

DELL LYNN RHODES

Professor Emerita of Psychology
Reed College
Portland, Oregon 97202
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Education:

B.A., Psychology, magna cum laude, Colorado College, 1969
Ph.D., Psychology, University of California Los Angeles, 1975

Academic honors:

Boettcher Scholar (Colorado)
Woodrow Wilson Fellow
Phi Beta Kappa

Positions:

1975-82 Assistant Professor of Psychology, Reed College, Portland, OR
1982-90 Associate Professor of Psychology, Reed College
1990-2006 Professor of Psychology, Reed College
2006- Professor Emerita, Reed College

1990-91 Associate Dean of Students, Reed College

1978-80 Postdoctoral Fellow, Yale University Department of Psychology
1983-84 Visiting Scientist, Dept of Anesthesiology, University of Washington
1990 Visiting Scientist, Dept of Neurology, Martinez V.A., California
1995 Research Fellow, Dept of Neurology, Martinez V.A., California
1996/97 Research Fellow, Dept of Neurology, Martinez V.A. and Dept of Psychology, UC Berkeley

Publications:

Butcher, L. L., D. L. Rhodes & Yuwiler, A. (1972). Behavioral and biochemical effects of preferentially protecting monoamines in the brain against the action of reserpine. European Journal of Pharmacology, 18, 204-212.

Rhodes, D. L. & Liebeskind, J.C. (1977). The central mode of action of the narcotic analgesic drugs, in Psychopharmacology for Primary Care Physicians, M. E. Jarvik (Ed.), N.Y.: Appleton-Century-Crofts.

Rhodes, D.L. & Liebeskind, J.C. (1978). Analgesia from rostral brain stem stimulation in the rat. Brain Research, 143, 521-532.

Rhodes, D.L. (1979). The effects of periventricular lesions on stimulation-produced analgesia in the rat. Pain, 7, 51-63.

Rhodes, D.L. & Schwartz, G.E. (1981). Lateralized sensitivity to vibrotactile stimulation: Individual differences revealed by interaction of threshold and signal detection tasks. Neuropsychologia, 19, 831-835.

- VanPetten, C., Roberts, W.J. & Rhodes, D.L. (1983). Behavioral test of tolerance for aversive mechanical stimuli in sympathectomized cats. Pain, 15, 177-189.
- Balaban, M.T., Rhodes, D.L. & Neuringer, A. (1990). Orienting versus defense responses to punishing feedback: Effects on learning. Biological Psychology, 30, 203-217.
- Cohen, L., Neuringer, A. & Rhodes, D.L. (1990). Effects of ethanol on reinforced variations and repetitions by rats under a multiple schedule. Journal of the Experimental Analysis of Behavior, 54, 1-12.
- Rafal, R., Egly, R., & Rhodes, D. (1994). Effects of inhibition of return on voluntary and visually guided saccades, Canadian Journal of Experimental Psychology, 48, 284-300.
- Henik, A., Rafal, R. & Rhodes, D. (1994). Endogenously generated and visually guided saccades after lesions of the human frontal eye fields, Journal of Cognitive Neuroscience, 6, 400-411.
- Woods, D.L., Alain, C., Diaz, R., Rhodes, D. & Ogawa, K.H. (2001). Location and frequency cues in auditory selective attention, Journal of Experimental Psychology: Human Perception & Performance, 27, 65-74.
- Rhodes, D.L. & Robertson, L.C. (2002). Visual field asymmetries and allocation of attention in visual scenes, Brain & Cognition, 50, 95-115.

Papers and posters at professional meetings (since 1980):

