

CURRICULUM VITAE

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EDUCATION:

B.S. in Biology
Old Dominion University
Norfolk, Virginia

M.S. in Zoology
Old Dominion University
Norfolk, Virginia
Thesis title: *Endocrine Response of Aggressive and
Passive Mice to Space Deprivation and Increasing
Social Contact*
Thesis director: John H. Richardson, Sc.D., M.P.H.

Ph.D. in Pathobiology
School of Hygiene and Public Health
The Johns Hopkins University
Baltimore, Maryland
Dissertation title: *Parental Environment and the
Development of Behavior in Two Rodent Species,
Onychomys torridus and Peromyscus leucopus*
Dissertation director: Charles H. Southwick, Ph.D.

PROFESSIONAL EXPERIENCE:

1970-1971 Graduate Teaching Assistant
Department of Biology
Old Dominion University

1971-1972 Instructor in Science
I.C. Norcom High School
Portsmouth, Virginia

- 1972-1973 Predoctoral Trainee
National Institute of Mental Health Training Center
in the Ecology and Physiology of Behavior
Department of Pathobiology
School of Hygiene and Public Health
The Johns Hopkins University
Baltimore, Maryland
- 1973-1976 Research Assistant
Department of Pathobiology
School of Hygiene and Public Health
The Johns Hopkins University
Baltimore, Maryland
- 1975 Lecturer in Animal Behavior
Maryland Academy of Science
Baltimore, Maryland
- 1976-1978 Research Associate in Pharmacology
LCDR, U.S. Public Health Service
Laboratory of Clinical Science
National Institute of Mental Health
Bethesda, Maryland
Preceptor: Irwin J. Kopin, M.D.
- 1978-1984 Assistant Professor of Psychology
University of Virginia
Charlottesville, Virginia
- 1984-1985 Senior Fellow, Section on Biochemical Pharmacology
Hypertension-Endocrine Branch
National Heart, Lung and Blood Institute
Bethesda, Maryland
Sponsor: Walter M. Lovenberg, Ph.D.
- 1984-1988 Associate Professor of Psychology (with tenure)
University of Virginia
- 1985-1987 Associate Chair
Department of Psychology
University of Virginia
- 1985-1995 Behavioral Science Coordinator
FBI National Academy

Division of Continuing Education
University of Virginia

- 1987-1988 Interim Chair
Department of Psychology
University of Virginia
- 1988-2001 Professor of Psychology
University of Virginia
- 1990-1998 Chair, Department of Psychology
University of Virginia
- 1994-1995 Visiting Scientist
Clinical Neuroscience Branch
National Institute of Neurological Disorders and Stroke
Bethesda, Maryland
Sponsor: David S. Goldstein, M.D., Ph.D.
- 1998-2001 Executive Director for Science
Science Directorate
American Psychological Association
Washington, D.C.
- 2001-2008 Dean of the College of Arts and Science
Vanderbilt University
Nashville, Tennessee
- 2008-2014 Vice Chancellor for Academic Affairs and Provost
Vanderbilt University
- 2001-present Professor of Psychology
Vanderbilt University

HONORS, AWARDS, AND PROFESSIONAL AND COMMUNITY SERVICE:

National Institute of Mental Health Predoctoral Fellow, 1972-1973
Pharmacology Research Associate Training (PRAT) Fellow, 1976-1978
Associate, *Behavioral and Brain Sciences*, 1984
Senior Fellow, National Research Service Award, National Heart, Lung and Blood Institute,
1984-1985 (placement at the National Institutes of Health, Bethesda, MD)
Editorial Board, *Behavioral and Neural Biology*, 1985-1991
Fellow, Academy of Behavioral Medicine Research, year of election-1985 (no longer active)
Fellow, Society for Behavioral Medicine, year of election-1985 (no longer active)

