

CURRICULUM VITAE

NAME: Philip Michael McCabe
TITLE: Professor and Chairman of Psychology
BUSINESS ADDRESS:

Department of Psychology
University of Miami
P.O. Box 248184
Coral Gables, FL 33124

EDUCATIONAL HISTORY:

Ph.D.: University of Illinois
Neural and Behavioral Biology
Dissertation title: The Respiratory-Heart Rate Interaction:
Quantification and Physiological Mechanisms

B.S.: University of Illinois
Major: Psychology

PROFESSIONAL HISTORY:

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|----------------|---|
| 2014 - present | Chairman, Department of Psychology, University of Miami |
| 1995 - present | Professor of Psychology, University of Miami |
| 1992 - 2014 | Associate Chairman, Department of Psychology, University of Miami |
| 2003 - 2014 | Director, Undergraduate Neuroscience Program, University of Miami |
| 1995 - present | Professor of Biomedical Engineering, University of Miami |
| 2009-2010 | President, Academy of Behavioral Medicine Research |
| 1990 - present | Fellow, Academy of Behavioral Medicine Research |
| 2008 - 2009 | President-elect, Academy of Behavioral Medicine Research |
| 2005 – 2008 | Secretary, Academy of Behavioral Medicine Research |

Professional History (continued)

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| 2019 – present | Sylvester Comprehensive Cancer Center’s Cancer Advisory Council |
| 2018 – present | Evelyn F. McKnight Brain Institute Scientific Advisory Board |
| 1991 - 1995 | SBIR Study Section, NIMH/ NIH |
| 1993 - 2000 | Steering Committee, University of Miami Neuroscience Program |
| 1987 - present | University of Miami Neuroscience Program; University-wide Interdepartmental program |
| 1993 - present | Board of Directors and Scientific Advisory Board, Children's Brittle Bone Foundation, Highland Park, IL |
| 1993 - present | Co-Director, NHLBI Training Grant HL 04726, “Behavioral Medicine Training in Cardiovascular Disease”, Neil Schneiderman, P.I. |
| 1986 - present | Executive Committee, NHLBI Program Project HL36588, "Psychophysiology of Cardiovascular Reactivity," Departments of Psychology, Medicine, and Biomedical Engineering, Univ. of Miami |
| 1989 - 1991 | Faculty Senate, University of Miami |
| 1988 - 1995 | Associate Professor of Psychology, University of Miami |
| 1989 - 1995 | Associate Professor of Biomedical Engineering, University of Miami |
| 1987 - 1992 | Internal Animal Care and Use Committee (IACUC), University of Miami |
| 1985 - present | Ad Hoc Reviewer and site visits. Biopsychology study section, NIH; Integrative Neurosciences section, NSF; Department of Defense; Veterans Administration; SBIR study section, NIMH |
| 1982 - 1988 | Assistant Professor of Psychology, University of Miami |
| 1982 | Post Doctoral Fellow, NHLBI Training Grant, University of Miami |
| 1980 - 1981 | Teaching Assistant, Physiological Psychology, University of Illinois |
| 1977 - 1980 | Trainee, National Institute of Mental Health Traineeship, Psychophysiology Training Grant, University of Illinois |
| 1976 - 1977 | Research Assistant, to Dr. Stephen W. Porges, University of Illinois |

HONORS:

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| 2009-10 | President, Academy of Behavioral Medicine Research |
| 2009 | MUSE Award for outstanding service in undergraduate education, Department of Psychology, University of Miami |
| 2008 | President-elect, Academy of Behavioral Medicine Research |
| 2005 | Elected Secretary, Academy of Behavioral Medicine Research |
| 2002 | Award for Excellence in Graduate Teaching, Psych. Graduate Student Assoc. |
| 2001 | Executive Council, Academy of Behavioral Medicine Research |
| 1996 | Golden Key National Honor Society; Honorary Faculty Member |
| 1991 | Executive Chair and Steering Committee, Annual International Congress of IEEE-Engineering in Medicine and Biology, Orlando, FL |
| 1990 | Fellow, Academy of Behavioral Medicine Research |

PUBLICATIONS:

a. Refereed Articles

Cuneo, M.G., Szeto, A., Schrepf, A., Kinner, E.M., Schachner, B.I., Ahmed, R., Thaker, P.H., Goodheart, M., Bender, D., Cole, S.W., McCabe, P.M., Sood, A.K., Lutgendorf, S.K., Mendez, A.J. (in press) Oxytocin in the tumor microenvironment is associated with lower inflammation and longer survival in advanced epithelial ovarian cancer patients. *Psychoneuroendocrinology*. 106: 244-251. PMID: 31005045

Szeto, A., Sun-Suslow, N., Mendez, A.J., Hernandez, R.I., Wagner, K.V., McCabe, P.M. (2017) Regulation of the macrophage oxytocin receptor in response to inflammation. *Am J Physiol Endocrinol Metab*. Mar 1;312(3):E183-E189. PMCID: PMC5374296

Noller, C.M., Mendez, A.M., Szeto, A., Boulina, M., Zaias, J., Schneiderman, N., McCabe, P.M. (2017) Structural remodeling of sympathetic innervation in atherosclerotic blood vessels: Role of atherosclerotic disease progression and chronic social stress. *Psychosom Med*. Jan;79(1):59-70. PMCID: [PMC5182089](#)

Noller, C.M., Boulina, M., McNamara, G., Szeto, A., McCabe, P.M., Mendez, A.M. (2016) A Systematic Approach for Quantitative Processing and Analysis of Small Biological Structures by Fluorescent Imaging. *J Biomol Tech*. Sep;27(3):90-7. PMCID: [PMC4866578](#)

- Szeto, A., Rossetti, M.A., Mendez, A.J., Noller, C.M., Herderick, E.E., Gonzales, J.A., Schneiderman, N., and McCabe, P.M. (2013) Oxytocin administration attenuates atherosclerosis and inflammation in Watanabe Heritable Hyperlipidemic rabbits. Psychoneuroendocrinology, 38: 685-693.
- Noller, C.M., Szeto, A., Mendez, A.J., Llabre, M.M., Gonzales, J.A., Rossetti, M.A., Schneiderman, N., and McCabe, P.M. (2013) The influence of social environment on endocrine, cardiovascular and tissue responses in the rabbit. International Journal of Psychophysiology, 88: 282-288.
- Szeto, A., McCabe, P.M., Nation, D.A., Tabak, B.A., Rossetti, M.A., McCullough, M.E., Schneiderman, N., and Mendez, A.J. (2011) Evaluation of enzyme immunoassay and radioimmunoassay methods for the measurement of plasma oxytocin. Psychosomatic Medicine, 73 (5): 393-400.
- Tabak, B.A., Szeto, A., Mendez, A.J., McCabe, P.M., and McCullough, M.E. (2011) Oxytocin indexes relational distress following interpersonal harms in women. Psychoneuroendocrinology, 36(1):115-122.
- Nation, D.A. , Szeto, A., Mendez, A.J., Brooks, L.G., Zaias, J., Gonzales, J., Noller, C., Schneiderman, N., and McCabe, P.M. (2010) Oxytocin attenuates atherosclerosis and adipose tissue inflammation in ApoE ^{-/-} mice. Psychosomatic Medicine. 72(4): 376-82.
- Szeto, A., Nation, D.A., Mendez, A.J., Dominguez-Bendala, J., Brooks, L.G., Schneiderman, N., and McCabe, P.M. (2008) Oxytocin attenuates NADPH-dependent superoxide activity and IL-6 secretion in macrophages and vascular cells. American Journal of Physiology: Endocrinology and Metabolism. Dec;295(6):E1495-501.
- Nation, D.A., Gonzales, J.A., Mendez, A.J., Zaias, J., Szeto, A., Brooks, L.G., Paredes, J., D'Angola, A., Schneiderman, N., and McCabe, P.M. (2008) The effect of social environment on markers of vascular oxidative stress and inflammation in the Watanabe Heritable Hyperlipidemic Rabbit. Psychosomatic Medicine, 70(3):269-75.
- Paredes, J., Szeto, A., Levine, J.E., Zaias, J., Gonzales, J., Mendez, A.J., Llabre, M.M., Schneiderman, N., and McCabe, P.M. (2006) Social environment influences hypothalamic oxytocin in the WHHL rabbit. Psychoneuroendocrinology, 31, 1062-1075.
- Gonzales, J.A., Szeto, A., Mendez, A.J., Goldberg, R.B., Caperton, C.V., Paredes, J., Zaias, J., Schneiderman, N., and McCabe, P.M. (2005) Effect of behavioral interventions on insulin sensitivity and atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Psychosomatic Medicine, 67, 172-178.
- Szeto, A., Gonzales, J.A., Sptizer, S.B., Levine, J.E., Schneiderman, N., and McCabe, P.M. (2004) Glucocorticoid responses of Watanabe Heritable Hyperlipidemic rabbits and New Zealand White rabbits. Psychoneuroendocrinology, 29, 861-866.
- McCabe, P.M., Gonzales, J.A., Zaias, J., Szeto, A., Kumar, M., Herron, A.J., & Schneiderman, N. (2002) Social environment influences the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Circulation, 105, 354-359.

