

1/31/18

## **Jerry W. Rudy Curriculum Vitae**

Department of Psychology  
University of Colorado  
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Boulder, Colorado 80303

Birth Date: April 24, 1942

Marital Status: Married

### ***Education***

1964	Psychology	B.A.	George Washington University, Washington D. C.
1967	Psychology	M.A.	University of Richmond, Richmond, Virginia
1970	Psychology	Ph. D.	University of Virginia, Charlottesville, Virginia

### ***Professional Experience***

2016-present	Chair, Department of Psychology and Neuroscience
2012-Present	Director, Undergraduate Neuroscience Program
2010-present	Associate Chair, Faculty Development, University of Colorado
2009-present	College Professor of Distinction, University of Colorado
2004-2004	Associate Dean of Sciences, Interim
1995-2003	Chair, Department of Psychology
1984-present	Professor, University of Colorado
1980-1984	Associate Professor, University of Colorado
1973-1980	Assistant Professor, Princeton University
1972-1973	Assistant Professor, University of Rochester
1971-1972	NIH Postdoctoral Fellow , Yale University
1970-1971	Research Associate, Yale University
1969-1970	NIH Predoctoral Fellow, University of Virginia,
1967-1969	Research Assistant, University of Virginia
1966-1967	Research Assistant, University of Richmond

### ***Areas Of Specialization***

Learning and Memory  
Pavlovian Conditioning  
Ontogeny of Learning and Memory  
The Hippocampus and Memory

### ***Professional Responsibilities***

Editor:	Developmental Psychobiology	1991-1994
Associate Editor	Neurobiology of Learning and Memory	2011-2013
Editorial Board:	Developmental Psychobiology	1985-2002
	Psychobiology	1986-1998
	Journal of Experimental Psychology: Animal Behavior Processes	1974-1985
	Behavioral Neuroscience	1996-2012
	Neuroscience & Biobehavioral Reviews	1995-2012
	Learning and Memory	2007-present
	Neurobiology of Learning and Memory	2008-present

Grant Reviews	NIH IFCN-7 Study Section	1998-2002
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Governing Boards International Society for Developmental Psychobiology 1986-1988  
Ad-hoc Reviewer for the following journals:

Learning and Motivation	Neurobiology of Learning & Memory
Animal Learning and Behavior	Journal of Neuroscience
Science	Psychological Review
Psychological Bulletin	Learning & Memory
Nature	Nature Neuroscience
European J. Neuroscience	Hippocampus
Nature Neuroscience	

### **Awards and Honors**

1969 Phi Sigma Award, Outstanding Graduate Student in the Life Sciences, University of Virginia  
1969-1970 NIH Predoctoral Fellowship  
1971-1972 NIH Postdoctoral Fellowship  
1989 President, International Society for Developmental Psychobiology  
1993 Developmental Disabilities Center (Boulder), Community Service Award: Education  
1996 Department Service Award  
2002 Boulder Faculty Assembly Service Award  
2006 Department Research Award  
2007 Department Teaching Award  
2009 College Professor of Distinction

### **Research Support: JRudy (PI)**

#### **Inactive**

NIH	Conjunctive Representations in Cortex and Hippocampus 5 years \$1.2M TDC	2004-2009
NIH	Conjunctive Representations in Cortex and Hippocampus 4 years TDC : 575,000 TIDC: 245,000 J. Rudy PI (R. O'Reilly, co PI)	2000-2004
NIH	Immune activation of hippocampal IL-1beta and memory. 5years , \$1.2M TDC (Maier & Watkins, Co PIs)	2002-2007
NSF	Associative and attentional processes operating in Pavlovian conditioning (\$50,000, total). J. Rudy (PI)	1973-1975
NSF	Pavlovian Conditioning: Memory mechanisms for the CS (\$50,000, total). J. Rudy (PI)	1975-77
NIDA	Perinatal Opiates and Cognitive Development (65,940/85-86, Direct) (64,321/86-87, Direct). J. Rudy (PI)	1985-1987
NSF	A Developmental Psychobiological Analysis of Learning. (\$100,000, total). J. Rudy (PI)	1982-1985 1985-1987
NICHHD	Training Grant, Developmental Psychobiology: Learning, Memory, (\$74,080/year). J. Rudy, Program Director	1985-1986
NICHHD	Nutrition and Cognitive Development: An Animal Model. (\$100,000, Direct cost). J. Rudy (PI)	1987-1990
NSF	Configural Association Theory and Hippocampal Function in Learning and Memory (\$20,000, total). J. Rudy (PI)SYNERGEN: Configural associations in gerbils 3 months \$4500 1993	1990-1992
NIMH:	Configural associations theory and memory development. 3 years Total Cost (\$221,000) J. Rudy (PI)	1992-1995