NIMH Research Scientist Development Award, 1985-1990
Executive Secretary, Fourth International Symposium on Catecholamines and Stress, 1987
Special Editor, *Health Psychology* Volume 7, Issue 2, 1988
Editorial Advisory Board, *Physiology and Behavior*, 1989-2007
Executive Secretary, Fifth International Symposium on Catecholamines and Stress, 1991
Fellow, Association for Psychological Science, year of election-1991
International Advisory Committee, Seventh Catecholamine Symposium, 1992
Sigma Xi, year of election – 1992 (no longer active)
Fellow, American Institute of Stress, year of election-1992 (no longer active)
Executive Secretary and Treasurer, First World Congress on Stress, 1994
Executive Board, Council of Graduate Departments of Psychology, 1994-1997
 Treasurer, 1994-1996
 Chair, 1996-1997
Fellow, Council for High Blood Pressure Research, American Heart Association, year of election-1994 (no longer active)
Visiting Scientist, Showa University, Tokyo, Japan, October 1994
Secretary General, Sixth International Symposium on Catecholamines and Stress, 1995.
Founding Co-Editor-in-Chief, *Stress*, 1995-1999
Treasurer and Member of the International Advisory Committee, Eighth Catecholamine Symposium, 1996
Board Member, International Society for Investigations of Stress, 1996-2001
Executive Committee, Consortium of Social Science Associations, 1998-2001
Board of Directors, Second World Congress on Stress, 1998
Board of Directors, The Catecholamine Foundation, 1998-2005
Executive Director, Decade of Behavior initiative, 1999-2001
Secretary General, Seventh International Symposium on Catecholamines and Stress, 1999
Editorial Board, *Alcohol Research and Health*, 1999-2001
Fellow, Division 3 - Experimental Psychology and Division 6 - Behavioral Neuroscience and Comparative Psychology, American Psychological Association, year of election-1999 (no longer active)
Fellow, American Association for the Advancement of Science, year of election- 1999 (no longer active)
Project Director, APA-Templeton Positive Psychology Awards Program, 1999-2001
Editor, *American Psychologist*, 1999-2001
Member of the International Advisory Committee, Ninth Catecholamine Symposium, 2001
Member, Leadership Nashville Class of 2005
Board of Trustees, University School of Nashville, 2008-2014
Member, Roundtable on Access to the Results of Federally Funded Research, Committee on Science and Technology, U.S. House of Representatives, 2009-2010
Board of Trustees, Frist Center for the Visual Arts, Nashville, TN, 2009-2014
Member, Higher Education Advisory Council, Educational Testing Service, 2010-2012
Vanderbilt University Faculty Athletics Representative to the Southeastern Conference, 2010-2014
Member, SECU—The Provosts' Committee of the 14-member universities of the Southeastern Conference, 2010-2014

SECU Chair, 2012-2014
Keynote Address, Outstanding Academy Educator Ceremony, United States Air Force Academy, Colorado Springs, CO, May 2, 2014
Member, Association of American Universities/Association of Research Libraries Task Force on Scholarly Communication, 2012-2017
Board of Trustees, American Psychological Foundation, 2013-2018
Member of the Research Committee, 2013-2015
Chair of the Investment Committee, 2014-2018
Chair of the Audit Committee, 2015-2018
Treasurer, 2015-2018
Member, Brentwood Alumni Chapter of Kappa Alpha Psi Fraternity, Inc., 2014-present

PUBLISHED ARTICLES AND BOOK CHAPTERS:

1. McCarty, R., & Richardson, J.H. (1974). Adrenal response of male mice to variations in living space. *Psychological Reports*, 34, 787-790.
2. McCarty, R., & Richardson, J.H. (1974). Adrenal response of female mice to variations in living space. *Psychological Reports*, 34, 1267-1270.
3. McCarty, R. (1975). Magnesium deprivation and seizures in Mongolian gerbils. *Journal of General Psychology*, 92, 3-4.
4. McCarty, R. (1975). *Onychomys torridus*. *Mammalian Species*, 59, 1-5.
5. McCarty, R., & Southwick, C.H. (1975). Food hoarding by southern grasshopper mice (*Onychomys torridus*) in laboratory enclosures. *Journal of Mammalogy*, 56, 708-712.
6. McCarty, R., & Southwick, C.H. (1975). The development of convulsive seizures in the grasshopper mouse, *Onychomys torridus*. *Developmental Psychobiology*, 8, 547-552.
7. McCarty, R., & Whitesides, G.H. (1976). Effects of d- and l-amphetamine on the predatory behavior of grasshopper mice, *Onychomys torridus*. *Aggressive Behavior*, 2, 99-105.
8. McCarty, R., Whitesides, G.H., & Tomosky, T.K. (1976). Effects of p-chlorophenylalanine on the predatory behavior on *Onychomys torridus*. *Pharmacology, Biochemistry and Behavior*, 4, 217-220.
9. McCarty, R. (1977). *Onychomys leucogaster*. *Mammalian Species*, 87, 1-6.
10. McCarty, R., & Southwick, C.H. (1977). Cross-species fostering: Effects on the olfactory preference of *Onychomys torridus* and *Peromyscus leucopus*. *Behavioral Biology*, 19, 255-260.