- Paredes, J. Winters, R.W., Schneiderman, N., and McCabe P.M. (2000) Afferents to the central nucleus of the amygdala and functional subdivisions of the periaqueductal gray: Neuroanatomical substrates for affective behavior. Brain Research, 887, 157-173.
- McCabe, P.M., Sheridan, J.F., Weiss, J.M., Kaplan, J.R., Natelson B.H., & Pare, W.P. (2000) Animal models of disease. Physiology and Behavior, 68(4), 501-507.
- Cruess, D.G., Antoni, M.H., Schneiderman, N., Ironson, G., McCabe, P.M., Fernandez, J.B., Cruess, S.E., Klimas, N., & Kumar, M. (2000) Cognitive-behavioral stress management increases free testosterone and decreases psychological distress in HIV-seropositive men. Health Psychology, 19(1), 12-20.
- Webber, T.J., Green, E.J., Winters, R.W., Schneiderman, N., & McCabe, P.M. (1999) Contribution of NMDA and non-NMDA receptors to synaptic transmission from the brachium of the inferior colliculus to the medial geniculate nucleus in the rabbit. Experimental Brain Research, 124, 295-303.
- Pazos, A.J., Green, E.J., Busto, R., McCabe, P.M., Baena, R.C., Ginsberg, M.D., Globus, M. Y-T., Schneiderman, N., & Dietrich, W.D. (1999) Effects of combined postischemic hypothermia and delayed n-tert-butyl-a-phenylnitron (PBN) administration on histopathological and behavioral deficits associated with transient global ischemia in rats. Brain Research, 846 (2) : 186-195.
- Cruess, D.G., Antoni, M.H., Kumar, M., Ironson, G., McCabe, P.M., Fernandez, J.B., Fletcher, M.A., & Schneiderman, N. (1999) Cognitive-behavioral stress management buffers decreases in dehydroepiandrosterone sulfate (DHEA-S) and increases in the cortisol/DHEA-S ratio and reduces mood disturbance and perceived stress among HIV-seropositive men. Psychoneuroendocrinology. 24, 537-549.
- Peckerman, A., Saab, P.G., Llabre, M.M., Hurwitz, B.E., McCabe, P.M., & Schneiderman, N. (1998) Cardiovascular and perceptual effects of reporting pain during the foot and forehead cold pressor tests. International Journal of Behavioral Medicine, 5(2), 106-117.
- Duan, Y.-F., Winters, R.W., McCabe, P.M., Green, E.J., Huang, Y., & Schneiderman, N. (1997) Functional relationship between the hypothalamic vigilance area and PAG vigilance area. Physiology and Behavior, 62(3), 675-679.
- Duan, Y.-F., Winters, R.W., McCabe, P.M., Green, E.J., Huang, Y., & Schneiderman, N. (1997) Cardiorespiratory components of defense reaction elicited from paraventricular nucleus. Physiology and Behavior, 61(2), 325-330.
- McKinney, C.H., Antoni, M.H., Kumar, M., Tims, F.C., & McCabe, P.M. (1997) Effects of guided imagery and music (GIM) therapy on mood and cortisol in healthy adults. Health Psychology, 16(4), 1-12.
- Lutgendorf, S.K., Antoni, M.H., Ironson, G.I., Klimas, N., Kumar, M., Starr, K., Schneiderman, N., McCabe, P.M., Cleven, K., & Fletcher, M.A. (1997) Cognitive behavioral stress management intervention decreases dysphoric mood and herpes simplex virus-type 2 antibody titres in

symptomatic HIV-seropositive gay men. Journal of Consulting and Clinical Psychology, 65(1), 31-43.

McEchron, M.D., Green, E.J., Winters, R.W., Nolen, T.G., Schneiderman, N., & McCabe, P.M. (1996) Changes of synaptic efficacy in the medial geniculate nucleus resulting from auditory classical conditioning. Journal of Neuroscience, 16, 1273-1283.

McEchron, M.D., McCabe, P.M., Green, E.J., Hitchcock, J.M., & Schneiderman, N. (1996) Immunohistochemical expression of the c-Fos protein in the spinal trigeminal nucleus following presentation of a corneal airpuff unconditioned stimulus. Brain Research, 710, 112-120.

Duan, Y.-F., Winters, R.W., McCabe, P.M., Green, E.J., Huang, Y., & Schneiderman, N. (1996) Behavioral characteristics of defense and vigilance reactions elicited by electrical stimulation of the hypothalamus in rabbits. Behavioural Brain Research, 81, 33-41.

Duan, Y.-F., Winters, R.W., McCabe, P.M., Green, E.J., Huang, Y., & Schneiderman, N. (1996) Modulation of the baroreceptor reflex by stimulation of the hypothalamic defense and vigilance areas. Physiology and Behavior, 59, 1093-1098.

McEchron, M.D., McCabe, P.M., Green, E.J., Llabre, M.M., & Schneiderman, N. (1995) Simultaneous single unit recording of the medial subnucleus of the medial geniculate nucleus and the amygdaloid central nucleus throughout habituation, acquisition, and extinction of the rabbit's classically conditioned heart rate. Brain Research, 682, 157-166.

McCabe, P.M., McEchron, M.D., Green, E.J., & Schneiderman, N. (1995) Destruction of neurons in the VPM thalamus prevents rabbit heart rate conditioning. Physiology and Behavior, 57, 159-163.

Green, E.J., Pazos, A.J., Dietrich, W.D., McCabe, P.M., Schneiderman, N., Lin, B., Busto, R., Globus, M.Y.-T., & Ginsberg, M.D. (1995) Combined postischemic hypothermia and delayed MK-801 treatment attenuates neurobehavioral deficits associated with transient global ischemia in rats. Brain Research, 702, 145-152.

Pazos, A.J., Orezza, S.L., McCabe, P.M., Dietrich, W.D., & Green, E.J. (1995) Recovery of vibrissae-dependent behavioral responses following barrelfield damage is not dependent upon the remaining somatosensory cortical tissue. Brain Research, 689, 224-232.

LaPerriere A¹, Antoni MH, Ironson G, Perry A, McCabe P, Klimas N, Helder L, Schneiderman N, Fletcher MA. (1994) Effects of aerobic exercise training on lymphocyte subpopulations. Int J Sports Med. Oct;15 Suppl 3:S127-30. PMID: 7883394

McCabe, P.M., Duan, Y.-F., Winters, R.W., Green, E.J., Huang, Y., & Schneiderman, N. (1994) Comparison of peripheral blood flow patterns associated with the Defense Reaction and Vigilance Reaction in rabbits. Physiology and Behavior, 56, 1101-1106.

Duan, Y.-F., Winters, R.W., McCabe, P.M., Green, E.J., & Schneiderman, N. (1994) Basal and reactive plasma catecholamine levels under stress and anesthesia in rabbits. Physiology and Behavior, 56, 577-583.

- Duan, Y.-F., Winters, R., McCabe, P.M., Green, E.J., & Schneiderman, N. (1994) Modulation of the neuronal firing in the medullary solitary complex by electrical stimulation of the hypothalamic defense and vigilance areas in rabbits. Brain Research, 643, 218-226.
- Markgraf, C.G., Green, E.J., Watson, B.D., McCabe, P.M., Schneiderman, N., Dietrich, W.D., and Ginsberg, M.D. (1994) Recovery of sensorimotor function following distal middle cerebral artery photothrombotic occlusion in rats. Stroke, 25, 153-159.
- Peckerman, A., Hurwitz, B.E., Saab, P.G., Llabre, M.M., McCabe, P.M., & Schneiderman, N. (1994). Stimulus dimensions of the cold pressor test and the associated patterns of cardiovascular response. Psychophysiology, 31, 282-290.
- McCabe, P.M., McEchron, M.D., Green, E.J., & Schneiderman, N. (1993) Electrolytic and ibotenic acid lesions of the medial subnucleus of the medial geniculate prevent the acquisition of classically conditioned heart rate to a single acoustic stimulus in rabbits. Brain Research, 619, 291-298.
- Hurwitz, B.E., Neelson, R.A., Saab, P.G., Nagel, J.H., Spitzer, S.B., Gellman, M.D., McCabe, P.M., Phillips, D.J., & Schneiderman, N. (1993). Differential patterns of dynamic cardiovascular regulation as a function of task. Biological Psychology, 36, 75-95.
- Prakriya, M., McCabe, P.M., & Holets, V.R. (1993) A computerized grid walking system for evaluating the accuracy of locomotion in rats. Journal of Neuroscience Methods, 48, 15-25.
- McCabe, P.M., Gentile, C.G., Markgraf, C.G., Teich, A.H., & Schneiderman, N. (1992). Ibotenic acid lesions in the amygdaloid central nucleus but not in the lateral subthalamic area prevent the acquisition of differential pavlovian conditioning of bradycardia in rabbits. Brain Research, 580, 155-163.
- Markgraf, C.G., Hurwitz, B.E., Morikawa, E., Dietrich, W.D., Ginsberg, M.D., Green, E.J., McCabe, P.M., & Schneiderman, N. (1992). Pattern of behavioral deficits following focal cerebral ischemia in rats: Sensorimotor integration and cognitive function. Brain Research, 575, 238-246.
- Green, E.J., Dietrich, W.D., van Dijk, F., Busto, R., Markgraf, C.G., McCabe, P.M., Ginsberg, M.D., & Schneiderman, N. (1992) Protective effects of brain hypothermia on behavior and histopathology following global cerebral ischemia in rats. Brain Research, 580, 197-204.
- McEchron, M.D., McCabe, P.M., Green, E.J., Llabre, M.M., & Schneiderman, N. (1992). Air puff versus shock unconditioned stimuli in rabbit heart rate conditioning. Physiology and Behavior, 51, 195-199.
- Winters, R.W., McCabe, P.M., Green, E.J., Duan, Y-F., & Schneiderman, N. (1991). Electrophysiological evidence for hypothalamic defense area input to cells in the lateral tegmental field of the medulla in rabbits. Brain Research, 558, 171-175.
- Hurwitz, B. E., Dietrich, W. D., McCabe, P. M., Watson, B. D., Ginsberg, M. D., & Schneiderman, N. (1991). Amphetamine promotes recovery from sensory-motor integration deficit after thrombotic

infarction of the primary somatosensory cortex. Stroke, 22, 648-654.