## Publications

### Books

Rudy, J. W. (2008) *The Neurobiology of Learning and Memory*. Sunderland, MA: Sinauer Associates Inc.

Rudy, J. W. (2014) *The Neurobiology of Learning and Memory 2<sup>nd</sup> edition*. Sunderland, MA: Sinauer Associates Inc.

### Articles

#### 1966-1970

1. Patten, R. L. and Rudy, J. W. (1967). The effect on choice behavior of cues paired with noncontingent reward. *Psychonomic Science*, 6, 121-122.
2. Patten, R. L. and Rudy, J. W. (1967). Orienting during classical conditioning: Acquired versus unconditioned responding. *Psychonomic Science*, 7, 27-28.
3. Patten, R. L. and Rudy, J. W. (1967). The Sheffield omission training procedure applied to the conditioning of the licking response in rats. *Psychonomic Science*, 8, 463-464.
4. Homzie, M. J., Rudy, J. W. and Carter, E. N. (1969). Runway performance in rats as a function of goal-box placements and goal-event sequence. *Journal of Comparative and Physiological Psychology*, 71, 283-291.
5. Rudy, J. W., Homzie, M. J., Cox, R. D., Graeber, R. C. and Carter, E. N. (1970). Effects of sequential manipulations in the within-subjects partial reinforcement experiment with rats. *Journal of Comparative and Physiological Psychology*, 72, 105-115.
6. Rudy, J. W. and Homzie, M. J. (1970). Within-subjects partial reinforcement with rats: Sequence and discriminability of reinforcement events. *Journal of Comparative and Physiological Psychology*, 73, 465-469.
7. Homzie, M. J. and Rudy, J. W. (1971). Effect on runway performance of reinforcement contingencies established to empty goal-box placements. *Learning and Motivation*, 2, 95-101.

#### 1971-1975

8. Rudy, J. W. (1971). Sequential variables as determiners of the rat's discrimination of reinforcement events: Effects on extinction performance. *Journal of Comparative and Physiological Psychology*, 77, 476-481.
9. Wagner, A. R., Rudy, J. W. and Whitlow, J. W. (1973). Rehearsal in animal condition. *Journal of Experimental Psychology, Monograph*, 3, 407-426.
10. Rudy, J. W. (1974). Stimulus selection in animal conditioning and paired associate learning: Variations in the associative process. *Journal of Verbal Learning and Verbal Behavior*, 13, 282-296.
11. Rudy, J. W. and Wagner, A. R. (1975). Stimulus selection in associative learning. In W. K. Estes (Ed.), *Handbook of Learning and Cognitive Processes* (Vol. 2). Hillsdale, New Jersey: Lawrence Erlbaum Associates.

#### 1976-1980

12. Rudy, J. W., Krauter, E. E. and Gaffuri, A. (1976). Attenuation of the "latent-inhibition effect" by prior exposure to another stimulus. *Journal of Experimental Psychology: Animal Behavior Processes*, 2, 235-247.
13. Rudy, J. W., Iwens, J. and Best, P. J. (1977). Pairing novel exteroceptive cues and illness reduces illness-induced taste aversions. *Journal of Experimental Psychology: Animal Behavior Processes*, 1977, 3, 14-25.

