

# Greg Jensen

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## Personal

- Born on March 4, 1981 ( United States Citizen ).

## Education

- B.A. Psychology, Reed College, May 2003.
- M.A. Psychology, Columbia University, October 2011.
- M.Phil. Psychology, Columbia University, May 2013.
- Ph.D. Psychology, Columbia University, May 2014.

## Employment

- Columbia University Medical Center (Neuroscience: Postdoctoral Research Scientist) 2014–Present.
- Columbia University (Psychology: Lecturer) 2014–Present.
- Reed College (Psychology: Lab Manager) 2004–2009.

## Publications

### *Journal Articles & Book Chapters*

- Bailey MR, **Jensen G**, Taylor K, Mezas C, Williamson C, Silver R, Simpson EH, & Balsam PD. (In Press). A novel strategy for dissecting goal-directed action and arousal components of motivated behavior. *Behavioral Neuroscience*.
- **Jensen G** & Altschul D. (2015) Two perils of binary categorization: Why the study of concepts can't afford true/false testing. *Frontiers in Psychology*, 6, Article 168.
- **Jensen G**. (2014). Compositions and their application to the analysis of choice. *Journal of the Experimental Analysis of Behavior*, 102, 1-25.
- Avdagic E, **Jensen G**, Altschul D, & Terrace HS. (2014). Rapid cognitive flexibility of rhesus macaques performing psychophysical task-switching. *Animal Cognition*, 17, 619-631.
- **Jensen G**, Stokes PD, Paterniti A, & Balsam PD. (2014). Unexpected downshift in reward magnitude induces variation in human behavior. *Psychonomic Bulletin & Review*, 21, 436-444.
- Morè L & **Jensen G**. (2014). Acquisition of conditioned responding in a multiple schedule depends on the reinforcement's temporal contingency with each stimulus. *Learning & Memory*, 21, 258-262.

- **Jensen G**, Altschul D, Danly E, & Terrace HS. (2013). Transfer of a serial representation between two distinct tasks by Rhesus macaques. *PLOS ONE*, 8, e70285.
- **Jensen G**, Altschul D, & Terrace HS. (2013). Monkeys would rather see *and* do: Preference for agentic control in Rhesus macaques. *Experimental Brain Research*, 3, 429-442.
- **Jensen G**, Ward RD, & Balsam PD. (2013). Information: Theory, Brain, and Behavior. *Journal of the Experimental Analysis of Behavior*, 100, 408-431.
- Neuringer A & **Jensen G**. (2013). Operant variability. In GJ Madden (Ed) *The APA Handbook of Behavior Analysis* (Vol. 1., pp. 513-546). American Psychological Association.
- **Jensen G**, Miller C, & Neuringer A. (2012). Truly random operant responding: Results and reasons. In T Zentall & E Wasserman (Eds) *The Oxford Handbook of Comparative Cognition* (2nd ed., pp. 652-673). Oxford University Press.
- Neuringer A & **Jensen G**. (2012). The predictably unpredictable operant. *Comparative Cognition & Behavior Reviews*, 7, 55-84.
- Ward RD, Gallistel CR, **Jensen G**, Richards VL, Fairhurst S, & Balsam PD. (2012). Conditioned stimulus informativeness governs conditioned stimulus-unconditioned stimulus associability. *Journal of Experimental Psychology: Animal Behavior Processes*, 38, 217-232.
- Neuringer A & **Jensen G**. (2010). Operant variability and voluntary action. *Psychological Review*, 117(3), 972-993.
- **Jensen G** & Neuringer A. (2009). Barycentric extension of generalized matching. *Journal of the Experimental Analysis of Behavior*, 92(2), 139-159.
- **Jensen G** & Neuringer A. (2008). Choice as a function of reinforcer “hold”: From probability learning to concurrent reinforcement. *Journal of Experimental Psychology: Animal Behavior Processes*, 34(4), 437-460.
- Rothstein J, **Jensen G**, & Neuringer A. (2008). Human choice among five alternatives when reinforcers decay. *Behavioural Processes*, 78, 231-239.
- **Jensen G** & Neuringer A. (2007). Functional variability, matching, and volition: A reply to Davison. *PsyCrit* (online publication). Last retrieved January 12, 2015.
- **Jensen G** & Neuringer A. (2007). Stochastic matching and the voluntary nature of choice. *Journal of the Experimental Analysis of Behavior*, 88(1), 1-28.

### Theses

- **Jensen G**. (2014). *Beyond dichotomy: Dynamics of choice in compositional space*. Columbia University, ProQuest, UMI Dissertations Publishing, 3620884.
- **Jensen GG**. (2003). *Mechanisms and variables involved in aptitude for random generation*. Reed College Digital Collections, OCLC# 268896558.

### Work In Progress

- **Jensen G**, Muñoz F, Alkan Y, Ferrera VP, & Terrace HS. (2015). Implicit value updating explains transitive inference performance: The betasort model. *PeerJ PrePrints*, 3:e1178.
- **Jensen G**. (2013). Closed-form estimation of multiple change-point models. *PeerJ PrePrints*, 1:e90v1.
- Avlar B, Kahn J, **Jensen G**, Kandel E, Simpson E, & Balsam P. (Submitted). Improving cognitive performance by enhancing motivation.
- Altschul D, **Jensen G**, & Terrace HS. (Submitted). Concept learning using ecological and artificial stimuli in rhesus macaques.
- **Jensen G** & Neuringer A. (Submitted). Choice under conditions of uncertainty: A comparison of concurrent and variability schedules.
- **Jensen G**. (In Preparation). Serial learning. In Call J (Ed) *The APA Handbook of Comparative Psychology*. American Psychological Association.
- **Jensen G**, Altschul D, & Terrace HS. (In Preparation). Comparative transfer of serial representation in humans and rhesus macaques.