11. McCarty, R., & Southwick, C.H. (1977). Paternal care and the development of behavior in the southern grasshopper mouse, *Onychomys torridus*. *Behavioral Biology*, *19*, 476-490.
12. McCarty, R., & Southwick, C.H. (1977). Effects of parental environment on the prevalence of convulsive seizures in *Onychomys torridus*. *Developmental Psychobiology*, *10*, 359-364.
13. McCarty, R., & Southwick, C.H. (1977). Patterns of parental care in two cricetid rodents, *Onychomys torridus* and *Peromyscus leucopus*. *Animal Behaviour*, *25*, 945-948.
14. Grobecker, H., Saavedra, J.M., McCarty, R., Chiueh, C.C., & Kopin, I.J. (1977). Dopamine-beta-hydroxylase activity and catecholamine concentrations in plasma: Experimental and essential hypertension. *Postgraduate Medical Journal*, *53* (Suppl. 3), 43-48.
15. McCarty, R., Chiueh, C.C., & Kopin, I.J. (1978). Behavioral and cardiovascular responses of spontaneously hypertensive and normotensive rats to inescapable electric shock. *Behavioral Biology*, *22*, 405-410.
16. McCarty, R., Chiueh, C.C., & Kopin, I.J. (1978). Spontaneously hypertensive rats: Adrenergic hyperresponsivity to anticipation of electric shock. *Behavioral Biology*, *23*, 180-188.
17. McCarty, R., & Kopin, I.J. (1978). Alterations in plasma catecholamines and behavior during acute stress in spontaneously hypertensive and Wistar-Kyoto normotensive rats. *Life Sciences*, *22*, 997-1005.
18. McCarty, R., & Kopin, I.J. (1978). Pregnancy: its effects on blood pressure, heart rate and sympatho-adrenal activity in spontaneously hypertensive rats. *Proceedings of the Society for Experimental Biology and Medicine*, *158*, 242-244.
19. McCarty, R., & Kopin, I.J. (1978). Sympatho-adrenal medullary activity and behavior during exposure to stress: A comparison of seven rat strains. *Physiology and Behavior*, *21*, 567-572.
20. McCarty, R., Kvetnansky, R., Lake, C.R., Thoa, N.B., & Kopin, I.J. (1978). Sympatho-adrenal activity of SHR and WKY rats during recovery from forced immobilization. *Physiology and Behavior*, *21*, 951-955.
21. McCarty, R., & Kopin, I.J. (1978). Changes in plasma catecholamines and behavior of rats during the anticipation of footshock. *Hormones and Behavior*, *11*, 248-257.
22. McCarty, R., & Southwick, C.H. (1979). Parental environment: effects on survival, growth, and behavioral development in two rodent species. *Developmental*