- Rhodes, D.L. & Schwartz, G.E. (1980). Dissociation of pulse transit time and heart rate during biofeedback. Psychophysiology, 17, 316.
- Rhodes, D.L. & Schwartz, G.E. (1981). Pulse-to-pulse transit time is more related to peripheral blood flow than is R-wave-to-pulse transit time. Psychophysiology, 18, 171.
- Neuringer, A.J., Balaban, M., Neiwirth, J. & Rhodes, D. (1983). Punishment: Why it works and why not. Behavior Analysis Letters.
- Balaban, M.T., Rhodes, D.L. & Neuringer A.J. (1983). Cardiac and electrodermal responses to aversive and neutral feedback in a memory task. Psychophysiology, 20, 431.
- Jacobson, R.C., Rhodes, D.L. & Chapman, C.R. (1984). Independent effects of stimulus intensity and interstimulus interval on pain-evoked potentials. Pain, Suppl 2: S166.
- Rhodes, D.L., Buckley, J., Buffington, V. & Chapman, C.R. (1984). The effects of attention on evoked potentials to painful and nonpainful gingival stimulation. Psychophysiology, 21, 594.
- Luck, S.J. & Rhodes, D.L. (1986). The effects of sequence variability on the P300 component of the event-related potential. Psychophysiology, 23, 449.
- Weir, B. & Rhodes, D.L. (1990). P300 latencies in interactions between visual brightness and auditory pitch, Psychophysiology, 27, S74.
- Henik, A., Rafal, R. & Rhodes, D. (1991). Endogenously generated and visually guided saccades after lesions of the human frontal eye fields. Soc. Neurosci. Abstracts, 17, 858.

- Rhodes, D.L., Walker, J.J. & Gibson, B. (1993). Event-related potential correlates of inhibition of return (poster), West Coast Attention Conference, University of Oregon.
- Rhodes, D.L. & Robertson, L.C. (1996). Scene-based processing in visual attention (poster), Cognitive Neuroscience Society.
- Thomas, S.J., Woods, D.L., Yund, E.W., & Rhodes, D.L. (1997). Electrophysiological measures of brain function: a comparison of event-related brain potentials (ERPs) and event-related differences in EEG spectral power (ERDISPS), Soc. Neurosci. Abstracts, 23, 1586.
- Thomas, S.J., Rhodes, D., & Woods, D.L., (1998). Physiological mechanisms of object based and space based attention in dynamic displays (poster), Cognitive Neuroscience Society.
- Rhodes, D.L., Barnes, L., Davis, J. & Robertson, L.C., (1998). Directing attention in viewer- and environment-based reference frames, CSAIL.
- Rhodes, D.L. & Ross, L., (1998). The effect of nicotine on exogenous and endogenous spatial attention in non-smokers (poster), Society for Psychophysiological Research.
- Rhodes, D.L. & Montgomery, S. (1999). Attention-centered reference frames, CSAIL.
- Rhodes, D. & Montgomery, S. (2000). Attention-centered spatial asymmetries (poster), Cognitive Neuroscience Society.
- Flevaris, A., Montgomery, S. & Rhodes, D. (2001) What's left and what's right: attention-centering of reference frames (poster), CSAIL

Other professional activities:

- Departmental reviews: Colorado College, Bates College
- External reviewer for faculty promotion decisions at Claremont McKenna, Macalester College, Willamette University, Pomona College, Davidson College, Haverford College, Lewis & Clark College, University of Colorado
- Department representative for the design and construction of the new Reed psychology facilities (1990-93)
- Publications Committee, Society for Psychophysiological Research, 1995-97
- Psychology Panel, NSF Graduate Fellowships, Member 1995-97, Chair 1998 & 1999
- Reviewer of small grant applications: DOE FIPSE grants, OHSU Alzheimer's Center, NSF RUI research equipment
- Ad hoc reviewer: NSF RUI major research equipment grants
- Manuscript reviews: Perception, Psychophysiology, Psychonomic Bulletin & Review, Perception & Psychophysics
- Intel Northwest Science Expo Judge, Head Category Judge 2003, 2004
- Intel International Science and Engineering Fair Judge, Category Co-chair, 2004
- Consultant, NSF-CCLI grant to Eastern Oregon University, "Inquiry-based laboratories with a biobehavioral emphasis for introductory psychology," 9/03-9/06.