14. Rudy, J. W., Rosenberg, L. and Sandell, J. H. (1977). Disruption of a taste familiarity effect by novel exteroceptive stimulation. *Journal of Experimental Psychology: Animal Behavior Processes*, 3, 26-36.
15. Rudy, J. W. and Cheatele, M. D. (1978). Odor-aversion learning by neonatal rats. *Science*, 198, 845-846.
16. Rudy, J. W. and Cheatele, M. D. (1978). A role for conditioned stimulus duration in toxiphobia conditioning. *Journal of Experimental Psychology: Animal Behavior Processes*, 4, 237-249.
17. Cheatele, M. D. and Rudy, J. W. (1978). Analysis of second-order odor-aversion conditioning in neonatal rats: Implications for Kamin's blocking effect. *Journal of Experimental Psychology: Animal Behavior Processes*, 4, 237-249.
18. Rudy, J. W. and Cheatele, M. D. (1979). Ontogeny of associative learning: Acquisition of odor aversions by neonatal rats. In N. E. Spear and B. A. Campbell (Eds.), *Ontogeny of Learning and Memory*. New Jersey: Lawrence Erlbaum and Associates.
19. Cheatele, M. D. and Rudy, J. W. Ontogeny of second-order odor-aversion conditioning in neonatal rats. *Journal of Experimental Psychology: Animal Behavior Processes*, 1979, 5, 142-151.
20. Rudy, J. W. and Cheatele, M. D. (1980). Odor-aversion learning by neonatal rats: Ontogeny of osmic memory. In D. Mueller-Schwarze and R. M. Silverstein (Eds.), *Chemical Signals: Vertebrates and Aquatic Invertebrates*. New York: Plenum Press.

### 1981-1985

21. Sahley, C. L., Gelperin, A. and Rudy, J. W. (1981). One trial associative learning in a terrestrial mollusc. *Proceedings of the National Academy of Science*, 78, 640-642.
22. Sahley, C. L., Gelperin, A. and Rudy, J. W. Food aversion learning in the terrestrial mollusc *Limax maximus*. A model system in which to study the neural basis of associative learning. In J. Saianki (Ed.), *Advances in the Physiological Sciences, Vol. 23, Neurobiology of Invertebrates*. London: Pergamon Press, 1981.
23. Sahley, C. L., Rudy, J. W. and Gelperin, A. (1981). An analysis of associative learning in a terrestrial mollusc. I. Higher order conditioning, blocking and a transient US preexposure effect. *Journal of Comparative Physiology*, 144, 1-8.
24. Rudy, J. W. and Hyson, R. L. (1982). Consummatory response conditioning to an auditory stimulus in neonatal rats. *Behavioral and Neural Biology*, 34, 209-214.
25. Rudy, J. W. and Cheatele, M. D. (1983). Odor-aversion learning by rats following LiCl exposure: Ontogenetic influences. *Developmental Psychobiology*, 16, 13-22.
26. Rudy, J. W., Vogt, M. B. and Hyson, R. L. (1984). A developmental analysis of the rat's learned reactions to gustatory and auditory stimulation. In R. Kail and N. E. Spear (Eds.), *Comparative Perspectives on Memory Development*. Hillsdale, New Jersey: Lawrence Erlbaum Associates
27. Sahley, C. L., Rudy, J. W. and Gelperin, A. (1984). Associative learning in a mollusc: A comparative approach. In D. Alkon and J. Farley (Eds.), *Primary Neural Substrates of Learning and Behavioral Change*. Boston: Cambridge University Press.
28. Vogt, M. B. and Rudy, J. W. (1984). Ontogenesis of learning. I. Variation in the rat's reflexive and learned responses to gustatory stimulation. *Developmental Psychobiology*, 17, 11-33.
29. Hyson, R. L. and Rudy, J. W. (1984). Ontogenesis of learning. II. Variation in the rat's reflexive and learned responses to acoustic stimulation. *Developmental Psychobiology*, 1984, 17, 263-283.
30. Rudy, J. W. and Hyson, R. L. (1984). Ontogenesis of learning. III. Variation in the rat's differential reflexive and learned responses to sound frequencies. *Developmental Psychobiology*, 17, 285-300.
31. Vogt, M. B. and Rudy, J. W. (1984). Ontogenesis of learning. IV. Dissociation of memory and perceptual-alerting processes mediating taste neophobia in the rat. *Developmental Psychobiology*, 17, 601-611.
32. Rudy, J. W. (1985). An appreciation of higher-order conditioning and blocking. In M. Commons, R. J. Herrnstein, and A. R. Wagner (Eds.), *Quantitative Analyses of Behavior*, (Vol. 3: Acquisition). Cambridge: Ballinger.
33. Camp, L. L. and Rudy, J. W. (1985). Ontogenesis of learning. V. Variation in associative and nonassociative control of an operant forelimb response in infant rats. *Developmental Psychobiology*, 18, 173-189.