- Psychobiology*, 12, 269-279.
23. Kvetnansky, R., McCarty, R., Thoa, N.B., Lake, C.R., & Kopin, I.J. (1979). Sympatho-adrenal responses of spontaneously hypertensive rats to immobilization stress. *American Journal of Physiology*, 236, H457-H462.
 24. McCarty, R., & Kopin, I.J. (1979). Patterns of behavioral development in spontaneously hypertensive rats and Wistar-Kyoto normotensive controls. *Developmental Psychobiology*, 12, 239-243.
 25. McCarty, R., & Kopin, I.J. (1979). Plasma catecholamines and behavior of rats during stress. In E. Usdin, I.J. Kopin, & J.D. Barchas (Eds.), *Catecholamines: Basic and clinical frontiers* (pp. 1789-1791). New York, NY: Pergamon Press.
 26. Grobecker, H., Saavedra, J.M., McCarty, R., Weise, V.K., & Kopin, I.J. (1979). Role of noradrenergic nerves and adrenal medulla during the development of genetic and experimental hypertension in rats. In E. Usdin, I.J. Kopin, & J.D. Barchas (Eds.), *Catecholamines: Basic and clinical frontiers* (pp. 906-909). New York, NY: Pergamon Press.
 27. McCarty, R., & Kopin, I.J. (1979). Stress-induced alterations in plasma catecholamines and behavior of rats: Effects of chlorisondamine and bretylium. *Behavioral Biology*, 27, 249-265.
 28. Gilad, G.M., McCarty, R., Weise, V.K., & Kopin, I.J. (1979). Strain differences in the regulation of the sympatho-adrenal system. *Brain Research*, 176, 380-384.
 29. McCarty, R., Gilad, G.M., Weise, V.K., & Kopin, I.J. (1979). Strain differences in rat adrenal biosynthetic enzymes and stress-induced increases in plasma catecholamines. *Life Sciences*, 25, 747-754.
 30. McCarty, R., Chiueh, C.C., & Kopin, I.J. (1980). Differential behavioral responses of spontaneously hypertensive (SHR) and normotensive (WKY) rats to d-amphetamine. *Pharmacology, Biochemistry and Behavior*, 12, 53-59.
 31. Kopin, I.J., McCarty, R., & Yamaguchi, I. (1980). Plasma catecholamines in human and experimental hypertension. *Clinical and Experimental Hypertension*, 2, 379-394.
 32. McCarty, R., & Gold, P.E. (1980). Short-term stress, plasma catecholamines and modulation of memory. In E. Usdin, R. Kvetnansky, & I.J. Kopin (Eds.), *Catecholamines and stress: Recent advances* (pp. 221-226). New York, NY: Elsevier - North Holland.
 33. Kopin, I.J., McCarty, R., Torda, T., & Yamaguchi, I. (1980). Catecholamines in plasma and responses to stress. In E. Usdin, R. Kvetnansky, & I.J. Kopin (Eds.), *Catecholamines and stress: Recent advances* (pp. 197-204). New York, NY: Elsevier - North Holland.

34. Natelson, B.H., & McCarty, R. (1980). Conditioned catecholamine changes in rhesus monkeys. *Pavlovian Journal of Biological Science*, *15*, 188-196.
35. Chiueh, C.C., & McCarty, R. (1981). Sympathoadrenal medullary hyperreactivity to footshock but not to cold stress in spontaneously hypertensive rats. *Physiology and Behavior*, *26*, 85-89.
36. McCarty, R., Kvetnansky, R., & Kopin, I.J. (1981). Plasma catecholamines in rats: Daily variations in basal levels and increments in response to stress. *Physiology and Behavior*, *26*, 27-31.
37. McCarty, R., & Southwick, C.H. (1981). Food deprivation: Effects on the predatory behavior of southern grasshopper mice (*Onychomys torridus*). *Aggressive Behavior*, *7*, 123-130.
38. Gilad, G.M., & McCarty, R. (1981). Differences in choline acetyltransferase but similarities in catecholamine biosynthetic enzymes in brains of two rat strains differing in their response to stress. *Brain Research*, *206*, 239-243.
39. Gold, P.E., & McCarty, R. (1981). Plasma catecholamines: Changes after footshock and seizure-producing frontal cortex stimulation. *Behavioral and Neural Biology*, *31*, 247-260.
40. McCarty, R., & Gold, P.E. (1981). Plasma catecholamines: Effects of footshock level and hormonal modulators of memory storage. *Hormones and Behavior*, *15*, 168-182.
41. McCarty, R. (1981). Aged rats: diminished sympathetic-adrenal medullary responses to acute stress. *Behavioral and Neural Biology*, *33*, 204-212.
42. McCarty, R., Horbaly, W.G., Brown, M.S., & Baucom, P.K. (1981). Effects of handling during infancy on the sympathetic-adrenal medullary system of rats. *Developmental Psychobiology*, *14*, 533-539.
43. Saavedra, J.M., Fernandez-Pardal, J., Guicheney, P., Furness, J., McCarty, R., Rouot, B., & Correa, F.M.A. (1981). Heart catecholamines and genetic hypertension. In W. Delius, E. Gerlach, H. Grobecker, & W. Kubler (Eds.), *Catecholamines and the heart: Recent advances in experimental and clinical research* (pp. 92-104). Berlin: Springer-Verlag.
44. Gold, P.E., McCarty, R., & Sternberg, D.B. (1982). Catecholamines and memory. In C. Ajmone Marsan & H. Matthies (Eds.), *Neuronal plasticity and memory formation* (pp. 327-339). New York, NY: Raven Press.
45. McCarty, R. (1982). Sympathetic-adrenal medullary and behavioral responses to stress: A comparative study of SHR and New Zealand hypertensive rats. In W. Rascher, D.