Committee Work at Reed:

Elected faculty committees:

Faculty Advisory Committee (1982/83, 1985/86, 1987/88)
Committee on Academic Planning & Policy (1988/89)
Committee on Advancement and Tenure (1991/92, 1992/93, 1993/94)
Appeals & Review (1995/96, 1999/2000)

Admission Committee (1980-82)
Community Affairs Committee (fall, 1997)
Community Senate (1977/78)
Department Chair (1984-89, 1997-2000)
Drug and Alcohol Policy Committee (Chair, 1990-1992)
Educational Mission & Goals Committee (1982-85)
Facilities Master Plan Committee (1988/89)
Human Subjects Research Committee (Chair, 2000/01, 2002-2004)
Judicial Review Committee (Chair, 1988/89)
Library Board (2005/06)
Mellon/Sloan Grants Steering Committee (1986-89)
Premedical Advisor (1984-87)
Science Buildings Planning Committee (1990-1993)
Search Committees
 Approximately 20 faculty appointments
 Dean of Students (1985)
 President of the College (1987/88)

Courses Taught:

Introductory Psychology (most recently: fall, 2007)
Psychobiology
Psychobiology Research
Psychopharmacology
Sensation and Perception
Junior Seminar
Affects & Emotions (most recently: spring, 2008)
Face Perception (most recently: fall, 2006)
Psychological Perspectives on Art (spring, 2011)

Senior theses supervised directly (1990-2006)

Atteberry, P. (1990) Brain dopamine: Influence of d-amphetamine on behavioral variability within an operant paradigm
Bacelis, A. (1998) Central nervous system acetylcholinesterase inhibition from coexposure to pyridostigmine and blood-brain barrier-weakening stress
Beck, V. (2003) Effects of nicotine on orientation to novelty in human non-smokers

- Cannon, C. (1996) Exogenous and endogenous visual spatial attention: Cue attributes and task demands
- Churchland, M. (1995) Neural network approaches to understanding visual persistence
- Davis, J. (1998) Spatial biases in the letter reflection task
- Diver, N. (1999) Spatial attention in individuals with reading difficulties
- Duvel, A. (1994) Hippocampal lesions and behavioral variability
- Gibson, R. (1992) Synesthetically corresponding dimensions: Semantic or sensory?
- Ferris, R. (2004) Categorization of unfamiliar faces influences recognition memory
- Flevaris, A. (2001) Defining the origin of the scene-based reference frame
- Freed, E. (2004) Image and text in the understanding of cartoons
- Fulton, C. (1999) The selection of local v. global reference frames
- Funk, M. (1994) Addiction to stress: an animal model
- Galligan, S. (2001) The alcohol deprivation effect: An animal model of craving
- Garza, J. (2001) Engaging and maintaining the axes of an ambiguous object-based frame: probing with the Simon effect
- Grissom, N. (2003) Affective priming and the race-based search asymmetry
- Horner, M. (1991) An examination of different modes of visuo-spatial selective attention using event-related potentials
- Janata, P. (1990) An event-related brain potential investigation of a harmonic context: A step toward a psychophysiological theory of music perception
- Janowitz, H. (1993) Context violations in music
- John, S. (1991) Detection of deception using event-related potentials
- King, M. (1999) The influence of static and dynamic spatial attention on the interpretation of ambiguous figures
- Killingsworth, S. (2003) A Simon effect for the direction of linear motion
- Kipnis, C. (1998) Is behavioral variability memory-based? Pharmacological approaches
- Masinovsky, S. (2004) The affective component of cross-race faces in priming and visual search paradigms
- Miller, M. (2001) Gamma-band topography during object and spatial working memory
- Mitchell, J. (1992) Event-related potential correlates of aversive feedback
- Montgomery, S. (1999) Attention-centering of scene-based processing
- Morgan, D. (1996) Conceptual frames of reference: Testing Logan's theory
- Nash, C. (1994) The lateralized readiness potential as an index of response competition in the interaction between pitch and brightness
- Nunez, R. (1996) Is imagery retinotopically represented?
- Perry, J. (1999) Acupuncture and TENS in the treatment of heroin addiction: implications of a dopamine theory
- Ross, L. (1998) The effects of nicotine on visual spatial attention in non-smokers
- Schriber, R. (2006). The interactive effect of regulatory focus and self-construal on global-local processing
- Sparrow, J. (1993) Inherent variability and the behavior of Spontaneously Hypertensive rats as compared to Wistar Kyoto rats in a continuously rebaited radial arm maze
- Stickney, A. (2006). The effects of fear and sadness on automatic intergroup discrimination in the minimal group paradigm