Markgraf, C. G., Liskowsky, D. R., Winters, R. W., McCabe, P. M., Green, E. J., & Schneiderman, N. (1991). Hypothalamic, midbrain, and bulbar areas involved in the defense reaction in rabbits. Physiology and Behavior, 49, 493-500.

Peckerman, A., Saab, P. G., McCabe, P. M., Skyler, J. S., Winters, R. W., & Schneiderman, N. (1991). Cold pressor pain and cardiovascular reactivity during the forehead cold stimulation procedure. Psychophysiology, 28, 485-495.

Hurwitz, B. E., Dietrich, W. D., McCabe, P. M., Watson, B. D., Ginsberg, M. D., & Schneiderman, N. (1990). Sensory-motor deficit and recovery from thrombotic infarction of the vibrissal barrel-field cortex. Brain Research, 512, 210-220.

Teich, A. H., McCabe, P. M., Gentile, C. G., Winters, R. W., Liskowsky, D. R., & Schneiderman, N. (1989). Auditory cortex lesions prevent the extinction of Pavlovian differential heart rate conditioning to tonal stimuli. Brain Research, 480, 210-218.

Laperriere, A. R., VanDercar, D. H., Shyu, L. Y., Ward, M. F., McCabe, P. M., Perry, A. C., Mosher, P. E., & Schneiderman, N. (1989). Microcomputer servo-controlled bicycle ergometer system for psychophysiological research. Psychophysiology, 26, 201-207.

Nagel, J. H., Shyu, L. Y., Reddy, S. P., Hurwitz, B. E., McCabe, P. M., & Schneiderman, N. (1989). New signal processing techniques for improved precision of non-invasive impedance cardiography. Annals of Biomedical Engineering, 17, 517-534.

Haselton, J. R., Winters, R. W., Haselton, C. L., McCabe, P. M., & Schneiderman, N. (1988). Cardiovascular responses elicited by electrical and chemical stimulation of the rostral medullary raphe of the rabbit. Brain Research, 453, 167-175.

Haselton, J. R., Winters, R. W., Haselton, C. L., McCabe, P. M., & Schneiderman, N. (1988). Anatomical and functional connections of neurons of the rostral medullary raphe of the rabbit. Brain Research, 453, 176-182.

Teich, A. H., McCabe, P. M., Gentile, C. G., Winters, R. W., Liskowsky, D. R., & Schneiderman, N. (1988). Role of auditory cortex in the acquisition of differential heart rate conditioning. Physiology & Behavior, 44, 405-412.

VanDercar, D. H., Laperriere, A. R., Shyu, L. Y., Ward, M. F., McCabe, P. M., Perry, A. C., & Schneiderman, N. (1988). Microcomputer automated system for measuring systolic time intervals in response to exercise and a psychophysiological task. Psychophysiology, 25, 703-711.

Jarrell, T. W., Gentile, C. G., Romanski, L. M., McCabe, P. M., & Schneiderman, N. (1987). Involvement of cortical and thalamic auditory regions in retention of differential bradycardia conditioning to acoustic conditioned stimuli in rabbits. Brain Research, 412, 285-294.

Jarrell, T. W., Gentile, C. G., McCabe, P. M., & Schneiderman, N. (1986). Sinoaortic denervation does

not prevent differential Pavlovian conditioning of bradycardia in rabbits. Brain Research, 381, 251-258.

Gentile, C. G., Jarrell, T. W., Teich, A., McCabe, P. M., & Schneiderman, N. (1986). The role of amygdaloid central nucleus in the retention of differential conditioning of bradycardia in rabbits. Behavioral Brain Research, 20, 263-273.

Jarrell, T. W., Romanski, L. M., Gentile, C. G., McCabe, P. M., & Schneiderman, N. (1986). Ibotenic acid lesions in the medial geniculate region prevent the acquisition of differential Pavlovian conditioning of bradycardia to acoustic stimuli in rabbits. Brain Research, 382, 199-203.

Jarrell, T. W., McCabe, P. M., Teich, A., Gentile, C. G., VanDercar, D., & Schneiderman, N. (1986). Lateral subthalamic area as a mediator of classically conditioned bradycardia in rabbits. Behavioral Neuroscience, 100, 3-10.

Jarrell, T. W., Gentile, C. G., McCabe, P. M., & Schneiderman, N. (1986). The role of medial geniculate region in differential Pavlovian conditioning of bradycardia in rabbits. Brain Research, 374, 126-136.

Haselton, J. R., Haselton, C. L., Vera, P. L., Ellenberger, H. H., Schneiderman, N., & McCabe, P. M. (1985). Nucleus reticularis lateralis mediates the pressor component of the cerebral ischemic response. Brain Research, 335, 315-320.

McCabe, P. M., Yongue, B. G., Ackles, P. K., & Porges, S. W. (1985). Changes in heart period, heart rate variability and respiratory sinus arrhythmia as a result of pharmacological manipulations of the baroreflex in cats. Psychophysiology, 22, 195-203.

McCabe, P. M., Yongue, B. G., Porges, S. W., & Ackles, P. K. (1984). Changes in heart period, heart-period variability, and a spectral analysis estimate of respiratory sinus arrhythmia during aortic nerve stimulation in rabbits. Psychophysiology, 21, 149-158.

Yongue, B. G., McCabe, P. M., Porges, S. W., Rivera, M. E., Kelley, S. L., & Ackles, P. K. (1982). The effects of pharmacological manipulations that influence vagal control of the heart on heart period, heart-period variability, and respiration in rats. Psychophysiology, 19, 426-432.

McCabe, P. M., Porges, S. W., & Carter, C. S. (1981). Heart period variability during estrogen exposure and withdrawal in female rats. Physiology and Behavior, 26, 535-538.

Porges, S. W., Bohrer, R. E., Cheung, M. S., Drasgow, F., McCabe, P. M., & Keren, G. (1980). New time-series statistic for detecting rhythmic co-occurrence in the frequency domain: The weighted coherence and its application to psychophysiological research. Psychological Bulletin, 88, 580-587.

b. Invited Reviews/Commentaries

Nation, D.A., Szeto, A., Mendez, A.J., Schneiderman, N., McCabe, P.M. Social Environment, Oxytocin, and Atherosclerosis. Invited commentary on International Atherosclerosis Society website (<http://www.athero.org>), January, 2011.

c. Book Chapters

Nation, D.A., Schneiderman, N., and McCabe, P.M. (In Press) Biopsychosocial Factors in Coronary Artery Disease. In S. Waldstein, W. Kop, and L. Katzel (Eds.), Handbook of Cardiovascular Behavioral Medicine. Springer: New York.

Brooks, L.G., McCabe, P.J., & Schneiderman, N. (2011) Stress, obesity, and metabolic syndrome as risk factors for coronary heart disease. In Baum, A. & Contrada, R.J. (Eds.), The Handbook of Stress Science. New York: Springer. pp. 399-410.

Mendez, A.J., Goldberg, R.B., & McCabe, P.M. (2010) The metabolic syndrome, obesity, and insulin resistance. In A. Steptoe and K. Freedland (Eds.) The Handbook of Behavioral Medicine, Springer: New York, pp. 705-721.

Nation, D.A., Schneiderman, N., and McCabe, P.M. (2010) Animal models in Health Psychology Research. In J. Suls, K. Davidson, and R. Kaplan (Eds.), Handbook of Health Psychology and Behavioral Medicine, Guilford Press: New York, pp. 163-181.

Winters, R.W., McCabe, P.M. & Schneiderman, N. (2002) Functional Utility and Neurobiology of Conditioned Autonomic Responses. In, A Neuroscientist's Guide to Classical Conditioning, J. Moore (Ed.), New York: Springer-Verlag, pp. 46-85.

Winters, R.W., McCabe, P.M., Green, E.J., & Schneiderman, N. (2000) Stress responses, coping, and cardiovascular neurobiology: Central Nervous System circuitry underlying learned and unlearned affective responses to stressful stimuli. In, Stress, Coping, and Cardiovascular Disease. P.M. McCabe, N. Schneiderman, T. Field, A.R. Wellens (Eds.), Mahwah, NJ: Erlbaum, pp. 1-49.