34. Moye, T. B. and Rudy, J.W. Ontogenesis of learning. VI. Learned and unlearned responses to visual stimulation in the infant hooded rat. *Developmental Psychobiology*, 1985, 18,395-409.
35. Bashinski, H. S., Werner, J. S. and Rudy, J. W. (1985). Determiners of infant visual fixation: Evidence for a two process theory. *Journal of Experimental Child Psychology*, 39, 580-598.

### **1986-1990**

36. Vogt, M. B. and Rudy, J. W. (1986). Neonatal hyperthyroidism in the rat: Thyroxine accelerates the development of reflexive but not learned responses to tastes. *Behavioral and Neural Biology*, 46, 358-371.
37. Rudy, J. W., Stadler-Morris, S. and Albert, P. A. (1987). Ontogeny of spatial navigation behaviors in the rat: Dissociation of "proximal-" and "distal-cue" based behaviors. *Behavioral Neurosciences*, 101, 62-73.
38. Moye, T. B. and Rudy, J. W. (1987). Ontogenesis of trace conditioning in young rats: Dissociation of associative and memory processes. *Developmental Psychobiology*, 20, 405-414.
39. Rudy, J. W. and Stadler-Morris, S. (1987). The development of interocular transfer by rats trained on a distal-cue navigation task. *Behavioral Neuroscience*, 101, 141-143.
40. Hyson, R. L. and Rudy, J. W. (1987). Ontogenetic changes in the analysis of sound frequency in the infant rat. *Developmental Psychobiology*, 20, 189-208.
41. Castro, C. A. and Rudy, J. W. (1987). Early-life malnutrition selectively retards the development of distal- but not proximal-cue navigation. *Developmental Psychobiology*, 20, 521-537.
42. Rudy, J. W. and Castro, C. A. (1987). A developmental analysis of brightness discrimination learning in the rat: Evidence for an attentional deficit. *Psychobiology*, 15, 79-86
43. Moye, T. B. and Rudy, J. W. (1987). Visually mediated trace conditioning in young rats: Evidence for cholinergic involvement in the development of associative memory. *Psychobiology*, 15, 128-136.
44. Camp, L. L. and Rudy, J. W. (1987). Changes in the categorization of appetitive and aversive events during postnatal development of the rat. *Developmental Psychobiology*, 21, 25-42.
45. Camp, L. L. and Rudy, J. W. (1987). Behavioral activation in infant rats: Pharmacological evidence for dopaminergic mediation. *Psychobiology*, 25, 317-328.
46. Rudy, J. W. and Paylor, R. The development of interocular equivalence of place learning requires convergence sites established prior to training. *Behavioral Neuroscience*, 1987, 101, 732-734.
47. Rudy, J. W. and Paylor, R. (1988). Reducing the temporal demands of the Morris place learning task fails to ameliorate the place-learning impairment in preweanling rats. *Psychobiology*, 16, 152-156.
48. Sutherland, R. J. and Rudy, J. W. (1988). Place learning in the Morris place learning task is impaired by damage to the hippocampal formation even if the temporal demands are reduced. *Psychobiology*, 16, 157-163.
49. Sutherland, R. S. and Rudy, J. W. (1989). Configural association theory: The role of the hippocampal formation in learning, memory, and amnesia. *Psychobiology*, 17, 129-144.
50. Castro, C. A., Paylor, R. and Rudy, J. W. A developmental analysis of the learning and short-term memory processes mediating performance in conditional-spatial discrimination problems. *Psychobiology*, 1987, 15, 308-316.
51. Castro, C. A. and Rudy, J. W. (1989). Early-life malnutrition impairs the performance of both young and adult rats on visual discrimination learning problems. *Developmental Psychobiology*, 22, 15-28.
52. Sutherland, R. J., McDonald, R. J., Hill, C. R. , and Rudy, J. W. (1989). Damage to the hippocampal formation in rats selectively impairs the ability to learn cue relations. *Behavioral and Neural Biology*, 52, 331-356.
53. Sutherland, R. J. and Rudy, J. W. (1989). Configural association theory: The role of the hippocampal formation in learning, memory, and amnesia. *Psychobiology*, 17, 129-144.
54. Rudy, J. W. and Sutherland, R. J. (1989). The hippocampal formation is necessary for rats to learn and remember configural discriminations. *Behavioral Brain Research*, 34, 97-109.
55. Castro, C. A., Tracy, M. and Rudy, J. W. (1989). Early-life undernutrition impairs the development of the learning and short-term memory processes mediating performance in a conditional spatial discrimination task. *Behavioral Brain Research*, 32, 255-264.