- Clough, & D. Ganten (Eds.), *Hypertensive mechanisms: The spontaneously hypertensive rat as a model to study human hypertension* (pp. 464-468). Stuttgart: F.K. Schattauer Verlag.
46. Saavedra, J.M., McCarty, R., Fernandez-Pardal, J., Weise, V., & Iwai, J. (1982). Role of the peripheral nervous system in the Dahl salt-sensitive genetic hypertensive rat. In W. Rascher, D. Clough, & D. Ganten (Eds.), *Hypertensive mechanisms: The spontaneously hypertensive rat as a model to study human hypertension* (pp. 448-453). Stuttgart: F.K. Schattauer Verlag.
 47. McCarty, R. (1982). Physiological and behavioral responses of New Zealand hypertensive and normotensive rats to stress. *Physiology and Behavior*, 28, 103-108.
 48. McCarty, R., & Saavedra, J.M. (1982). Plasma catecholamines in salt sensitive hypertensive (Dahl) rats. *Physiology and Behavior*, 28, 1083-1088.
 49. McCarty, R., & Baucom, P.K. (1982). Physiological responses of rats to footshock stress: Effects of social environment. *Behavioral and Neural Biology*, 34, 394-403.
 50. McCarty, R., & Kirby, R.F. (1982). Spontaneous hypertension and open-field behavior. *Behavioral and Neural Biology*, 34, 450-452.
 51. McCarty, R. (1983). Stress, behavior and the sympathetic-adrenal medullary system. In L.A. Pohorecky & J. Brick (Eds.), *Stress and alcohol use* (pp. 7-22). New York, NY: Elsevier Science Publishing Co.
 52. Saavedra, J.M., Del Carmine, R., McCarty, R., Weise, V.K., Iwai, J., & Guicheney, P. (1983). Increased adrenal catecholamines in salt sensitive genetically hypertensive rats (Dahl rats). *American Journal of Physiology*, 245, H762-H766.
 53. Stone, E.A., & McCarty, R. (1983). Adaptation to stress: Tyrosine hydroxylase activity and catecholamine release. *Neuroscience and Biobehavioral Reviews*, 7, 29-34.
 54. Weick, B.G., Ritter, S., & McCarty, R. (1983). Plasma catecholamines in fasted and sucrose supplemented rats. *Physiology and Behavior*, 30, 247-252.
 55. Weinstock, M., & McCarty, R. (1983). Vasodilator responses to cholinergic and adrenergic stimulants in spontaneously hypertensive (SHR) and Wistar-Kyoto (WKY) normotensive rats. *Proceedings of the Society for Experimental Biology and Medicine*, 172, 194-201.
 56. McCarty, R., Kirby, R.F., & Brunjes, P.C. (1983). Neonatal hyperthyroidism: Effects on sympathetic-adrenal medullary and behavioral responses to stress in adult rats. *American Journal of Physiology*, 245, R95-R99.

