (2004, May). Reasoning about present dispositions based on past interactions. Paper presented at the 2004 meeting of the International Conference on Infant Studies, Chicago, IL.

Kuhlmeier, V.A., Bloom, P., & Wynn, K. (2004, May). Five-month-olds do not see humans as material objects. Poster presented at the 2004 meeting of the International Conference on Infant Studies, Chicago, IL.

Kuhlmeier, V.A. & Wynn, K. (2003, April). 9-month-olds' understanding of intentionality. Poster presented at the 2003 meeting of the Society for Research in Child Development, Tampa, FL.

Kuhlmeier, V.A. (2003, April). Response contingencies affect scale model task performance in both children and chimpanzees. Paper presented at the 2003 meeting of the Society for Research in Child Development, Tampa, FL.

Kuhlmeier, V.A. (2003, March). Children and chimpanzees face similar difficulties using scale models in a search task. Paper presented at the 2003 Comparative Cognition Conference, Melbourne, FL

Kuhlmeier, V.A. (2002, November). Can 12-month-olds attribute dispositional states? Paper presented at the Workshop on Naïve Moral Cognition, Cambridge, MA.

- Kuhlmeier, V.A., Wynn, K., & Bloom, P. (2002, April). Infants attribute mental states to agents. Poster presented at the 2002 International Conference on Infant Studies, Toronto, Canada.
- Kuhlmeier, V.A. (2001, April). Contributions of Spatial and Object Features to Scale Model Comprehension by Chimpanzees (*Pan troglodytes*). Poster presented at the 2001 meeting of the Society for Research in Child Development, Minneapolis, MN.
- Kuhlmeier, V.A. & Boysen, S.T. (2000, April). Scale Model Comprehension by Chimpanzees: Recognition of Relational and Object Similarity. Paper presented at the 2000 Ohio State University Graduate Research Forum, Columbus, OH.
- Kuhlmeier, V.A. & Boysen, S.T. (2000, March). Comprehension of Scale Models by Chimpanzees (*Pan troglodytes*): Recognition of Relational and Object Similarity. Paper presented at the 2000 Comparative Cognition Conference, Melbourne, FL.
- Kuhlmeier, V.A., Mukobi, K.M., & Boysen, S.T. (2000, March). Perceptual Contributions to Scale Model Comprehension. Paper presented at the 2000 Tri-State Animal Learning Conference, Purdue University, IN.
- Boysen, S.T., Kuhlmeier, V.A., & Hallberg, K.I. (1999, November). Moving our message beyond the academy: The significance of understanding chimpanzee cognition and its role in conservation. Paper presented at the 1999 COE International Symposium on the Evolution of the Apes and the Origin of Human Beings, Inuyama City, Japan.
- Kuhlmeier, V.A. & Boysen, S.T. (1999, November). Scale model comprehension by chimpanzees: Recognition of object and spatial similarity. Poster presented at the 1999 COE International Symposium on the Evolution of the Apes and the Origin of Human Beings, Inuyama City, Japan.
- Kuhlmeier, V.A., Mukobi, K.M., & Boysen, S.T. (1999, July). Perceptual Contributions to Scale Model Comprehension by Chimpanzees (*Pan troglodytes*). Paper presented at the twenty-second annual meeting of the American Society of Primatologists, New Orleans, LA.
- Kuhlmeier, V.A. & Boysen, S.T. (1999, April). The Contribution of Perceptual Features to Scale Model Comprehension by Chimpanzees. Paper presented at the 1999 Ohio State University Graduate Research Forum, Columbus, OH.

- Kuhlmeier, V.A., Mukobi, K.M., & Boysen, S.T. (1999, March). Perceptual Contributions to Scale Model Comprehension. Paper presented at the 1999 Tri-State Animal Learning Conference, Indianapolis, IN.
- Kuhlmeier, V.A., Boysen, S.T., & Mukobi, K.M. (1998, June). Scale Model Comprehension by Chimpanzees. Paper presented at the twenty-first annual meeting of the American Society of Primatologists, Georgetown, TX.
- Boysen, S.T., Brown, D.A., & Kuhlmeier, V.A. (1998, June). Conceptual and attributional capacities in the chimpanzee: Responsibilities of knowing that they know. Paper presented at the Conference on Ethical Treatment of Great Apes, Orlando, FL.
- Kuhlmeier, V. A., Mukobi, K.M., & Boysen, S.T. (1998, April). Scale Model Comprehension by Chimpanzees (*Pan troglodytes*). Poster session presented at the annual Ohio State University Graduate Research Forum.
- Boysen, S. T. & Kuhlmeier, V.A. (1998, March). Boys will be boys: Chimpanzees understanding of scale models. Paper presented at the Comparative Cognition Conference, Melbourne, FL.
- Kuhlmeier, V.A., Boysen, S.T. & Mukobi, K.M. (1998, March). Scale Model Comprehension in the Chimpanzee. Paper presented at the 1998 Tri-State Animal Learning Conference, Lexington, KY.
- Kuhlmeier, V. A. & Boysen, S. T. (1997, June). Understanding of the Representational Nature of a Scale Model by Chimpanzees (*Pan troglodytes*). Paper presented at the twentieth annual meeting of the American Society of Primatologists, San Diego, CA.
- Boysen, S. T. & Kuhlmeier, V.A. (1997, May). Understanding of the Representational Nature of a Scale Model by Chimpanzees (*Pan troglodytes*). Poster presented at the 1997 meeting of the American Psychological Society, Washington, DC.

INVITED TALKS/COLLOQUIA:

The 2005 Workshop for Young Psychologists, Kyoto, Japan. October, 2005
The 10th German-American Frontiers of Science, Hamburg, Germany. June, 2004.
Department of Psychology, Carnegie Mellon University. January, 2004.
Department of Psychology, Univ. of Calif., Santa Barbara. January, 2004.
Department of Psychology, Univ. of Western Ontario. December, 2003.
Department of Psychology, Univ. of Delaware. December, 2003.
Department of Psychology, Emory University. October, 2001.
Department of Psychology, Developmental Area, Yale University. September, 2000.
Center for Cognitive Science, Rutgers University. March, 2000.

TEACHING:

Courses Taught

Comparative Cognition (Undergraduate lecture course, Primary Instructor, Queen's University)

Developmental Psychology (Undergraduate lecture course, Primary Instructor, Queen's University)

Data Analysis: Quantitative Variables (Graduate core statistics lecture course, Primary Instructor, Yale University)

Comparative Cognition (Undergraduate lecture course, Primary Instructor, Yale University)

Quantitative Statistical Methods laboratory section (Undergraduate laboratory course, OSU)

Biometry Laboratory Section (Undergraduate laboratory course, UCSD)