56. Kaplan, P. S., Werner, J. S. and Rudy, J. W. (1990). Habituation, sensitization and infant visual attention. In C. Rovee-Collier and L. P. Lipsitt (Eds.), *Advances in Infancy Research*, 6, pp. 61-109. Norwood, N.J.: Ablex Publishing Corp.
57. Paylor, R. and Rudy, J. W. (1990). Cholinergic receptor blockage can impair the rat's performance on both the place learning and cued versions of the Morris water task: The role of age and pool wall brightness. *Behavioral Brain Research*, 36, 79-90.
58. Rudy, J. W. and Castro, C. A. Undernutrition during the brain growth period of the rat significantly delays the development of processes mediating Pavlovian trace conditioning. *Behavioral and Neural Biology*, 1990, 53, 307-320.
59. Keith, J. R. and Rudy, J. W. Why NMDA-receptor-dependent long-term potentiation may not be a mechanism of learning and memory: Reappraisal of the NMDA-receptor blockade strategy. *Psychobiology*, 1990, 18, 251-257.
60. Rudy, J. W. and Keith, J. R. (1990). Why NMDA-receptor-dependent long-term potentiation may not be a learning and memory mechanism, or is it memorex? A reply to Morris, Gallagher, and Staubli. *Psychobiology*, 18, 269-272.

### **1991-1995**

61. Spear, N. E. and Rudy, J. W. (1991). Test of the ontogeny of learning and memory : Issues, methods and results. In H.N. Shair, G.A Barr, M. A. Hofer (Eds.) *Developmental Psychobiology: New Methods and Changing Concepts*. New York: Oxford University Press.
62. Rudy, J. W. (1991). Elemental and configural associations, the hippocampus and development. *Developmental Psychobiology*, 24, 220-221.
63. Warren, D. A., Castro, C. A., Rudy, J. W. and Maier, S. F. (1991). No spatial learning impairment following exposure to inescapable shock. *Psychobiology*, 19, 127-134.
64. Carew, M. B. and Rudy, J. W. (1991). Multiple functions of context during conditioning: A developmental analysis. *Developmental Psychobiology*, 21, 191-209.
65. Sutherland, R. J. and Rudy, J. W. (1991). Exceptions to the rule space. *Hippocampus*, 1, 250-252. (Invited commentary).
66. Paylor, R., Rudy, J. W., and Wehner, J. M. Acute phorbol ester treatment improves spatial learning performance in the rats. *Behavioral Brain Research*, 1991, 45, 189-193.
67. Rudy, J. W. and Sutherland, R. J. (1994). Wait a minute, Jarrard and Davidson's data support configural theory. *Hippocampus*, 2, 89. (Letter to the Editor.)
68. Rudy, J. W. and Sutherland, R. J. (1992). Configural and elemental associations and the memory coherence problem. *Journal of Cognitive Neuroscience*, 4, 208- 216.
69. Rudy, J. W. (1992). Development of Learning: From elementistic to configural association systems. In C. Rovee-Collier, and L. Lipsitt (Eds.), *Advances in Infancy Research*. Norwood, N.J.: Ablex Publishing Corp.
70. Alvarado, M. A. and Rudy, J. W. (1992). Some properties of configural learning: An investigation of the transverse patterning problem. *Journal of Experimental Psychology: Animal Behavioral Processes*, 18, 145-153.
71. Paylor, R., Morrison, S. K., Rudy, J. W., Waltrip, L. T., and Wehner, J. M. (1992). Brief exposure to an enriched environment improves performance on the Morris water task and increases hippocampal cytosolic protein kinase C activity in young rats. *Behavioral Brain Research*, 52, 49-59.
72. Rudy, J. W., Keith, J. and Georgian, K. (1993). The effect age on children's learning of problems that require a configural association solution. *Developmental Psychobiology*, 26, 171-183.
73. Rudy, J. W. (1993). Contextual and auditory cue conditioning dissociate during development. *Behavioral Neuroscience*, 107, 887-891.
74. Castro, C. A. & Rudy, J. W. Impaired short-term memory resulting from undernutrition is attenuated by physostigmine. *Behavioral and Neural Biology*, 1993, 60, 282-285.
75. Rudy, J. W. & Sutherland, R. J. (1994). The memory coherence problem, configural associations and the hippocampal system. In D. Schacter & E. Tulving (Eds.) *Memory Systems*, Cambridge: MIT Press, pp. 119-147.
76. Rudy, J. W. & Morledge, P. (1994). The ontogeny of contextural fear conditioning: Implications for consolidation, infantile amnesia, and hippocampal system function. *Behavioral Neuroscience*, 108, 227-234.