- Surkan, P. (1992) Auditory prestimulation effects on visual spatial attention
- Tubridy, S. (2000) Scene-based frames of reference and viewpoint-dependent object recognition
- Weir, B. (1990) P300 latency tests of cross-modality interactions in the Garner paradigm
- Walker, J.J. (1994) Event-related potential investigations of correspondences between the semantic meaning of words and spatial location
- Walsh, T. (1995) The effects of punishment on learning in tasks with differing attentional requirements
- Ware, L. (2000) The role of eye movements in the formation of spatial representations
- Wu, G. (2002) The search for an intrinsic scene-based frame of reference

Some students of distinction whom I've supervised:

- Marie Balaban, Ph.D. in Psychology, University of Wisconsin; Professor of Psychology, Eastern Oregon University
- Anne Calof, NSF Graduate Fellowship; Ph.D. in Neuroscience, UCSF; Professor, Department of Biology, University of California at Irvine
- Ruth Carper, Ph.D. in Neuroscience, UCSD; post-doc, research scientist, UCSD
- Mark Churchland, NSF Graduate Fellowship, Ph.D. in Neuroscience, UCSF; post-doc, neuroscience & electrical engineering, Stanford University
- Lorenzo Cohen, Ph.D, Armed Services University; Research Professor at the M.C. Anderson Cancer Center, University of Texas, Houston
- Ani Flevaris, Ph.D. Psychology, UC Berkeley; post-doc in Neuroscience, UC San Diego
- John Garza, Ph.D. Psychology, University of Denver; post-doc in Cognitive Developmental Neuroscience, University of Nebraska-Lincoln
- Nicola Grissom, Ph.D. Psychologys, University of Michigan; post-doc in pharmacology, University of Pennsylvania
- Michele Jonsson Funk, Ph.D. in Epidemiology, University of North Carolina; Research Assistant Professor, Dept of Epidemiology, University of North Carolina, Chapel Hill
- Petr Janata, Fulbright Fellowship; Ph.D., Neuroscience, University of Oregon; post-docs, University of Chicago, Dartmouth; Professor of Psychology, University of California Davis
- Jeri Janowsky, Ph.D. in Psychology, Cornell University; post-doc, UCSD; Professor of Behavioral Neuroscience, Oregon Health & Sciences University; currently Executive Director of Saturday Academy, Portland OR
- Elizabeth Jerison, Ph.D. in Psychology, University of Illinois; private practice in Los Angeles
- Sasha John, Ph.D. in Psychology; Research Associate, The Rotman Research Institute, Baycrest Hospital, Toronto; Assistant Professor, Cross-appointment Institute of Biomaterials and Biomedical Engineering, University of Toronto
- Matthew Kurtz, Ph.D., in Psychology, Princeton University; "re-tread" in clinical neuropsychology, NYU; post-doc, University of Pennsylvania; Assistant Professor of Psychology, Wesleyan University
- Steven Luck, NSF Graduate Fellowship; Ph.D. in Neuroscience, UCSD; Professor of Psychology, University of California, Davis

Mark Miller, Ph.D. in Neuroscience, Brandeis University; post-doc Keck Center for Integrative Neuroscience, UCSF

Jennifer Mitchell, NSF Graduate Research Fellowship, Ph.D., Neuroscience, UCSF; Assistant Adjunct Professor, Gallo Clinic & Research Center, UCSF

Sean Montgomery, Ph.D. Psychology, Rutgers University; Engineer SensorStar Inc, Owner Vital Threads Biofeedback Apparel

Pamela Surkan, Fulbright Fellowship; Sc.D. Department of Public Health, Harvard University; Assistant Professor at Johns Hopkins Bloomberg School of Public Health

Cyma Van Petten, Ph.D. in Neuroscience, UCSD; Professor of Psychology, SUNY Binghamton

Liza Ware, Ph.D. in Psychology, Northwestern University; Assistant Professor of Psychology, Viterbo University

Current graduate students

Valerie Beck, Psychology, University of Iowa, NSF Graduate Research Fellowship

Stephen Killingsworth, Psychology, Vanderbilt University

Roberta Schriber, Psychology, University of California, Davis