

Patrick Plummer

Department of Psychology
Howard University
Room N-279, C.B. Powell Bldg.
525 Bryant St. NW
Washington, DC 20059

patrick.plummer@howard.edu

Education

University of California, San Diego

Ph.D., Experimental Psychology	September 2015
M.A., Experimental Psychology	June 2011

University of North Carolina at Chapel Hill

B.A., Psychology	May 2009
B.A., African-American Studies	May 2009

Research Positions Held

2018 – Present	Assistant Professor, Department of Psychology, Howard University
2017 – 2018	Research Associate, Learning Research and Development Center, University of Pittsburgh, Reading and Language Group
2015-2017	UC President's Postdoctoral Fellow, University of California, Los Angeles, Faculty Mentor: Dr. Keith Holyoak
2013-2015	Ph.D. Candidate, University of California, San Diego Department of Psychology, Advisor: Dr. Keith Rayner
2010-2013	Graduate Student, University of California, San Diego, Department of Psychology, Advisor: Dr. Keith Rayner
2010-2013	Pre-doctoral Fellow, Center for Research in Language, University of California, San Diego
2009-2010	Lab Manager, Language, Cognition, and Brain Lab, PI: Dr. Peter C. Gordon University of North Carolina at Chapel Hill,

2008-2009 Research Assistant, Language, Cognition, and Brain Lab, PI: Dr. Peter C. Gordon University of North Carolina at Chapel Hill,

Honors, Awards, and Fellowships

2015-2017 UC President's Postdoctoral Fellowship
 2012-2014 Research Supplement to Promote Diversity in Health Related Research - NIH grant HD65829 (PI: Roger Levy)
 2012 Glushko Travel Grant, Cognitive Science Society
 2011 Norman Anderson Travel and Research Fund, University of California, San Diego
 2010-2011 Center for Research in Language Pre-doctoral Fellowship NIH training grant DC000041 (PI: Marta Kutas)

Research Interests

Psycholinguistics, Word recognition, Sentence comprehension, Reading, Literacy, Numerical reasoning, Visual attention, Eye-movement control, Eye-tracking methodologies

Publications

Jiao, L., Liu, C., Liang, L., **Plummer, P.**, Perfetti, C. A., & Chen, B. (2019). The contributions of language control to executive functions: from the perspective of bilingual comprehension. *Quarterly Journal of Experimental Psychology*, 72(8), 1984-1997.

Jiao, L., Zhang, Y., **Plummer, P.**, Liu, C., & Chen, B. (2019). The influence of bilingual language experience on executive control: An ERPs study. *Journal of Neurolinguistics*, 51, 42-52.

Plummer, P., DeWolf, M., Bassok, M., Gordon, P.C., & Holyoak, K. (2017) Reasoning strategies with rational numbers revealed by eye-tracking. *Attention, Perception, & Psychophysics* 79(5), 1426-1437.

Rayner, K., Abbott, M. J., & **Plummer, P.** (2015). Individual differences in perceptual processing and eye movements in reading. *Handbook of Individual Differences in Reading: Reader, Text, and Context*. (pp. 348-363). New York: Taylor & Francis/Routledge.

Plummer, P., Perea, M., & Rayner, K. (2014). The influence of contextual diversity on eye movements in reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40(1), 275-283

Gordon, P. C., **Plummer, P.**, & Choi, W. (2013). See before you jump: Full recognition of parafoveal words precedes skips during reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39(2), 633-641.

Plummer, P., Wang, H., Tzeng, Y., Pomplun, M., & Rayner, K. (2012). Modeling concept activation in working memory during online sentence processing. *Proceedings of the 34th Annual Meeting of the Cognitive Science Society*, 875-880.

Plummer, P., & Rayner, K. (2012). Effects of parafoveal word length and orthographic features on initial fixation landing positions in reading. *Attention, Perception, & Psychophysics*, 74(5), 950-963.

Manuscripts in prep

Plummer, P. Examining the effects of contextual diversity, word frequency, and semantic diversity in reading.

Paper Presentations

Plummer, P., & Rayner, K. (2013, August). Contextual constraint of phonological representations during reading. *The 17th European Conference on Eye Movements, Lund, Sweden.*

Plummer, P., Wang, H., Tzeng, Y., Pomplun, M., & Rayner, K. (2012, August). Modeling Concept Activation in Working Memory during Online Sentence Processing. *The 34th Annual Meeting of the Cognitive Science Society, Sapporo, Japan.*

Plummer, P., & Rayner, K. (2011, June). Effects of parafoveal word length and orthographic features on initial fixation landing positions. *Little American Psychology Society Meeting, Psychology Department, University of California, San Diego, La Jolla, CA.*

Poster Presentations

Plummer, P., & Perfetti, C. (2019, March) The Effects of Word Frequency and Contextual Diversity on Word Processing During Reading Across ERP and Eye-tracking Measures. *32nd Annual CUNY Conference on Human Sentence Processing, Boulder, CO.*