77. Paylor, R., Tracy, R., Wehner, J., & Rudy, J. W. (1994). DBA/2 and C57BL/6 mice differ in contextual fear but not auditory fear conditioning. *Behavioral Neuroscience*, *108*, 810-817.
78. Rudy, J. W. (1994). Ontogeny of context specific latent inhibition of conditioned fear: Implications for configural association theory and the hippocampal formation. *Developmental Psychobiology*, *27*, 367-379.
79. Alvarado M. C. & Rudy, J. W. (1995). Rats with damage to the hippocampal formation are impaired on the transverse patterning problem but not on elemental discriminations. *Behavioral Neuroscience*, *109*, 204-211.
80. Alvarado M. C. & Rudy, J. W. (1995). A comparison of "configural discrimination problems: Implications for understanding the role of the hippocampal formation in learning and memory. *Psychobiology*, *23*, 178-184.
81. Rudy, J. W. & Sutherland, R. J. (1995). Configural Association Theory and the Hippocampal Formation: An Appraisal and Reconfiguration. *Hippocampus*, *5*, 375-389.
82. Alvarado M. C. & Rudy, J. W. (1995). A comparison of kainic acid + colchicine and ibotenic acid induced hippocampal formation damage on four configural tasks. *Behavioral Neuroscience*, *109*, 1052-1062.

### **1996-2000**

83. Rudy, J. W. (1996). Scopolamine administered before and after training impairs both auditory and contextual conditioning. *Neurobiology of Learning and Memory*, *65*, 73-81
84. Pugh, C. R. & Rudy, J. W. (1996). A developmental analysis of contextual fear conditioning. *Developmental Psychobiology*, *29*, 87-100.
85. Rudy, J. W. (1996). Post conditioning isolation disrupts contextual conditioning: An Experimental Analysis. *Behavioral Neuroscience*, *110*, 238-246.
86. Rudy, J. W. & Pugh, C. R. (1996). A comparison of contextual and generalized auditory-cue fear conditioning: Evidence for similar memory processes. *Behavioral Neuroscience*, *110*, 1299-1308.
87. Pugh, C. R., Fleshner, M., & Rudy, J. W. (1997). Type II glucocorticoid receptor antagonist impair contextual but not auditory-cue fear conditioning in juvenile rats. *Neurobiology of Learning and Memory*, *67*, 75-79
88. Pugh, C. R., Tremblay, D., Fleshner, M., & Rudy, J. W. (1997). A selective role for corticosterone in contextual fear conditioning. *Behavioral Neuroscience*, *111*, 503-511.
89. Fleshner, M., Pugh, C. R., Tremblay, D., & Rudy, J. W. (1997). DHEAS selectively impairs contextual fear conditioning: Support for the antiglucocorticoid hypothesis. *Behavioral Neuroscience*, *111*, 512-517.
90. Fanselow, M. S. & Rudy, J. W. (1998). Convergence of Experimental and Developmental Approaches to Animal Learning and Memory Processes. In Carew, T, Menzel, R., & Shatz, C. *Mechanistic Relationships between Development and Learning: Beyond Metaphor*. Dahlem Workshop Report. Chichester: John Wiley & Sons Ltd, pp 15-29.
91. Hudson, R. E., Bachevalier, J., Doupe, A., Fanselow, M. S. Kuhl, Menzel, Morriss, R. G. M., Rudy, J. W., Squire, L. R. (1998). Group Report: What does behavior tell us about the relationship between development and learning. In Carew, T, Menzel, R., & Shatz, C. *Mechanistic Relationships between Development and Learning: Beyond Metaphor*. Dahlem Workshop Report. Chichester: John Wiley & Sons Ltd, pp 75-93.
92. Rudy, J. W. & Keith, J. R. (1998). LTP and memory: Deja vu (Commentary). *Behavioral and Brain Sciences*, *20*, 629.
93. Rudy, J. W. & Pugh, C. R. (1998). Time of conditioning selectively influences contextual fear conditioning: Further support for a multiple-memory systems view of fear conditioning. *Journal of Experimental Psychology: Animal Behavior Processes*, *24*, 316-324.
94. Pugh, C. R. Kumagawa, K. Fleshner, M. Watkins, L. R. Maier, & Rudy, J. W. (in press). Selective effects of peripheral lipopolysaccharide administration on contextual and auditory cue fear conditioning. *Brain, Behavior, and Immunity*.
95. Sircar, R. and Rudy, J.W. (1998). Repeated neonatal phencyclidine treatment impairs performance of a spatial task in juvenile rats. *Annals of the New York Academy of Sciences* (Vol 844) The Neurochemistry of drugs of abuse, Ed. S.F. Ali, pp 303-309.
96. Rudy, J.W., Kuwagama, K., Pugh, C. R. (1999) Isolation reduces contextual but not auditory-cue fear conditioning: A role for endogenous opioids. *Behavioral Neuroscience*, *113*, 316-323.

