MUSC Psychiatry
Chair Update
October 2014

Thomas W. Uhde, MD
Department of Psychiatry and
Behavioral Sciences & Institute of
Psychiatry
This year’s Jason Pressley Visiting Professor was Dr. Stephen Strakowski with the University of Cincinnati. Dr. Strakowski presented, “An Anterior Limbic Model of Bipolar Disorder” on Friday, October 10th.

The Department of Psychiatry and Behavioral Sciences recognizes Dr. Strakowski for his many contributions to the study and treatment of bipolar disorder. The university is especially grateful to the Pressley family for their ongoing contributions to the Department of Psychiatry and Behavioral Sciences, and their commitment to promote research and educate the medical community and lay public about bipolar illness.
Dr. Sarah Galloway received her M.A. and Ph.D. in clinical psychology from the University of Virginia. She completed her internship in clinical psychology at the Charleston Consortium and during that year was recognized by her internship class with the Laura Griffin Humanitarian Award. Dr. Galloway then completed her postdoctoral fellowship in behavioral medicine at the Medical University of South Carolina specializing in psycho-oncology and adjustment to chronic medical conditions.

She is an Assistant Professor within the Division of Biobehavioral Medicine at MUSC and in 2013, she accepted the role of Chief of Psychosocial-oncology. Since joining faculty, she has helped grow the Division of BioBehavioral Medicine within educational, clinical, and research domains. Broadly, Dr. Galloway’s interests have been centered on the psychosocial aspects of coping with chronic medical conditions, post-traumatic growth, and end of life issues. She has focused on developing integrated psychosocial programming at Hollings Cancer Center, MUSC’s NCI-Designated Cancer Center. Important programmatic changes under her guidance have been the implementation of a cancer center wide distress screening program necessary for American College of Surgeons Commission on Cancer Accreditation and improving models of direct clinical service essential for increasing access to care. In conjunction with the Division of Hematology and Oncology, Dr. Galloway has developed an interdisciplinary didactic series focused on issues of supportive oncology and palliative care. She serves as the co-investigator on several grants focused on substance use, pain, and distress amongst cancer survivors.

Most recently in 2014, she received the award for the best clinical supervisor for adult patients from the Charleston Consortium Psychology Internship Training Program.
Rochelle F. Hanson, Ph.D., is a Professor at the National Crime Victims Research and Treatment Center (NCVC), Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina. She also serves as Director of the NCVC Family and Child Program. She is a Licensed Clinical Psychologist specializing in the treatment of trauma among children, adolescents and adults.

Dr. Hanson's primary research interests focus on dissemination and implementation of evidence-based treatments for children and families who have experienced trauma. She currently serves as Project Director for the Program on Adolescent Traumatic Stress (PATS) a SAMHSA-funded Category II Center that is part of the National Child Traumatic Stress Network. PATS is devoted to developing, disseminating and implementing evidence-based services for adolescents who have experienced trauma, particularly those involved in the juvenile justice and child welfare service systems. Dr. Hanson recently received an NIMH grant to evaluate the effectiveness of the Community-based Learning Collaborative implementation model. The purpose of this program is to promote interprofessional collaboration in order to achieve sustained delivery of evidence-based treatments for children and their families, particularly those involved in the child welfare service sector. Dr. Hanson is a core faculty member of Project BEST, a statewide initiative, funded by the Duke Endowment, whose long-term goal is to ensure that abused/traumatized children in South Carolina receive appropriate, empirically supported mental health assessment and psychosocial treatment services.

Dr. Hanson is a national trainer and certified therapist in Trauma-Focused Cognitive Behavioral Therapy. She conducts trainings in TF-CBT throughout the country and maintains a clinical practice. She was the 2010 recipient of the MUSC Teaching Excellence award as an Educator-Mentor, reflecting her commitment to teaching, educating, and mentoring young professionals as a top priority throughout her career. She recently completed a two-year fellowship with the NIMH Implementation Research Institute (IRI) in affiliation with the Center for Mental Health Services Research, at the George Warren Brown School of Social Work, at Washington University.
Meet Lucy Preyer, MD

Lucy Preyer is a psychiatrist in private practice in West Ashley, and is also a member of the Community Practitioners Advisory Board for the Department of Psychiatry and Behavioral Sciences at MUSC.

Lucy was born and raised in Charlotte, North Carolina, and graduated from the University of the South at Sewanee, Tennessee with a degree in French Literature. She then attended Wake Forest University School of Medicine and completed her residency in Psychiatry at North Carolina Baptist Medical Center in Winston-Salem. After practicing in eastern Oregon, in 1998 she moved to Charleston with her husband who is a retired associate professor of physics at the College of Charleston.

Dr. Preyer is board certified in Psychiatry. Her primary focus is in women’s issues, an interest she learned from her late father, Dr. John Woltz, who was a specialist in ObGyn and infertility.