Schneiderman, N., Gellman, M.D., Peckerman, A., Hurwitz, B., Saab, P., Llabre, M., Ironson, G., Durel, L., Nagel, J., McCabe, P.M., & Skyler, J. (2000) Cardiovascular Reactivity as an Indicator of Risk for Future Hypertension. In, Stress, Coping, and Cardiovascular Disease. P.M. McCabe, N. Schneiderman, T. Field, & A.R. Wellens (Eds.), Mahwah, NJ: Erlbaum, pp. 181-202.

McCabe, P. M., Schneiderman, N., Jarrell, T. W., Gentile, C. G., Teich, A. H., Winters, R. W., & Liskowsky, D. R. (1992). Central pathways involved in differential classical conditioning of heart rate responses. In I. Gormezano, & E. A. Wasserman (Eds.), Learning & memory: The behavioral and biological substrates. Hillsdale: Erlbaum, pp. 321-346.

Schneiderman, N., & McCabe, P. M. (1989). Psychophysiological strategies in laboratory research. In N. Schneiderman, P. Kaufmann, & S. Weiss (Eds.), Handbook of research methods in cardiovascular behavioral medicine (pp. 349-363). Plenum: New York.

- Hurwitz, B. E., Dietrich, W. D., McCabe, P. M., Watson, B. D., Ginsberg, M. D., & Schneiderman, N. (1989). Amphetamine-accelerated recovery from cortical barrel-field infarction: Pharmacological treatment of stroke. In M. D. Ginsberg, & W. D. Dietrich (Eds.), Cerebrovascular diseases (pp. 309-318). New York: Raven Press.
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- McCabe, P.M., Schneiderman, N., Field, T., & Wellens, A.R. (Eds.) (2000) Stress, Coping, and Cardiovascular Disease. Mahwah, N.J.: Erlbaum, 279 pp.
- Johnson, S., Hayes, A., Field, T., McCabe P., & Schneideman, N. (Eds.) (2000) Stress, Coping, and Depression. Mahwah, N.J.:Erlbaum, 358 pp.
- Schneiderman, N., McCabe, P.M., & Baum, A. (Eds.) (1992) Stress and Disease Processes: Perspectives in Behavioral Medicine. Hillsdale, NJ: Erlbaum, 333 pp.

Field, T. M., McCabe, P.M., & Schneiderman, N. (Eds.) (1992) Stress, and Coping, in Infancy and Childhood. Hillsdale, NJ: Erlbaum, 251 pp.

McCabe, P. M., Schneiderman, N., Field, T., & Skyler, J. S. (Eds.) (1991). Stress, Coping, and Disease. Hillsdale, NJ: Lawrence Erlbaum, Inc.

Field, T., McCabe, P. M., & Schneiderman, N. (Eds.) (1988). Stress and coping over development. Hillsdale, NJ: Erlbaum, 264 pp.

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INVITED PRESENTATIONS AND SYMPOSIA:

McCabe, P.M. (2018) The role of oxytocin in atherosclerosis. Symposium address given at the International Congress on Behavioral Medicine, Santiago, Chile, November 16, 2018.

McCabe, P.M. (2016) The role of social environment, neuroendocrines and sympathetic remodeling in the progression of cardiovascular disease. Invited address given at Grand Rounds, Department of Psychiatry, University of Miami Miller School of Medicine, May 4, 2016.

McCabe, P.M. (2013) The Influence of Social Environment on Neuroendocrines, Vascular Pathophysiology and the Progression of Atherosclerosis in Animal Models of Disease. Invited address given to the McKnight Center for Age Related Memory Loss, Department of Neurology, University of Miami Miller School of Medicine, June 12, 2013.

McCabe, P.M. (2010) Social Environment, Inflammation and Atherosclerosis: To Hare is Human. Presidential Address, Academy of Behavioral Medicine Research meeting in Bodega Bay, California, June 12, 2010.

McCabe, P.M. (2010) The Influence of Social Environment on Endocrines, Vascular Pathophysiology and the Progression of Atherosclerosis in Animal Models of Disease. Invited address given at Endocrinology Grand Rounds, Department of Medicine, University of Miami Miller School of Medicine. May 27, 2010.

McCabe, P.M. (2010) The Physiology of Oxytocin and Its Role in Social Behavior and Health. Invited symposium address at the Pittsburgh Mind Body Center, Pittsburgh, PA, April 27, 2010.

McCabe, P.M. (2010) Mapping Relationships Between the Social World and Physical Health: Atherosclerosis. Symposium address given at the American Psychosomatic Society meeting, Portland, Oregon, March 11, 2010.

- McCabe, P.M. (2009) The Role of Oxytocin and Social Environment in the Progression of Atherosclerosis in Animal Models of Disease. Invited symposium address given at the Academy of Behavioral Medicine Research meeting in Keystone, Colorado, June 18, 2009.
- McCabe, P.M. (2007) The Role of Oxytocin and Social Environment in the Progression of Atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Invited symposium address given at the Academy of Behavioral Medicine Research meeting in Park City, Utah, June 22, 2007.
- McCabe, P.M. (2006) The role of oxytocin and social environment in the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic rabbit. Invited symposium address given at the International Congress of Behavioral Medicine meeting in Bangkok, Thailand, December 1, 2006
- McCabe, P.M. (2006) Social environment, endocrines & vascular mechanisms in the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic rabbit. Invited plenary lecture given at the American Psychosomatic Society meeting in Denver, March 3, 2006.
- McCabe, P.M., Paredes, J., Szeto, A., & Scheiderman, N. (2006) The role of central and peripheral oxytocin in the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic rabbit. Invited symposium address given at the American Psychosomatic Society meeting in Denver, March 2, 2006.
- McCabe, P.M. , J. Paredes, J.E. Levine & N. Schneiderman (2004) Microdialysis of oxytocin from the paraventricular hypothalamus as a function of social environment in the WHHL rabbit. Invited symposium address given at the International Congress of Behavioral Medicine, Mainz, Germany, August 27, 2004.
- McCabe, P.M. (2003) Insulin , behavioral interventions and atherosclerosis in the WHHL rabbit. Invited address given at the Academy of Behavioral Medicine Research annual meetings, Lake Tahoe, CA, June 6, 2003.
- McCabe, P.M. (2002) Social environment influences the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Invited address given at the Academy of Behavioral Medicine Research annual meetings, Islamorada, FL, June15, 2002.
- McCabe, P.M. (2001) Behavioral factors influence the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Grand Rounds presentation to the Department of Psychiatry, University of Miami Medical School, Miami, August 10, 2001.
- McCabe, P.M. (2001) Social environment, endocrine responses and progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Symposium Address at the Society of Behavioral Medicine meetings, Seattle, March 23, 2001.
- McCabe, P.M. (2000) Psychosocial stress and the progression of atherosclerosis. Invited Symposium Address at the American Psychological Society meetings, Miami Beach, June 10, 2000.

- McCabe, P.M. (1998) Animal Models of Disease. Symposium organized and led for the Academy of Behavioral Medicine Research meetings, Cape Cod, MA, June 7, 1998.
- McCabe, P.M. (1997) CNS integration of response patterns to stressful stimuli in rabbits. Invited Symposium Address at the Academy of Behavioral Medicine Research, Tucson, Arizona, June 7, 1997.
- McCabe, P.M. (1996) CNS mechanisms involved in mammalian associative learning. Invited colloquium at the Department of Molecular and Cellular Physiology, University of Miami Medical School, Miami, October 10, 1996.
- McCabe, P.M. (1996) Biobehavioral research strategies in Health Psychology. Invited Address given at Davidson College, Davidson, NC, March 12, 1996.
- McCabe, P.M. (1996) Central Nervous System mechanisms underlying learned emotional responses. Invited Address given to the Department of Psychology, Davidson College, Davidson, NC, March 13, 1996.
- McCabe, P.M. (1995) CNS control of integrated patterns of cardiovascular responses to stressors. Miami Symposium on Stress and Coping, University of Miami Department of Psychology, February 21, 1995.
- McCabe, P.M. (1994) CNS integration of cardiovascular and behavioral stress responses. Symposium co-chair (Animal models of Cardiovascular Behavioral Medicine) and address at the International Congress of Behavioral Medicine, Amsterdam, July 8, 1994.
- McCabe, P.M. (1993) Recovery of function in animal models of cerebral ischemia. Invited address presented to the Division of Neurology, Miami Children's Hospital, Miami, November 12, 1993.
- McCabe, P.M. (1993) CNS mechanisms underlying integrated patterns of cardiovascular, hormonal and behavioral responses. Invited address presented to the Academy of Behavioral Medicine Research, Nemaquin Woodlands, PA, June 7, 1993.
- McCabe, P.M. (1993) Neural substrates of associative learning involving acoustic and somatosensory stimuli. Invited address presented to the University of Minnesota Schools of Medicine and Dentistry, Minneapolis, May 17, 1993.
- McCabe, P.M. (1993) Sensorimotor and cognitive consequences of middle cerebral artery occlusion in rats. Invited paper presented at the Spring Brain Conference, Orlando, FL, March 20, 1993.
- McCabe, P.M. (1992) Instrumentation in Cardiology. Invited Symposium Chair, International Congress of IEEE-Engineering in Medicine and Biology, Paris, France, October 29, 1992.
- McCabe, P.M., Green, E.J., Dietrich, W.D., vanDijk, F., Busto, R., Ginsberg, M.D.,

Hurwitz, B.H., & Schneiderman, N. (1992) Global Cerebral Ischemia in rats: Behavioral deficits, recovery of function and potential interventions. Invited paper presented at the Spring Brain Conference, Miami Lakes, FL, March 7, 1992.

