

MUSC SCOR Pilot Projects and Investigators Funded 2002-2011

Principal Investigator Affiliate, Department	Pilot Project	Impact
Gary Aston-Jones, PhD Professor MUSC, Neurosciences	The Role of CRF and the Locus Coeruleus in Women's Increased Vulnerability to Relapse	<ul style="list-style-type: none"> • Project recently initiated
Sudie Back, PhD Associate Professor MUSC, Psychiatry	Addiction and Stress: Decreasing Stress Reactivity	<ul style="list-style-type: none"> • 3 conference presentations • 2 journal articles • 1 R21 submission • 1 K Award • 1 R01 awarded
Howard C. Becker, PhD Professor MUSC, Psychiatry	Nicotine Self-Administration in Female Mice	<ul style="list-style-type: none"> • R21 submission
Heather Bimonte-Nelson, PhD Associate Professor Arizona State University	Estrogen Replacement Effects on Spatial Memory	<ul style="list-style-type: none"> • 2 journal articles • 2 R03 applications • 1 R03 awarded • 1 R01 Awarded • Gender-specific work in MUSC Aging Center
Heather Boger, PhD Post Doctoral Fellow, MUSC, Neurosciences	Gender Differences In Response to a Genetic Reduction of GDNF on the Nigrostriatal Dopamine System and Motor Function	<ul style="list-style-type: none"> • 1 manuscript submission • 2 journal articles • 1 conference presentation
Angie Cason, PhD Post Doctoral Fellow, MUSC, Neurosciences	Sex Differences in Natural Reward-seeking: Role of Orexin	<ul style="list-style-type: none"> • Project recently initiated
Matthew Carpenter, PhD Associate Professor MUSC, Psychiatry	Menstrual Phase Influences on Smoking Cessation	<ul style="list-style-type: none"> • 2 conference presentations • 1 journal article • 1 K Award • 2 RO1s awarded
Eugene Chang, MD Associate Professor MUSC, Obstetrics-Gynecology	Antioxidant Approaches to Treatment and Prevention of Preclampsia in an Animal Model	<ul style="list-style-type: none"> • 2 conference presentations • 1 journal article • 1 abstract submission • 1 K Award submission
Patricia Coker-Bolt, PhD Assistant Professor MUSC, College of Health Professions	Early Gender-Related Motor Skills Differences in Female and Male Preterm Infants	<ul style="list-style-type: none"> • 2 abstracts submitted • 1 U01 submission
Melissa Cunningham, MD, PhD Fellow MUSC, Rheumatology and Immunology	The Role of Estrogen Receptor Alpha in Systemic Lupus Erythematosus: Modulation of the Inflammatory Response in the Brain of Lupus-prone Mice	<ul style="list-style-type: none"> • Project recently initiated

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Salim El-Amouri, PhD Trainee Division of Experimental Hematology and Cancer Biology Cincinnati Children's Research Foundation	Gender Differences, Ischemia, and Nephritis	<ul style="list-style-type: none"> • 1 manuscript in progress • R01 in preparation (Kindy)
William Griffin, PhD Research Assistant Professor MUSC, Psychiatry	The Influence of Food Restriction and Sex on Cocaine-Evoked Increases in Extracellular Dopamine in the Nucleus Accumbens of C57BL6 Mice	<ul style="list-style-type: none"> • 2 conference presentations • 1 journal article
Constance Guille, MD Assistant Professor MUSC, Psychiatry and Behavioral Sciences	Identification of genetic variants in the HPA axis that increase the risk of depression among women under conditions of stress	<ul style="list-style-type: none"> • 1 K award
Frances Koch, MD Assistant Professor MUSC, Pediatrics	Gender Differences in Cerebral Blood Flow and Neuro-Developmental Outcome Following Chorioamnionitis in Infants \geq 37 Weeks' Gestation	<ul style="list-style-type: none"> • 3 conference presentations • 1 manuscript in preparation
Marcelo Lopez, PhD Research Assistant Professor MUSC, Psychiatry	Sex-Related Differences in Ethanol Self-Administration and Reinstatement in C57BL/6J Mice	<ul style="list-style-type: none"> • 1 conference presentation • 3 journal articles • Alcohol Research Center gender-focused project
Michael McCart, PhD Assistant Professor MUSC, Psychiatry	Alcohol, Arousal and Women's Judgments of Acquaintance Victimization	<ul style="list-style-type: none"> • 2 publications • 1 R34 submission • Data collection is ongoing
Megan Moran-Santa Maria, PhD Assistant Professor MUSC, Psychiatry	Exploring Gender Differences in the Stress and Cue Induced Substrates of Drug Craving	<ul style="list-style-type: none"> • 1 conference presentation • K01 submission • K12 Awarded
Kimber Price, PhD Post Doctoral Scholar MUSC, Psychiatry	Sex Differences in Attentional Bias and Cognitive Functioning in Response to Stress in Marijuana-dependent Individuals	<ul style="list-style-type: none"> • 1 conference presentation • K01 submission • R21 submission
Carmela Reichel, PhD Research Assistant Professor MUSC, Department of Neuroscience	Methamphetamine self administration and reinstatement in female rats: Impact of access period and modafinil	<ul style="list-style-type: none"> • 1 conference presentation • 2 journal articles • 1 abstract under review • R21 in preparation • 1 K award

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Kimberlei Richardson, PhD Assistant Professor Howard University College of Medicine, Pharmacology	Sex and Estrous Cycle-Dependent Differences in Morphine Conditioned Place Preference and Its Influence on Orexin Neuronal Activation	<ul style="list-style-type: none"> • 2 conference presentations • 1 travel award • 1 journal article • 1 K01 submitted • 1 R03 in preparation
Xiang-Dang Shi, MD, PhD Assistant Scientist Center for Substance Abuse Research, Temple University	The effect of sex differences on the phosphorylation of phosphoproteins induced by acute cocaine administration in the striatum and nucleus accumbens of rats	<ul style="list-style-type: none"> • 1 journal article
Stefka Spassieva, PhD Staff Scientist, General Internal Medicine / Geriatrics	Possible Role of Deoxy- sphingolipids in Paclitaxel-induced Peripheral Neuropathy in Breast Cancer Patients	<ul style="list-style-type: none"> • Project recently initiated
Eve Spratt, MD Associate Professor MUSC, Pediatrics	Gender Differences in Autism	<ul style="list-style-type: none"> • 2 conference presentations • 2 journal articles
Lynn Veatch, PhD Assistant Professor MUSC, Psychiatry	Impact of Sex and Hormonal Status on Ethanol Withdrawal	<ul style="list-style-type: none"> • 1 conference presentation • 1 journal article • 1 manuscript submission
Angela Waldrop, PhD Assistant Professor UCSF, Psychiatry Staff Psychologist, PTSD Clinical Team, San Francisco VA Medical Center	Gender Differences in Impulsivity	<ul style="list-style-type: none"> • 1 R01 in progress • 1 K award
Jingmei Zhang, MD Assistant Professor MUSC, OB/GYN	N-Acetylcysteine attenuates fetal brain injury and behavioral dysfunction in a localized maternal infection/inflammation cycle	<ul style="list-style-type: none"> • 1 conference presentation • 1 manuscript submission
TOTAL IMPACT: <ul style="list-style-type: none"> • 27 National Presentations • 24 Manuscript submissions or publications • 22 NIH applications submitted and 11 awarded 		