97. Pugh, R. C. Nguyen, K. T., Gonyea, J. L., Fleshner M., Watkins, L., R., Maier, S. F. & Rudy, J. W. (1999) Role of interleukin-1 beta in impairment of contextual fear conditioning caused by social isolation. *Behavioral Brain Research*, 106, 109-118
98. Rudy, J. W. & O'Reilly, R. C. (1999) Contextual fear conditioning, conjunctive representations, pattern completion, and the hippocampus. *Behavioral Neuroscience*.
99. Pugh, R.C., Johnson. J. D. Martin, D., Rudy, J. W., Maier, S. F., Watkins, L. R. (2000) Human immunodeficiency virus-1 coat protein gp120 impairs contextual fear conditioning: A potential role in AIDs related learning and memory impairments. *Brain Research*.
100. O'Reilly, R. C. & Rudy, J. W. (2000). Computational principles of learning in the neocortex and hippocampus. *Hippocampus*, 10, 389-397.

## 2001-2005

101. O'Reilly, R. C & Rudy, J. W. (2001). Conjunctive Representations in Learning and memory: Principles of cortical and hippocampal function. *Psychological Review*, 108, 311-345
102. Pugh, C. R., Fleshner, M., Watkins L. R., Maier, S. F. & Rudy, J. W. (2001).The immune system and memory consolidation: A role for the cytokine IL-1b. *Neuroscience and Biobehavioral Reviews*. 25, 29-41.
103. Rudy, J. W. & O'Reilly, R. C. (2001) Conjunctive representations, the hippocampus and contextual fear conditioning. *Cognitive, Affective and Behavioral Neuroscience*, 1, 66-82.
104. Barrientos, R.M., Higgins, E.A., Sprunger, D.B., Watkins, L.R., Rudy, J.W., Maier, S.F. (2002). Memory for context is impaired by a post context exposure injection of interleukin-1 beta into dorsal hippocampus. *Behavioural Brain Research*. 134, 299-306..
105. Barrientos, R. M., O'Reilly, R. C., & Rudy, J. W. (2002). Memory for context is impaired by injecting anisomycin into dorsal hippocampus following context exploration. *Behavioural Brain Research*.134,291-298.
106. Rudy, J. W., Barrientos, R. M. O'Reilly, R. C. (2002). The Hippocampal Formation Supports Conditioning to Memory of a Context. *Behavioral Neuroscience*, 116, 530-538.
107. Van Elzaker, M. O'Reilly, R. C., Rudy, J. W. (2003). Transitivity, flexibility, conjunctive representations and the hippocampus: I. An empirical analysis. *Hippocampus*, 13, 292-298.
108. Beane ML, Cole MA, Spencer RL, Rudy JW. (2002). Neonatal handling enhances contextual fear conditioning and alters corticosterone stress responses in young rats. *Horm Behav*. 2002 Feb;41(1):33-40
109. Frank, M.J., Rudy, J.W., & O'Reilly, R.C. (2003).Transitivity, flexibility, conjunctive representations and the hippocampus: II: A computational analysis. *Hippocampus*, 13, 299-312
110. Barrientos, R.M. Sprunger, D.B., Campeau, S., Higgins, L.R., Watkins, L.R., Rudy, J. W., Maier, S.F. (2003) Brain-derived neurotrophic factor mRNA downregulation produced by social isolation is blocked by intrahippocampal interleukin-1 receptor antagonists. *Neuroscience*. 121. 847-853.
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151. Rudy, J.W. (2009) Context Representations, Context Functions, and the Parahippocampal-Hippocampal System. *Learning and Memory*. 16, 573-585.
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157. Rudy, J.W. 2015/. Actin dynamics and the evolution of the memory trace. *Brain Research*. . <http://dx.doi.org/10.1016/j.brainres.2014.12.007>.
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### **Invited Presentations**