57. McCarty R. (1983). Choline administration: Lack of effect on plasma catecholamines in rats. *Pharmacology, Biochemistry and Behavior*, *18*, 651-653.
58. Goldstein, D.S., McCarty, R., Polinsky, R.J., & Kopin, I.J. (1983). Relationship between plasma norepinephrine and sympathetic neural activity. *Hypertension*, *5*, 552-559.
59. McCarty, R. (1983). Introduction--Stress: Behavioral and biological interactions. *Neuroscience and Biobehavioral Reviews*, *7*, 483-484.
60. McCarty, R. (1983). Stress, behavior and experimental hypertension. *Neuroscience and Biobehavioral Reviews*, *7*, 493-502.
61. McCarty, R., Kirby, R.F., & Garn, P.G. (1984). Strain differences in sympathetic-adrenal medullary responsiveness and behavior. *Behavioral and Neural Biology*, *40*, 98-113.
62. McCarty, R., & Stone, E.A. (1984). Chronic stress and regulation of the sympathetic nervous system. In E. Usdin, R. Kvetnansky, & J. Axelrod (Eds.), *Stress: The role of catecholamines and other neurotransmitters* (Vol. 2, pp. 563-576). New York, NY: Gordon and Breach.
63. Kirby, R.F., & McCarty, R. (1984). Prenatal stress: Effects on sympathetic nervous system development in laboratory rats. In E. Usdin, R. Kvetnansky, and J. Axelrod (Eds.), *Stress: The role of catecholamines and other neurotransmitters* (Vol. 2, pp. 827-837). New York, NY: Gordon and Breach.
64. McCarty, R., Kirby, R.F., & Carey, R.M. (1984). Dopamine may be a neurohormone in the rat adrenal cortex. *American Journal of Physiology*, *247*, E709-E713.
65. McCarty, R. (1984). Effects of 2-deoxyglucose on plasma catecholamines in adult and aged rats. *Neurobiology of Aging*, *5*, 285-289.
66. McCarty, R. (1984). Cardiovascular and sympathetic-adrenal medullary responses of rats to shock-induced aggression. In K.J. Flannelly, R.J. Blanchard, & D.C. Blanchard (Eds.), *Biological perspectives on aggression* (pp. 319-331). New York, NY: Alan R. Liss.
67. McCarty, R. (1985). Sympathetic-adrenal medullary and cardiovascular responses to acute cold stress in adult and aged rats. *Journal of the Autonomic Nervous System*, *12*, 15-22.
68. McCarty, R. (1985). Cardiovascular responses to acute footshock stress in adult and aged Fischer 344 male rats. *Neurobiology of Aging*, *6*, 47-50.
69. Yamori, Y., Ikeda, K., Kulakowski, E.C., McCarty, R., & Lovenberg, W. (1985). Enhanced sympathetic-adrenal medullary response to cold exposure in spontaneously hypertensive rats. *Journal of Hypertension*, *3*, 63-66.

70. Brunjes, P.C., Smith-Crafts, L.K., & McCarty, R. (1985). Unilateral odor deprivation: effects on the development of olfactory bulb catecholamines and behavior. *Developmental Brain Research*, 22, 1-6.
71. McCarty, R. (1986). Age-related alterations in sympathetic-adrenal medullary responses to stress. *Gerontology*, 32, 172-183.
72. McCarty, R., & Plunkett, L.M. (1986). Forebrain binding sites for atrial natriuretic factor: alterations in spontaneously hypertensive (SHR) rats. *Neurochemistry International*, 9, 177-183.
73. McCarty, R. (1986). Sympathetic nervous system development in hypertensive rats. *Journal of Hypertension*, 4, S155-S157.
74. Stornetta, R., Guyenet, P.G., & McCarty, R. (1986). Modulation of autonomic outflow by pontine A5 noradrenergic neurons. In K. Nakamura (Ed.), *Brain and blood pressure control* (pp. 23-28). Amsterdam: Excerpta Medica.
75. McCarty, R., & Plunkett, L.M. (1986). Binding sites for atrial natriuretic factor (ANF) in brain: alterations in Brattleboro rats. *Brain Research Bulletin*, 17, 767-772.
76. McCarty, R., Kirby, R.F., & Carey, R.M. (1986). Effects of dietary sodium on dopamine content of rat adrenal cortex. *Physiology and Behavior*, 37, 785-789.
77. Natelson, B.H., Creighton, D., McCarty, R., Tapp, W.N., Pitman, D., & Ottenweller, J.E. (1987). Adrenal hormonal indices of stress in laboratory rats. *Physiology and Behavior*, 39, 117-125.
78. Cierpial, M.A., Shasby, D.E., & McCarty, R. (1987). Patterns of maternal behavior in the spontaneously hypertensive rat. *Physiology and Behavior*, 39, 633-637.
79. McCarty, R., & Plunkett, L.M. (1987). Quantitative autoradiographic analysis of somatostatin binding sites in discrete areas of rat forebrain. *Brain Research Bulletin*, 18, 29-34.
80. Cierpial, M.A., & McCarty, R. (1987). Preweanling behavioral development in spontaneously hypertensive, borderline hypertensive and Wistar-Kyoto normotensive rats. *Developmental Psychobiology*, 20, 57-69.
81. Kirby, R.F., & McCarty, R. (1987). Ontogeny of functional sympathetic innervation to the heart and adrenal medulla in the preweanling rat. *Journal of the Autonomic Nervous System*, 19, 67-75.
82. Murphy, C.A., Cierpial, M.A., Borom, A.H., & McCarty, R. (1987). Sympathetic nervous