Lucy and her husband have a cat, Columbo, and she greatly enjoys music, travel, and spending time with family at the family mountain home in North Carolina.
Vickey Cornelison-Grant has been involved in the crime victim field for nearly 30 years. Professionally, Vickey has worked at the National Crime Victims Research and Treatment Center (NCVC) at the Medical University of South Carolina since the beginning of her involvement in the victimization field in 1986. She has served in many capacities at the NCVC over the years including as a research assistant on a variety of projects. She was the Editorial Assistant for the peer reviewed *Journal of Traumatic Stress* which is published by the International Society on Traumatic Stress Studies. Most recently she serves as the Business Manager and Grants and Contracts Coordinator for the NCVC and serves as the Executive Assistant to the Vice Chair for Research and Research Administration, Dr. Dean Kilpatrick. For many years, she served sexual assault victims in her community as a volunteer advocate for People Against Rape (PAR), South Carolina’s first rape crisis center. She is certified by the State of South Carolina as a Victim Service Provider. She has served on PAR’s Board of Directors for five years. For two years, she served on the Board of Directors for the American Society of Victimology. Her knowledge and interest in the field of victimization has been acquired from her personal and professional experiences. She is the 2013 recipient of the Volunteer of the Year Award from Charleston Magazine and the Coastal Community Foundation of South Carolina’s ‘Charleston Gives Back’ event, the 2014 recipient of Zonta International Club of Charleston’s Volunteer of the Year Award, and the first South Carolinian to be awarded the Visionary Voice Award from the National Sexual Violence Resource Center.

**Favorite Food:** Anything with melted cheese!

**Most played song on your iPhone/iPod:** Santana's 'Black Magic Woman'

**Favorite quote:** Illegitimi non carborundum

**One thing you love about Charleston:** I'm originally from the west coast, so I think one of the things I really love about Charleston is its history and charm. It's also a very beautiful city and I like that it's still relatively small.

**One thing people might not know about you:** I'm a 'serial hobbyist'. Right now I'm into soap making. But my longest term hobby is studying couture sewing techniques and I really enjoy fashion sewing. Both of them are old fashioned past times these days!
The Chair’s Research Development Fund (CRDF) will accept proposals to fund pilot studies for junior faculty members to collect preliminary data in support of extramural grant applications. Currently, proposals are being solicited that satisfy one or more of the following requirements:

1. Develop preliminary data necessary to prepare and submit a competitive research grant application to a major federal funding agency or independent foundation.

2. Assist junior faculty with demonstrated potential for and commitment to develop a career in psychiatric or behavioral science research.

3. Assist faculty who collaborate with psychology interns, post-doctoral fellows, or fourth year residents on their projects in a tandem effort to both garner pilot data (for faculty) and foster research potential (in trainees).

4. Special emphasis will be given to increasing participation of members of an under-represented minority group in research.

Awards: The CRDF will make a number of awards each year as determined by available financial resources. Most awards will be in the $5K – 10,000 range. Under exceptional circumstances, applications may be submitted for larger amounts, but permission to do so must be obtained from the Vice Chair for Research and Research Administration. The faculty member’s Division is expected to supplement the CRDF award with salary support for the faculty member for the level of effort needed for the research project.

Eligibility: All awardees must have a primary appointment in the Department of Psychiatry and Behavioral Sciences. Faculty members with faculty ranks of Associate Professor and below can apply for support from the CRDF but preference will be given to faculty members with ranks below the level of Associate Professor.

Submission Deadlines: December 1, 2014 and May 1, 2015

For more information, contact Vickey Cornelison (cornelv@musc.edu) or 843-792-5879
FEMALE MENTORS NEEDED

Star Leadership Saturdays is a program created to confront the inclination of suspension, teen pregnancy, gang violence, and school dropout among vulnerable young ladies. The goal is to provide successful experiences that lead to school achievement, self regulation, and accountability for self.

Burke Middle/High School is looking for female mentors willing to commit to one girl within the program by becoming a mentor.

Mentor’s tasks will consist of:
• weekly contact by phone or at the school
• career exploration
• possible attendance at 2nd and 4th Saturday workshops with mentee
• connecting mentee to resources that will aid self or family

If you are interested and would like to become a mentor for a young girl, please contact Yolanda Young-Riley at Burke Middle/High School.

Yolanda Young Riley
yolanda_young@charleston.k12.sc.us
843-579-4361
There are a number of new groups being offered by faculty/staff in the Department of Psychiatry and Behavioral Sciences:

**Anxiety Group**
This group is designed specifically to educate people about different types of anxiety and cues related to anxiety and to teach specific skills to help reduce anxiety and symptoms.
*When:* Tuesdays, 1:30-3:00pm (1st week begins at 1:00pm)  
*Where:* Institute of Psychiatry, 5 South

**Insomnia Group**
This group is for individuals who have difficulty falling asleep, staying asleep, or those who wake up feeling as though they have not had a good sleep (at least 3 nights per week).
*When:* Fridays, 3:00-4:00pm (1st week is 2:00-3:00pm)  
*Where:* Institute of Psychiatry 5 South

An intake appointment is required for these groups. Please contact 843-792-9162 and request an appointment with the Sleep and Anxiety Treatment and Research Program.