McCabe, P. M. (1989). CNS control of the circulation. Invited symposium address at the American College of Neuropsychopharmacology meetings, Maui, Hawaii, December 14, 1989.

McCabe, P. M. (1989). The neural substrates of classically conditioned heart rate response. Invited address given to the Miami Project to Cure Paralysis, Miami, October 23, 1989.

Schneiderman, N., & McCabe, P. M. (1986). Psychophysiologic strategies in laboratory research. Invited paper at the NHLBI Conference on methods and measurement in cardiovascular behavioral medicine, Key Biscayne, FL., December, 1986.

McCabe, P. M. (1985). Neurobiological bases of differentially conditioned heart rate responses in rabbits. Invited symposium presentation at the Psychonomic Society meetings, Boston, November 23.

McCabe, P. M. (1985). Biobehavioral bases of hypertension. Invited symposium presentation at the Miami Symposium on Stress and Coping, Miami, February 19.

McCabe, P. M. (1982). The neurobiological basis of conditioned bradycardia: Efferent pathways. Invited symposium presentation, Pavlovian Society, St.Petersburg, November 18.

ABSTRACTS AND PAPERS PRESENTED:

Westwright, J.S. Szeto, A., Heller, A.S., McCabe, P.M., Mendez, A. J. (2018) Regulation of pancreatic islet oxytocin by autonomic nervous system agonists. Society for Neuroscience Abstracts.

West, J.S., Szeto, A., Mendez, A.J., McCabe, P.M. (2017) Norepinephrine influences early atherosclerotic events in cultured human aortic endothelial cells and THP-1 monocytes. *American Psychosomatic Society.*

Cuneo, M., Mendez, A.J., Szeto, A., McCabe, P.M., Christensen, M.S., Sood, A.K., Lutgendorf, S.K. (2016) Elevated Circulating Oxytocin Levels in Ovarian Cancer Patients: Associations with Stress and Psychosocial Vulnerability. *American Psychosomatic Society.*

West, J.S., Szeto, A., Granger, C.J., Hamilton, N. R., Isaia, A.L., Umland, O., Mendez, A.J., McCabe, P.M. (2016) Interactive effects of adrenergic agonists and hyperlipidemia on cultured endothelial cells. *American Psychosomatic Society.*

- Szeto, A., Ahmed, R., West, J., Hernandez, R., Boulina, M., Mendez, A.J., McCabe, P.M. (2016) Oxytocin is expressed by murine macrophages, vascular cells, and pancreatic islet cells. *American Psychosomatic Society*.
- Sun-Suslow, N., Szeto, A., Mendez, A.J., Schneiderman, N., McCabe, P.M. (2015) The oxytocin receptor in response to inflammation in human macrophages. *Psychosomatic Medicine*. 77 (3), A-8 (Citation Poster). *American Psychosomatic Society*.
- Szeto, A., McCabe, P.M., Noller, C.M., Sun, N., Schneiderman, N., Mendez, A.J. (2013). Influence of oxytocin on systemic inflammation in human and mouse macrophages. *American Psychosomatic Society*, 75(3), A49.
- Noller, C.M., Mendez, A.J., Szeto, A., Llabre, M.M., Zaias, J., Schneiderman, N., McCabe, P.M. (2013). Social environment, atherosclerosis, and remodeling of sympathetic nervous system innervation of vascular tissue. *American Psychosomatic Society*, 75(3), A103.
- Mendez, A.J., Chadipiralla, K., Szeto, A., Raij, L., McCabe, P.M., and Zhou M.-S. (2011) Oxytocin increases nitric oxide synthase phosphorylation in vascular endothelial cells via PI3K-dependent mechanisms. American Heart Association, High Blood Pressure Research (HBPR 2011), P210.
- Szeto, A., Rossetti, M.A, Mendez, A.J., Noller, C.M., Schneiderman, N., McCabe, P.M (2011) The influence of oxytocin on inflammation and atherosclerosis in WHHL rabbits. American Psychosomatic Society Abstracts.
- McCabe, P.M. (2010) Mapping Relationships Between the Social World and Physical Health: Atherosclerosis. American Psychosomatic Society Abstracts.
- Nation, D.A., Szeto, A., Mendez, A.J., Brooks, L.G., Zaias, J., Schneiderman, N., and McCabe, P.M. (2009) The effect of Oxytocin on Adipose Tissue Inflammation and Atherosclerosis in apoE^{-/-} mice. American Psychosomatic Society Abstracts.
- McCabe, P.M. (2006) The role of oxytocin and social environment in the progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic rabbit. International Journal of Behavioral Medicine, Volume 13, Supplement, p. 177.
- Brooks, L.G., Gonzales, J.A., Zaias, J., Szeto, A., Mendez, A.J., Llabre, M.M., Schneiderman, N., and McCabe, P.M. (2006) C-reactive protein levels predict atherosclerosis in Watanabe Heritable Hyperlipidemic rabbits. Annals of Behavioral Medicine, Vol. 28, 60.
- Nation, D.A., Gonzales, J.A., Mendez, A.J., Zaias, J., Szeto, A., Schneiderman, N., and McCabe, P.M. (2005) Social Environment, Oxidative Stress, Inflammation, and Atherosclerosis in the WHHL rabbit. Annals of Behavioral Medicine, Vol. 27, 59.
- Brooks, L.G., Gonzales, J.A., Szeto, A., Mendez, A.J., Schneiderman, N., Llabre, M.M., and McCabe, P.M. (2005) Oxidized Low Density Lipoprotein, Social Environment, and Disease in the WHHL rabbit. Annals of Behavioral Medicine, Vol. 27, 58.
- Paredes, J., Levine, J.E., Schneiderman, N., and McCabe P.M. (2003) Chronic microdialysis of CNS

peptides as a function of social environment in the WHHL rabbit. Society for Neuroscience Abstracts, 29.

McCabe, P.M., Gonzales, J., Zaias, J., Szeto, A., Kumar, M., Herron, A., & Schneiderman, N. (2001) Social environment, endocrine responses and progression of atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit. Annals of Behavioral Medicine, Vol. 23, 2001 suppl., S114.

Sanders, M.J., Godsil, B.P., McCabe, P.M., Fanselow, M.S. (2000) Amygdala lesions reduce post-shock freezing and ultrasonic vocalizations in rats subjected to a tone-shock fear conditioning protocol. Society for Neuroscience Abstracts, 26.

Katzen, H.L., Levin, B.E., Llabre, M.M., Rey, G.G., Winters, R.W., & McCabe, P.M. (2000) Lateralization of tremor at disease onset exerts an effect on cognition in Parkinson's Disease. Society for Neuroscience Abstracts, 26.

Paredes, J.P., Green, E.J., Winters, R.W., Gonzales, J., Schneiderman, N., & McCabe, P.M. (1998) Forebrain projections to the periaqueductal grey in the rabbit. Society for Neuroscience Abstracts, 24, 125.

Webber, T.J., Green, E.J., Schneiderman, N., & McCabe, P.M. (1997) Experimentally-induced changes in synaptic efficacy of the auditory inputs to the the medial subdivision of the medial geniculate nucleus. Society for Neuroscience Abstracts, 23, 1619.

Katzen, H., Levin, B., Neibler, N., Ginart, H., Llabre, M., & McCabe, P. (1997) Age of disease onset influences cognition in Parkinson's disease. Journal of the International Neuropsychological Society, 3(1), 32.

Webber, T.J., Green, E.J., Schneiderman, N., & McCabe, P.M. (1996) Glutamate receptors contribute to synaptic transmission between the brachium of the inferior colliculus and the medial geniculate nucleus. Society for Neuroscience Abstracts, 22.

McEchron, M.D., McCabe, P.M., Green, E.J., Hitchcock, J.M., & Schneiderman, N. (1995) Immunohistochemical expression of the c-Fos protein in the spinal trigeminal nucleus following presentation of a corneal airpuff unconditioned stimulus. Society for Neuroscience Abstracts, 21.

McCabe, P.M., McEchron, M.D., Green, E.J., & Schneiderman, N. (1994) Destruction of neurons in the ventral posterior medial thalamus with ibotenic acid prevents classically conditioned heart rate in rabbits. Society for Neuroscience Abstracts, 20.

McEchron, M.D., McCabe, P.M., Green, E.J., Winters, R.W., Nolen, T.G., & Schneiderman, N. (1994) Changes of synaptic efficacy in the medial subnucleus of the medial geniculate nucleus as the result of classical conditioning to an acoustic stimulus. Society for Neuroscience Abstracts, 20.

Mayberry, M.D., Pazos, A.J., Green, E.J., McCabe, P.M., Schneiderman, N., Lin, B., Busto, R., Ginsberg, M.D., & Dietrich, W.D. (1994) Postischemic brain hypothermia combined with delayed MK-801 confers lasting behavioral protection following transient global ischemia in rats. Society for Neuroscience Abstracts, 20.