- system responsiveness in developing Dahl hypertensive rats. *Physiology and Behavior*, 39, 733-737.
83. Stornetta, R.L., Guyenet, P.G., & McCarty, R. (1987). Autonomic control of heart rate during baroreceptor activation in conscious and anesthetized rats. *Journal of the Autonomic Nervous System*, 20, 121-127.
 84. Swithers, S.E., Stewart, R.E., & McCarty, R. (1987). Binding sites for atrial natriuretic factor (ANF) in kidneys and adrenal glands of spontaneously hypertensive (SHR) rats. *Life Sciences*, 40, 1673-1681.
 85. Stewart, R.E., Swithers, S.E., & McCarty, R. (1987). Alterations in binding sites for atrial natriuretic factor (ANF) in kidneys and adrenal glands of Dahl hypertension-sensitive (S/JR) rats. *Journal of Hypertension*, 5, 481-487.
 86. McCarty, R., Kirby, R.F., Cierpial, M.A., & Jenal, T.J. (1987). Accelerated development of cardiac sympathetic responses in spontaneously hypertensive (SHR) rats. *Behavioral and Neural Biology*, 48, 321-333.
 87. McCarty, R., Cierpial, M.A., Kirby, R.F., & Jenal, T.J. (1987). Development of cardiac sympathetic and adrenal-medullary responses in borderline hypertensive rats. *Journal of the Autonomic Nervous System*, 21, 43-49.
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 89. Head, G.A., & McCarty, R. (1987). Vagal and sympathetic components of the heart rate range and gain of the baroreceptor-heart rate reflex in conscious rats. *Journal of the Autonomic Nervous System*, 21, 203-213.
 90. McCarty, R., & Plunkett, L.M. (1988). Regulation of binding sites for atrial natriuretic factor (ANF) in rat brain. *Peptides*, 9 (Suppl. 1), 3-8.
 91. McCarty, R., Horwatt, K., & Konarska, M. (1988). Chronic stress and sympathetic-adrenal medullary responsiveness. *Social Science and Medicine*, 26, 333-341.
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 93. McCarty, R., & Schneiderman, N. (1988). Animal behavior models in Health Psychology research (Editorial). *Health Psychology*, 7, 111-112.
 94. Cierpial, M.A., Konarska, M., & McCarty, R. (1988). Maternal effects on the development of hypertension. *Health Psychology*, 7, 125-135.

95. Zukowska-Grojec, Z., Konarska, M., & McCarty, R. (1988). Differential plasma catecholamine and neuropeptide Y responses to acute stress in rats. *Life Sciences*, *42*, 1615-1624.
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98. Hendley, E.D., Cierpial, M.A., & McCarty, R. (1988). Sympathetic-adrenal medullary responses to acute stress in hyperactive and hypertensive rats. *Physiology and Behavior*, *44*, 47-51.
99. Murphy, C.A., Konarska, M., & McCarty, R. (1989). Sympathetic-adrenal medullary responses to acute stress in Dahl hypertensive (S/JR) rats. *Physiology and Behavior*, *45*, 27-31.
100. Cierpial, M.A., Shasby, D.E., Murphy, C.A., Borom, A.H., Stewart, R.E., Swithers, S.E., & McCarty, R. (1989). Development of open-field behavior in spontaneously hypertensive and Wistar-Kyoto normotensive rats: Effects of reciprocal cross-fostering. *Behavioral and Neural Biology*, *51*, 203-210.
101. Konarska, M., Stewart, R.E., & McCarty, R. (1989). Habituation of sympathetic-adrenal medullary responses following exposure to chronic intermittent stress. *Physiology and Behavior*, *45*, 255-261.
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