Plummer, P., & Gordon, P.C., K. (2017, November) Task effects on eye movements during sentence reading. *The 58th Annual Meeting of the Psychonomic Society, Vancouver, British Columbia, Canada.*

Plummer, P., DeWolf, M., Bassok, M., Gordon, P.C., & Holyoak, K. (2016, November) Reasoning strategies with rational Numbers Revealed by Eye-Tracking. *The 57th Annual Meeting of the Psychonomic Society, Boston, MA.*

Plummer, P. (2015, November) Contextual constraint and word recognition during reading. *The 56th Annual Meeting of the Psychonomic Society, Chicago, IL.*

Plummer, P., Abbott, M. J., Rayner, K. (2014, November) Predicting individual differences in the perceptual span and eye movement behavior during reading. *The 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.*

Plummer, P., Perea, M., & Rayner, K. (2013, November). The influence of contextual diversity on eye movements in reading. *The 54th Annual Meeting of the Psychonomic Society, Toronto, Canada.*

Plummer, P. & Rayner, K. (2012, November). Contextual constraint of phonological representations during reading. *The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.*

Plummer, P. & Rayner, K. (2011, November). Effects of length and orthography on initial landing positions during reading. *The 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.*

Plummer, P. & Rayner, K. (2011, August). Effects of word length and orthographic features on initial fixation landing positions. *The 16th European Conference on Eye Movements, Marseilles, France.*

Gordon, P. C., **Plummer, P.**, & Choi, W. (2010, March). The eyes are faster than the brain. *The 23rd Annual CUNY Conference on Human Sentence Processing, New York, NY.*

Invited Talks

Plummer, P. (2018). The effects of word frequency and contextual diversity on reading. *Reading and Language Group Talk Series. Learning Research and Development Center, University of Pittsburgh, Pittsburgh, PA.*

Plummer, P. (2017). An introduction to memory: encoding, storing, and retrieving. *Teaching Demonstration, Department of Psychology, Howard University, Washington, D.C.*

Plummer, P. (2017). The influence of context in reading. *Research Colloquium talk, Department of Psychology, Howard University, Washington, D.C.*

Plummer, P. (2017). The influence of context in reading. *Colloquium talk, Department of Cognitive Sciences, University of California, Irvine, Irvine, CA.*

Plummer, P. (2017). The influence of context in reading. *Mind, Technology, & Society Talk Series, Department of Cognitive & Information Sciences, University of California, Merced, Merced, CA.*

Plummer, P. (2016). The effects of context on word recognition. *Online lecture, Center for Cognitive Sciences, University of Niš, Niš, Serbia.*

Plummer, P. (2016). The effects of context on word recognition. *Cognitive Forum, Department of Psychology, University of California, Los Angeles, Los Angeles, CA.*

Plummer, P. (2016). Pathway to PhD: Succeeding as a grad student. *Underrepresented Graduate Students in Psychology Brown Bag Series, University of California, Los Angeles, Los Angeles, CA.*

Plummer, P. (2014). Contextual constraint and word recognition during reading. *Cognitive Tea Talk Series, Department of Psychology, Cognitive Psychology Program, University of North Carolina at Chapel Hill, Chapel Hill, NC.*

Plummer, P. (2012). Contextual constraint of phonological representations during reading. *Graduate Talk Series, Department of Psychology, University of California, San Diego, La Jolla, CA.*

Ad-hoc Journal Reviewer

Journal of Experimental Psychology: Learning, Memory and Cognition
Psychological Review
Attention, Perception, & Psychophysics
 Memory & Cognition

Teaching Experience

Instructor:

Cognitive Psychology (Undergraduate)
 Learning and memory (Undergraduate)
 Cognitive Processes (Graduate)
 Topics in Developmental Psychology (Graduate)
 Introduction to Statistics (Undergraduate)

Teaching Assistant (UCSD):

Eating Disorders (Spring 2015)
 General Psychology: Developmental Foundations (Fall 2014)
 Introduction to Statistics (Spring 2014)
 Hormones and Behavior (Summer 2012)
 General Psychology: Cognitive Foundations (Winter 2012, Summer 2012)
 Developmental Psychology (Fall 2011, Fall 2012)
 General Psychology: Biological Foundations (Summer 2011)
 Drugs, Addiction, and Mental Disorders (Fall 2010)

Department and University Service

Diversity Committee (2011-2015)
 Graduate Representative (2013)
 UCSD Black Graduate Student Association (2011-2015)
 Colloquium Representative (2011-2012)

UCLA Postdoctoral Scholars Advisory Council (2016 – 2017)

UCLA Department of Psychology Postdoctoral Academic Committee (2015 – 2017)

Founding member of the Sociable Postdoc Society at UCLA (2016 – 2017)