- 1974 William and Mary  
 1975 Princeton University  
 1976 University of Pennsylvania  
 1978 New York University  
 1979 State University of New York, Binghamton  
 1980 Brown University  
 1980 University of Colorado  
 1982 Princeton University  
 1984 Duke University  
 1985 University of Colorado Medical School

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1985 University of Richmond  
1986 University of North Carolina, Greensboro  
1986 Duke University  
1987 Johns Hopkins University  
1987 University of Virginia  
1987 State University of New York at Binghamton  
1989 University of Lethbridge  
1990 Yale University  
1990 Downstate Medical College  
1990 University of California, Irvine  
1990 Cambridge, UK: ISDP Presidential Address  
1991 San Francisco: APA Invited Address  
1993 University of New Mexico  
1994 Miami University of Ohio  
1994 University of Virginia Psychology Department Distinguished Alumni Lecture  
1994 University of Toronto, Department of Anatomy  
1995 UCLA Department of Psychology, Behavioral Neuroscience Seminar  
1997 University of Texas Medical School, Department of Neurobiology  
1997 Berlin Society For Neuroscience  
1999 American Psychological Science Meetings  
1999 University of Colorado  
2003 University of New Mexico  
2003 University of Lethbridge  
2004 UCLA  
2005 University of California, Irvine  
2006 Associate Learning Symposium, Wales  
2007 Colorado State University  
2009 Yale University  
2009 Duke University  
2010 University of Colorado Faculty Excellence Teaching Program, Keynote speaker

### ***Symposium Participation***

1979 Ontogeny of Learning and Memory SUNY, Binghamton  
1979 Chemical Signals in Vertebrates Syracuse University  
1980 Quantitative Analysis of Behavior Acquisition, Harvard University  
1981 Learning in Infant Animals Rocky Mountain Psychological Association  
1982 Comparative and Developmental Perspectives on Memory Purdue University  
1984 Presidential Symposium: Early Learning in Animals and Humans ISDP Meetings  
1988 Developmental Approaches to Learning and Memory, Winter Animal Learning Conference  
1988 The Role of the Hippocampus in Memory Animal Memory: Winter Neurobiology of Canadian Behavioral Neuroscience Conference  
1990 Early Malnutrition ISDP meetings  
1994 Configural Association Theory Reappraised; Winter Neurobiology of Learning and Memory  
1994 Context, Fear, and Reflexes: What They Can Teach Us about the Development and Neural Basis of Associative Learning, ISDP Meetings  
1995 Animal Models of Memory, Western Psychological Association  
1996 Ontogeny Of Learning, Teratology Society Meetings  
1997 Dahlem Conference, Mechanistic relationships Between Development and Learning Berlin  
2000 Memory Development, University of Otago  
2000 Alcohol Effects on Memory, Meeting of the Society for Alcohol Research  
2002 Winter Conference on Neural Plasticity, Tahiti  
2002 The Pain and Pleasure of a Testable Theory, ISDP  
2002 Meetings of the American College of Neuropsychopharmacology. San Juan Puerto Rico  
2007 Neurobiology of Learning and Memory, Winter Meeting, Park City