- Pazos, A.J., Mayberry, M.D., Font, A., McCabe, P.M., Dietrich, W.D., Green, E.J. (1994) Recovery of a vibrissae-dependent behavioral response following photothrombotic infarction of somatosensory cortex in rats. Society for Neuroscience Abstracts, 20.
- Duan, Y.-F., McCabe, P.M., Winters, R.W., Green, E.J., Huang, Y., & Schneiderman, N. (1993) Vigilance reaction elicited by electrical stimulation of the midbrain periaqueductal gray and the hypothalamus may involve separate neural pathways in rabbits. Society for Neuroscience Abstracts, 19, 954.
- McEchron, M.D., McCabe, P.M., Green, E.J., & Schneiderman, N. (1992) Simultaneous single unit recording in the acoustic thalamus and the amygdala throughout habituation, differential acquisition, and extinction of the rabbit's conditioned heart rate. Society for Neuroscience Abstracts, 18, 338.
- Duan, Y-F., Winters, R.W., McCabe, P.M., Green, E.J., Huang, Y., & Schneiderman, N. (1992) Modulation of the neuronal firing in the nucleus tractus solitarius by electrical stimulation of the hypothalamic defense and vigilance areas in rabbits. Society for Neuroscience Abstracts, 18, 1188.
- Pazos, A.J., Green, E.J., Dietrich, W.D., McCabe, P.M., Earl, C.P., Watson, B.D., Hurwitz, B.E., Ginsberg, M.D., and Schneiderman, N. (1992) Effects of focal cerebral infarction of the frontal cortex on a vibrissae-dependent behavioral response in rats. Society for Neuroscience Abstracts, 18, 1582.
- Markgraf, C.G., Castro, M., Wilkens, A.S., Green, E.J., McCabe, P.M., Dietrich, W.D., Schneiderman, N., & Ginsberg, M.D. (1992) Recovery of sensorimotor function following photothrombotic occlusion of the distal middle cerebral artery in rats. Society for Neuroscience Abstracts, 18, 1581.
- Peckerman, A., Hurwitz, B.E., Saab, P.G., McCabe, P.M., Llabre, M.M., & Schneiderman, N. (1992) Pain and associated cardiovascular responses during two types of the cold pressor test. Paper presented at the Society for Behavioral Medicine meetings, San Francisco.
- McCabe, P.M., Duan, Y-F., Winters, R.W., Green, E.J., & Schneiderman, N. (1991) Hypothalamic defense area modulation of the baroreceptor reflex in rabbits. Society for Neuroscience Abstracts, 17, 997.
- Van Dijk, F., Green, E.J., Dietrich, W.D., Busto, R., McCabe, P.M., Markgraf, C.G., Globus, M. Y-T., Alonso, O., Ginsberg, M.D., & Schneiderman, N. (1991) Protective effects of neural hypothermia on behavior following global cerebral ischemia in rats. Society for Neuroscience Abstracts, 17, 1080.
- Green, E.J., McCabe, P.M., & Nichols, M.A. (1991) Effects of restraint and adrenalectomy on behaviorally-related synaptic efficacy changes in rat fascia dentata. Society for Neuroscience Abstracts, 17, 663.
- Hurwitz, B.E., McCabe, P.M., Dietrich, W.D., & Schneiderman, N. (1991) Photochemical somatosensory cortical infarction: A model of sensory-motor behavioral deficit and recovery. Paper presented at the Spring Brain Conference, March 1991.

- Winters, R.W., McCabe, P.M., Green, E.J., Duan, Y.-F., Huang, Y., Markgraf, C.G., & Schneiderman, N. (1990). Electrophysiological evidence for hypothalamic defense area input to cells in the lateral tegmental field of the medulla in rabbits. Society for Neuroscience Abstracts, 16.
- Markgraf, C.G., Hurwitz, B.E., Morikawa, E., Dietrich, W.D., Ginsberg, M.D., Green, E.J., McCabe, P.M., & Schneiderman, N. (1990). Pattern of behavioral deficits following focal cerebral ischemia in rats: Sensorimotor integration and cognitive function. Society for Neuroscience Abstracts, 16.
- Peckerman, A., Saab, P. G., McCabe, P. M., Skyler, J. S., Winters, R. W., & Schneiderman, N. (1990). Cold pressor pain and cardiovascular reactivity during the forehead cold stimulation procedure. Society for Behavioral Medicine meetings, Chicago.
- Nelesen, R. A., Hurwitz, B. E., Saab, P. G., Gellman, M. D., McCabe, P. M., & Schneiderman, N. (1990). Hemodynamic forces supporting blood pressure elevation to three behavioral stressors. Society for Behavioral Medicine meetings, Chicago.
- Markgraf, C. G., Winters, R. W., McCabe, P. M., Duan, Y-F., & Schneiderman, N. (1989). Cardiorespiratory responses to electrical stimulation of the dorsomedial hypothalamus of the rabbit. Society for Neuroscience Abstracts, 15.
- Hurwitz, B. E., Dietrich, W. D., McCabe, P. M., Watson, B. D., Ginsberg, M. D., & Schneiderman, N. (1989). A model of sensory-motor behavioral deficits and recovery following infarction of the primary somatosensory cortex. Cerebral Blood Flow and Metabolism (Suppl. 1), 9, S269.
- Hitchcock, J. M., Reed, T. L., McCabe, P. M., & Schneiderman, N. (1989). Effect of lesions of the spinal trigeminal tract on acquisition of classically conditioned bradycardia in the rabbit. Society for Neuroscience Abstracts, 15, 888.
- McCabe, P. M., Hitchcock, J. M., Markgraf, C. G., Tucker M. A., Winters, R. W., & Schneiderman, N. (1989). Spinal trigeminal projections to the magnocellular region of the medial geniculate nucleus in rabbits. Society for Neuroscience Abstracts, 15, 888.
- Pasin, R. D., Nelesen, R., Durel, L. A., Weintraub, J. K., Gellman, M. D., McCabe, P. M., & Schneiderman, N. (1988). Cardiovascular and hormonal reactivity as a function of Type A, hostility, and anger expression. Society for Behavioral Medicine, Meetings, San Francisco.
- Nelesen, R., Goldstein, D., Gutt, M., Schneiderman, L., Pasin, R. D., McCabe, P. M., Woo-Ming, R., & Schneiderman, N. (1988). Racial differences in blood pressure response during recovery from submaximal exercise. Society for Behavioral Medicine, Meetings, San Francisco.
- McCabe, P. M., Markgraf, C. G., Quetel, J. A., Liskowsky, D. R., Winters, R. W., & Schneiderman, N. (1988). Afferent connections of magnocellular region of the medial geniculate nucleus in the rabbit. Society for Neuroscience Abstracts, 14.

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Schneiderman, N., Markgraf, C. G., McCabe, P. M., Liskowsky, D. R., & Winters, R. W. (1988). Ibotenic acid lesions in the magnocellular medial geniculate nucleus prevent the acquisition of classically conditioned bradycardia to single tones in rabbits. Society for Neuroscience Abstracts, 14.

Markgraf, C. G., Liskowsky, D. R., McCabe, P. M., Winters, R. W., & Schneiderman, N. (1988). Cardiorespiratory, plasma catecholamine, and behavioral responses from stimulation of the periaqueductal grey region in the rabbit. Society for Neuroscience Abstracts, 14.

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Hurwitz, B. E., Dietrich, W. D., McCabe, P. M., Watson, B. D., Ginsberg, M. D., & Schneiderman, N. (1988). Amphetamine enhances behavioral recovery from sensory-motor deficit resulting from infarction of primary somatosensory cortex. Society for Neuroscience Abstracts, 14.

Hurwitz, B. E., Ward, M. F., McCabe, P. M., & Schneiderman, N. (1988). Changes in systolic time intervals and T-wave amplitude during sympathetic and parasympathetic pharmacological blockade. Society for Psychophysiological Research, San Francisco.

Tran, C., Hurwitz, B. E., Duara, S., Gerhardt, T., Schneiderman, N., McCabe, P. M., & Bancalari, E. (1988). Maturation of the cardiorespiratory response to trigeminal stimulation in neonates. The Society for Pediatric Research.

Teich, A. H., McCabe, P. M., Gentile, C. G., Winters, R. W., Liskowsky, D. R., & Schneiderman, N. (1987). Auditory cortex lesions disrupt differential bradycardiac conditioning to tonal stimuli in rabbits. Society for Neuroscience Abstracts, 13.

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Hurwitz, B. E., Dietrich, W. D., McCabe, P. M., Watson, B. D., & Schneiderman, N. (1987). CNS plasticity and behavioral deficit following photochemical infarction of the whisker cortical barrel fields. Society for Neuroscience Abstracts, 13.