### Addresses & Colloquia

- Neuringer A & **Jensen G**. (May 24, 2014). "Similarity of choices under concurrent and operant-variability schedules of reinforcement." At the Association for Behavior Analysis International, Chicago.
- **Jensen G**. (March 15, 2014). "Unifying choice and preference models within the compositional sample space." At the Eastern Psychological Association, Boston.
- Bailey M, **Jensen G**, Taylor K, Simpson E, Mezias C, Williamson C, Silver R, & Balsam P. (March 14, 2014). "Differentiating goal-directed motivation from arousal with a novel progressive hold down (PHD) task." At the Eastern Psychological Association, Boston.
- **Jensen G**. (February 17, 2014). "Compositions: Modeling the dynamics of repeated choice." At the Department of Psychology Monday Seminar, Columbia University.
- **Jensen G** & Balsam P. (March 2, 2013). "Matching with more than two alternatives: Adding options increases sensitivity to rewards." At the Eastern Psychological Association, New York.
- **Jensen G** & Neuringer A. (May 22, 2009). "Extending generalized matching." At the Society for Quantitative Analyses of Behavior, Phoenix.
- Neuringer A & **Jensen G**. (May 25, 2008). "Voluntary choice is characterized by functional combinations of stochasticity and predictability." At the Society for Quantitative Analyses of Behavior, Chicago.
- Neuringer A, **Jensen G**, & Piff P. (May 26, 2006). "Operant variability theory of voluntary action." At the Society for Quantitative Analyses of Behavior, Atlanta.
- Neuringer A, Miller C, & **Jensen G**. (May 28, 2004). "Reasons to respond randomly." At the Society for Quantitative Analyses of Behavior, Boston.

### *Research Reports & Posters*

- **Jensen G**, Joiner J, Kennedy BC, Muñoz F, Krishnan S, Ferrera VP & Terrace HS. (2014). Implicit learning of serial order in humans and monkeys. At the Society for Neuroscience, November 2014 Washington D.C.
- Kennedy BC, **Jensen G**, Joiner J, Muñoz F, Terrace HS, & Ferrera VP. (2014). Neural correlates of implicit serial learning in posterior parietal cortex in monkeys. At the Society for Neuroscience, November 2014 Washington D.C.
- Bailey MR, **Jensen G**, Taylor K, Mezas C, Williamson C, Simpson EH, & Balsam PD. (2014). Improving how we measure motivation: Dissociating goal-directed responding from arousal-induced responding with a novel progressive hold down task. At the Society for Neuroscience, November 2014 Washington D.C.
- **Jensen G**, Taylor KM & Balsam P. (2012). Using response stereotypy to detect the emergence of a habit and persistence during extinction. At the Pavlovian Society, September 2012 Jersey City.
- **Jensen G**, Taylor KM & Balsam P. (2012). Using response stereotypy to detect the emergence of habit. At the Society for Quantitative Analyses of Behavior, May 2012 Denver.
- **Jensen G**, Balsam P, Gallistel CR, Taylor KM & Yohe Moore E. (2011). Choice-by-choice matching. At the Society for Quantitative Analyses of Behavior, May 2011, Denver.
- Cannizzaro DL, Taylor KM, Gallistel CR, Yohe Moore E, **Jensen G**, & Balsam P. (2011). Timing and inhibitory learning. At the Society for Quantitative Analyses of Behavior, May 2011, Denver.
- **Jensen G** & Neuringer A. (2010). Effects of feedback. At the Society for Quantitative Analyses of Behavior, May 2010, Austin.
- **Jensen G** & Neuringer A. (2008). Quantifying bias. At the Society for Quantitative Analyses of Behavior, May 2008, Chicago.
- **Jensen G**, Rothstein J & Neuringer A. (2007). Effects of temporary availability of reinforcers under concurrent schedules of reinforcement. At the Society for Quantitative Analyses of Behavior, May 2007, San Diego.
- Rothstein J, **Jensen G**, & Neuringer A. (2007). A real-time procedure for the study of human choice. At the Society for Quantitative Analyses of Behavior, May 2007, San Diego.
- **Jensen G** & Neuringer A. (2006). Choice by pigeons under concurrent schedule when reinforcement availability and disappearance are both probabilistically controlled by responses. At the Society for Quantitative Analyses of Behavior, May 2006, Atlanta.

### *Professional Organizations, Societies, and Services*

#### Organization Memberships

- **Member**, Eastern Psychological Association (03/2010 – Present).
- **Member**, Luxuriant Flowing Hair Club for Scientists (05/2014 – Present).
- **Member**, Society for Neuroscience (06/2014 – Present).
- **Member**, Society for the Quantitative Analysis of Behavior (05/2006 – Present).

#### Editorial

- **Editorial Board Member**, *Journal of the Experimental Analysis of Behavior* (2014-2016).
- **Ad Hoc Reviewer**, *Animal Cognition*, *Behavioural Processes*, *Learning & Cognition*, *Physiology & Behavior*, *Psychonomic Bulletin & Review*.

#### Numerical

- **Erdős Number**: 5 (Erdős→Wilson→Ramey→Balci→Gallistel→Jensen).
- **Bacon Number**: 6 (Bacon→Gosling→Hershlag→Boas→Carey→Gallistel→Jensen).

#### Honors & Awards

- Lyttle Lytton Contest (2014) Honorable Mention.

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