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- Jarrell, T., Gentile, C., McCabe, P. M., & Schneiderman, N. (1986). Afferent barosensory input is not necessary for acquisition of differential Pavlovian conditioning of bradycardia in rabbits. FASEB Abstracts.
- Weintraub, J. K., Carver, C. S., McCabe, P. M., Spitzer, S., & Schneiderman, N. (1986). Anger, hostility, and reactivity in the Miami Hypertension Project. Society of Behavioral Medicine Meetings, San Francisco.
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- Gentile, C. G., Romanski, L. M., Jarrell, T. W., McCabe, P. M., & Schneiderman, N. (1986). Ibotenic acid lesions in amygdaloid central nucleus prevent the acquisition of differentially conditioned bradycardia responses in rabbits. Society for Neuroscience Abstracts, 12.
- Hurwitz, B. E., Dietrich, L. D., McCabe, P. M., Watson, B. D., & Schneiderman, N. (1986). Behavioral consequences of photochemically induced cortical whisker barrel-field infarction. Society for Neuroscience Abstracts, 12.
- Jarrell, T. W., Gentile, C. G., McCabe, P. M., & Schneiderman, N. (1985). Medial geniculate nucleus as mediator of differentially conditioned bradycardia in rabbits. Society for Neuroscience Abstracts, 11.
- Gentile, C. G., Jarrell, T. W., Teich, A., McCabe, P. M., & Schneiderman, N. (1985). Amygdala central nucleus as mediator of differentially conditioned bradycardia in rabbits. Society for Neuroscience Abstracts, 11.
- Le Blanc, W. G., McCabe, P. M., Haselton, J., Haselton, C. L., Ellenberger, H. H., & Schneiderman, N. (1983). Role of the ventrolateral medulla in the control of the cerebral ischemic response in rabbits. Society for Neuroscience Abstracts, 9.
- Haselton, J. R., Ellenberger, H. H., McCabe, P. M., & Schneiderman, N. (1982). Central control of the

cardiovascular and respiratory components of the cerebral ischemic response (CIR). Society for Neuroscience Abstracts, 8.

Yongue, B. G., McCabe, P. M., Kelley, S. L., Rivera, P., & Porges, S. W. (1980). Changes in respiratory modulate component of heart period variability as a result of pharmacological manipulations of vagal tone in rats. Paper presented at Society for Psychophysiological Research, Vancouver.

McCabe, P. M., Porges, S. W., & Yongue, B. G. (1979). Spectral analysis of heart rate during depressor nerve stimulation: The validation of a non-invasive estimate of vagal tone. Society for Neuroscience Abstracts, 5, 156.

Yongue, B. G., Porges, S. W., & McCabe, P. M. (1979). Changes in vagal control of the heart following signalled and unsignalled shock. Paper presented at Society for Psychophysiological Research, Cincinnati.

McCabe, P. M., Porges, S. W., & Yongue, B. G. (1979). The validation of a non-invasive measure of vagal influences on the heart. Paper presented at Society for Psychophysiological Research, Cincinnati.

Greenough, W. T., Carter, C. S., Ackerman, T., Reeder, R., Mateer, J., Reeder, T., Lyerla, E., Bohnsak, M., McCabe, P. M., Suits, C., & DeBoogd, T. (1977). Sexual dimorphism in dendritic pattern in basal forebrain regions of intact adult hamsters. Society for Neuroscience Abstracts, 3, 345.

GRANT ACTIVITY:

Active Support:

National Institute of Health, NHLBI Training Grant (HL-04726-39)

“Behavioral Medicine Training in Cardiovascular Disease”

Annual Direct Costs: \$ 210,665, 7/14-6/19

Philip McCabe, Co-Director, 10% effort

P.I., Neil Schneiderman

Pending Support:

None

Past Support:

National Institutes of Health, NHLBI

1 R01 HL116387-01A1 McCabe (PI) 7/13-5/18

Social Environment, Sympathetic Nervous System & Atherosclerosis in WHHL Rabbits

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Philip M. McCabe

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Role: P.I., Philip McCabe
Annual Direct Costs: \$360,110

National Institutes of Health, NHLBI Program Project (HL P01 36588)
"Biobehavioral Bases of CHD Risk and Management"

Project 3: "Social Environment, Hyperlipidemia, Inflammation
and Atherosclerosis in WHHL Rabbits"

Annual Direct Costs: \$300,000, 6/86-3/13

Project Leader: Philip McCabe, 25% effort

P.I.: Neil Schneiderman

National Institute of Health, NINCDS Program Project (NS05820-28)

Core D: "Behavioral Correlates of Cerebral Ischemia"

Annual Direct Costs: \$45,021, 8/95 - 5/00

Co-Core Leader: Philip M. McCabe, 5% effort

P.I., M. D. Ginsberg, Department of Neurology

National Science Foundation, IBN-9222194

"CNS Mediation of Conditioned Bradycardia"

Annual Costs: \$69,497, 1993-1997

P.I., Philip M. McCabe, 20% effort

National Institute of Health, NINCDS (NS-24874-03)

"CNS Mediation of Differentially Conditioned Heart Rate Responses"

Annual Direct Costs: \$65,037, 2/88 - 1/91

P.I., Philip M. McCabe, 25% Effort

National Institute of Health, NINCDS Program Project (NS-05820-20)

"CNS Mediation of Cerebral Ischemic Response"

Annual Direct Costs: \$26,000 8/85 - 7/87

Investigator, Philip M. McCabe, 10% Effort

Project Leader, Neil Schneiderman

NIH, NIH Small Instrumentation Program, University of Miami, \$12,100 - 1988

Co-P.I., Philip M. McCabe

NIH-BRSG, Biomedical Support Grant, University of Miami,

"Neural Substrates of Sympathetic Reactivity"

\$16,722, 1987

Co-P.I., Philip M. McCabe

NIH-BRSG, Biomedical Support Grant, University of Miami,

"Salt-Stress Hypertension in Rats"

\$3,918, 1985

P.I., Philip M. McCabe

NIH-BRSG, Biomedical Support Grant, University of Miami,

"Central Respiratory-Cardiovascular Interactions"

VITA June 11, 2019

Philip M. McCabe

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\$5,000, 1983

P.I., Philip M. McCabe

EDITORIAL DUTIES:

Editorial Board:

Health Psychology (1986-1991)

Special Associate Editor:

Health Psychology (1988,7 (2)), "Animal Behavior Models in Health Psychology Research"

Editorial Consultant:

Proceedings of the National Academy of Sciences

Journal of Neuroscience

Behavioral Neuroscience

Behavioral Brain Research

Behavioral and Neural Biology

Biological Psychiatry

Journal of Cellular and Molecular Cardiology

Journal of Cerebral Blood Flow and Metabolism

Neurobiology of Learning and Memory

Psychophysiology

Psychosomatic Medicine

Health Psychology

Physiology and Behavior

Physiological Psychology

Journal of Experimental Psychology: Animal Behavior Processes

Journal of Chemical Neuroanatomy

Journal of Cardiovascular Electrophysiology

Psychological Review

Psychological Bulletin

Developmental Brain Research

American Journal of Neuroradiology

Stress

Annals of Behavioral Medicine

GRANT REVIEW/WORKSHOPS:

Reviewer's Reserve, NIMH, NIH

SBIR Study Section, NIMH, NIH (1991-1995)

Ad Hoc Reviewer and Site Visits: Experimental Cardiovascular Study Section, NIH; Biopsychology Study Section, NIH; Integrative Neurosciences Division, NSF; Department of Defense; Veterans

Administration; SBIR Study Section, ADAMHA

NIH Exposure Biology Workshop Psychosocial Stress group (2006)

NHLBI Special Review Committee-Program Project Review (2007)

NSF Merit Review, Neural Systems Cluster, Integrative Organismal Systems / BIO (2007)

PROFESSIONAL SOCIETIES:

Academy of Behavioral Medicine Research

International Brain Research Organization

Society for Neuroscience

Society of Behavioral Medicine

The American Psychosomatic Society

UNIVERSITY COMMITTEES AND ACTIVITIES:

| | |
|--------------|---|
| 2009-present | University-wide Brain Imaging Task Force |
| 2006-2007 | Search Committee, Dean of the Graduate School |
| 2006-2007 | STEM Committee |
| 2005-2007 | Search Committee, Director of the NIEHS Center, RSMAS/Medical School |
| 2004-2005 | Search Committee, Dean of the College of Arts and Sciences |
| 2003-2005 | Search Committee for Director, McKnight Center for Memory and Aging |
| 2003-present | Director, Undergraduate Neuroscience Program |
| 2003-2006 | College of Arts and Sciences Budget and Compensation Committee (Chair) |
| 2003-2005 | Strategic Planning Budget Committee (Chair), College of Arts and Sciences |
| 2001-present | Neuroscience Center Steering Committee |
| 2001-present | Undergraduate Neuroscience Major Steering Committee |
| 2001-2003 | Graduate Honor Council |
| 2000-present | Lois Pope Fellowship Committee |
| 2000-2003 | Neuroscience Ph.D. Program Admissions Committee (Chair) |
| 1999-2001 | Library Strategic Planning Committee |
| 1999-2002 | Medical School Dean's Committee for Research Excellence Awards |
| 1996-present | Committee on Scientific Fraud and Misconduct |
| 1996-1999 | Promotion and Tenure Committee, College of Arts and Sciences |
| 1996-1997 | Search Committee for the Dean of the College of Arts and Sciences |
| 1995-1997 | Committee on Financial and Physical Resources (SACS review of University) |
| 1994-2003 | Graduate Council's Subcommittee on Graduate Faculty |
| 1993-1994 | Search Committee for Dean of the Graduate School |
| 1993-2000 | University-wide Neuroscience Program Steering Committee |
| 1993 | College of Arts and Sciences fundraising-Cornerstone Campaign |
| 1991 | Ad Hoc Committee to Establish a University-wide Neuroscience Program |
| 1989-1991 | Faculty Senate |
| 1989-1991 | Chairman, Arts and Sciences Caucus, Faculty Senate |
| 1987-1992 | Internal Animal Care and Use Committee |
| 1984-1986 | College of Arts and Sciences Curriculum Subcommittee |

DEPARTMENTAL ACTIVITIES:

| | |
|--------------|--|
| 2009-present | Faculty Search Committee-Cognitive Neuroscience |
| 1992-present | Associate Chairman |
| 1992-present | Chairman's Advisory Committee |
| 1998-present | Computer Committee (Chair) |
| 1992-present | Coordinator, Graduate Studies |
| 1998-2000 | Minority Recruitment Committee (Health Division) |
| 1996-1997 | Faculty Search Committee-Health Division |
| 1993-1994 | Faculty Search Committee-Adult Division Director |
| 1991-1992 | Faculty Search Committee-Health Division |
| 1986-present | Director, Behavioral Neuroscience Program |
| 1986-1992 | Assistant Director, Health Psychology Division |
| 1986-1991 | Chair, Health Division Admissions Committee |
| 1983-1996 | Co-Organizer, Annual Stress and Coping Symposium |

RESEARCH INTERESTS:

Behavioral and CNS factors in coronary heart disease and atherosclerosis
Brain mechanisms in emotional behavior
CNS control of integrated cardiovascular, hormonal, and behavioral responses
Neural mechanisms of learning and memory; emotional memory systems
Neural plasticity and recovery of function following stroke
Behavioral medicine/Health Psychology
Non-invasive assessment of autonomic nervous system activity and cardiovascular function

TEACHING:

University of Miami:

Undergraduate Courses: Psychology 102 - Biological Bases of Behavior
Psychology 402 - Psychobiology
Psychology 403 - Laboratory in Psychobiology
Psychology 367, 368- Undergraduate Research Supervision
Psychology 120 - Neuroscience FORUM

Graduate Courses: Psychology 605 – Cognitive Neuroscience
Psychology 659 - Psychophysiology
Psychology 676 - Seminar in Hypertension
Psychology/Neuroscience 697 - Neuroanatomy
Biomedical Engineering 502 - Neurophysiology for

Biomedical Engineers
Neuroscience 661 - Integrative Neurosciences (Team Taught by the
University-wide Neuroscience Program)

Medical School Courses: Guest Lecturer, Stress Section, 1st year Medical School Endocrinology
Course, Dr. Andrew Taylor, Instructor

Guest Lecturer, Neuroanatomical Methods, Neuroscience Program Course
Dr. Ellen Barrett, Coordinator

Guest Lecturer, Cardiovascular Pharmacology, Molecular and Cellular
Pharmacology 632, Dr. David Adams, Instructor

High School Research Opportunity Programs: Dade County Public Schools, Community Laboratory Research
Program
Dade County Private Schools, LEAP Program

POSTDOCTORAL FELLOWS SUPERVISED:

1984-1987 Dr. Barry Hurwitz
1987-1991 Dr. Carrie Markgraf
1988-1990 Dr. Janice Hitchcock
1994-1996 Dr. Kuen Kao
2000-2004 Dr. Julie Gonzales
2004-2006 Dr. Jamespaul Paredes
2006-2012 Dr. Angela Szeto

DOCTORAL DISSERTATIONS CHAIRED:

1986 Theodore Jarrell
1987 Alan Teich
1988 Christopher Gentile
1995 Mathew McEchron
1996 James Cordle (co-Chair)
1996 Evie Sullivan (co-Chair)
1998 Chris Leitten (co-Chair)
1999 Heather Katzen (co-Chair)
2000 Julie Gonzales
2000 Howard Lagoze (co-Chair)
2001 Elizabeth Jenkins (co-Chair)
2001 Gary Danton (Neuroscience Program)
2004 Jack King (Interdisciplinary Ph.D. Program)
2004 Jim Paredes
2005 Cindy Achat (Neuroscience Program)
2006 Angela Szeto
2009 Larry Brooks
2009 Daniel Nation

| | |
|------|---|
| 2009 | Ilona Buscher (co-Chair) |
| 2009 | Blake Scanlon (co-Chair) |
| 2009 | Yenisel Cruz (Neuroscience Program) |
| 2010 | Connie Myerson (co-Chair) |
| 2010 | Gillian Reiersen (Neuroscience Program) |
| 2010 | Jonathan Kelley (Neuroscience Program) |
| 2012 | Shervin Liddie (Neuroscience Program) |
| 2012 | Crystal Noller |

MASTERS THESES CHAIRED:

| | |
|------|---|
| 1985 | Theodore Jarrell |
| 1986 | Alan Teich |
| 1986 | Brigitte Rose (Biology; co-chair) |
| 1986 | Arthur Laperriere |
| 1987 | Christopher Gentile |
| 1988 | T.M. Chang (Biomedical Engineering; co-chair) |
| 1993 | Yu-Fei Duan |
| 1993 | Mathew McEchron |
| 1996 | Heather Katzen (co-Chair) |
| 1998 | Timothy Webber |
| 1999 | JamesPaul Paredes |
| 2003 | Angela Szeto |
| 2003 | Patrick Tao |
| 2006 | Daniel Nation |
| 2008 | Crystal Noller |
| 2009 | Maria Agustina Rossetti |
| 2012 | Ni Sun |
| 2014 | Jesi West |

Ph.D. DISSERTATION COMMITTEES:

| | | | |
|---------------------|--------------------------|------------------------|--------------------|
| Rick Kaderman | Rosemary Pasin | Kedu Han (BME) | Bob Aмео (EdPsy) |
| John Anderson | Richard Brown | Luke Ciaccio | Dimitri Christidis |
| Mercedes DeCubas | Yu-Fei Duan | Howard Ellenberger | Milli Figueredo |
| Chris Gentile | Marc Gellman | Peggy Greco | Sue Green (EdPsy) |
| David Goldstein | Susan Lutgendorf | Matt McEchron | Rick Neleson |
| Becky Olson | Mike Hurley (Ed Psy) | Mark Kleiman (Ed Psy) | Arnold Peckerman |
| Adele Platania | Ruth Quillian | Bill Wohlgemuth | David Schwartz |
| Liang Yu Shyu (BME) | Sheri Stoller | Ed Suarez | Alan Teich |
| Ted Jarrell | Leni White | Nancy Tischenkel | Pedro Vera |
| James Haselton | Bill Leblanc | Kathy McKinney (Music) | C. Martin (EdPsy) |
| James Cordle | Howard Lagoze | Terri Baldewicz | Gui Deng(Biology) |
| Vicki Dilillo | Toni Leo | Rick Steutzle | Beth Jenkins |
| Beth Klein | Melissa Santiago (Pharm) | Evie Sullivan | Ale Pazos |

| | | | |
|--------------------------|--------------------------|-------------------------|-------------------|
| Chris Leitten | Heather Katzen | Tanza Ross (Biology) | Matt Sanders |
| Dean Cruess | Helen Bramlett | Tim Webber | Dena Rosenberg |
| Mindy Ma | Claudia Woodward | Julie Gonzales | Jim Paredes |
| Gary Danton (Neurosci.) | MacKenzie Howard (Neur) | Dan Falk | AnnMari. Bramwell |
| Jocelyn Winzer | Candace Vallenia-Hart | Mark McCollum (Pharm) | Angela Szeto |
| Cindy Achat (Neurosci.) | Courtney Burnette | Larry Brooks | Yelena Katzman |
| Daniel Nation | Gillian Reiersen (Neuro) | Jonathan Kelley (Neuro) | Iлона Buscher |
| Blake Scanlon | Ben Tabak | Lamista Schultz | Virginia Coryell |
| Yenisel Cruz (Neurosci.) | Robert Oum | Connie Myerson | Crystal Noller |
| Shervin Liddie (Neuro.) | Ni Sun-Suslow | Jesi Westwright | |

M.S. THESIS COMMITTEES:

| | | | |
|--------------------------|--------------------------|-------------------------|---------------------|
| Mike Ward (BME) | Rosemary Pasin | Cindy Brown (Nursing) | David Collard |
| T.M. Chang (BME) | Yu Fei Duan | Howard Ellenberger | Chris Gentile |
| Chih Chen Lu (BME) | Matt McEchron | Ale Pazos | Mikal Keenan |
| Murali Prakriya (BME) | JamesPaul Paredes | Arnold Peckerman | Brigitte Rose(Biol) |
| Sridihar Reddy (BME) | Ken Hausman (BME) | Liang Yu Shyu (BME) | Rick Smith |
| Lexander Reina (BME) | Alan Teich | Ted Jarrell | Jim Haselton |
| Willi Steinke (Music Th) | Heather Katzen | Tim Webber | Helen Bramlett |
| AnnMarie Bramwell | Angela Szeto | Patrick Tao | Jim Paredes |
| Yelena Katsman | Daisaku Kamahara (Music) | Daniel Nation | Virginia Coryell |
| Ben Tabak | Kim Ono | Lilliann Zamora (Biol.) | Crystal Noller |
| Maria Rossetti | Ni Sun-Suslow | Jesi Westwright | |