**Anger Management Group**
This group is for those who have trouble expressing their needs when irritated, are scared by their own anger, or who go overboard in their reactions. The group will help individuals understand their reactions, identify their feelings, separate angry feelings from angry behavior, and learn how to express anger.
*When:* 8 weeks, Wednesdays, 12:00-1:00pm (begins 10/22)  
*Where:* Institute of Psychiatry, 5 South

An intake appointment is also required for this group. Please contact 843-792-9162 and request an appointment with the anger management group.
LOWCOUNTRY AUTISM FORUM
Join the Project Rex team at the 2014 Lowcountry Autism Forum
SATURDAY, OCTOBER 4th
8:00am
College of Charleston Sottile Theater

This is a FREE forum for the Charleston autism community. Learn more by visiting the following link:

TOWN ALL
Please join us Monday, October 20, 2014, for our Town ALL from 2-3pm in the IOP auditorium. Dr. Frampton Gwynette will be giving a presentation on the 5 south general psychiatry clinic. Feel free to email your questions that you want addressed prior to the next Town ALL to psychall@musc.edu. If you are unable to join us live, we are now streaming Town ALLs at https://connect.musc.edu/psychiatry.

FACULTY MEETING
The next Faculty meeting will be held on Tuesday, October 21, 2013, from 12-1pm in the IOP auditorium. Dr. Pat Cawley will be giving a brief presentation. All are encouraged to attend.
• Gregg Dwyer was an invited speaker for the Hostage/Crisis Negotiation Team of the South Carolina Law Enforcement Division (SLED), presenting: “Law Enforcement Negotiation and Mental Illness: An Overview.”

• Both Bernice Collins Scott and Anthony Scott received recognition through the Applause Program for going the extra mile.

• Congratulations to the following Faculty Excellence Award Block Winners from the Department of Psychiatry & Behavioral Sciences: **Block 1:** Chris Fields, Jennifer Jones, Callie Lalich, and Mary Ladd. **Block 2:** Kelly Barth, Jessica Broadway, Mary Ladd, and Andrea Maxwell. This is a list of faculty and residents who were nominated by students for their impact in their education. Nominations are not required, so students went the extra mile to recognize these educators!

• Dr. Mark George was referenced by the Brain and Behavior Research Foundation at the White House regarding the President’s BRAIN Initiative.

• Frampton Gwynette was appointed a member of the Autism and Intellectual Disability Committee for the American Academy of Child and Adolescent Psychiatry.

• Gregg Dwyer was an invited faculty member for the 25th annual South Carolina Law Enforcement Assistance Program (SCLEAP) Post Critical Incident Seminar (PCIS). This is a 3-day seminar for law enforcement and other public safety personnel who have experienced traumatic events.

• Lisa McTeague received a travel award to attend the American College of Neuropsychopharmacology (ACNP) meeting.

• Jeffrey Borckardt was selected for a $20M study of veterans and pain, evaluating the efficacy of combining transcranial direct current stimulation with cognitive behavioral therapy for the treatment of pain, opioid use, and related health issues in veterans

• Jeffrey Borckardt and Sudie Back (Co-PIs) received $2.5M from NIDA to evaluate the efficacy of combing cognitive behavioral therapy with transcranial direct current stimulation (tDCS) for the treatment of pain and prescription opioid misuse among Veterans.

• Gregg Dwyer presented Law Enforcement Response to the Mentally Ill: An Overview as an invited speaker in the course entitled *Law Enforcement for the Mentally Ill* at the South Carolina Criminal Justice Academy in Columbia, SC.
EBOLA

By now you have probably heard that MUSC leadership has indicated that the hospital is willing and able to treat patients with Ebola. While our hospital is taking protective measures, the likelihood that MUSC will encounter an Ebola patient is low. Dr. Pat Cawley attended the recent department faculty meeting and indicated that MUSC will not make the same mistakes as the facility in Texas. Our hospital will only be training a select number of providers and will treat any potential Ebola cases with extreme caution.

HUMAN TRAFFICKING CRISIS DOCUMENTARY

Playground is a documentary produced by George Clooney and directed by Libby Spears, recognizing and responding to the crisis of human trafficking of children in the United States and globally. There will be a free special screening of this film on Tuesday, October 21, 5:30-7:30pm in the Storm Eye Auditorium. Child abuse pediatrician, Dr. Sharon Cooper with the University of North Carolina at Chapel Hill, is a nationally recognized expert on human trafficking of children and will be present during this screening. Please consider supporting the cause and the Child Abuse Pediatrics Fellowship program here at MUSC by attending the screening.
NEWLY AWARDED GRANTS

**grant data from July 1-September 30, 2014. Note that these are the dates MUSC was notified of the award, not necessarily the date the project begins.**

- Qanungo IPA: Prolonged Exposure for PTSD Telemedicine vs In-Person—Ron Acerno
- Technological Innovations for the Remote Monitoring of Smoking in Adolescents—Erin McClure
- Technical Assistance on Evidence-Based Treatment to Policy Makers—Sonja Schoenwald
- A Phase II, Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Study to Investigate the Efficacy and Safety of RO4602522 Added to Background AD Therapy—Jessica Broadway
- A Longitudinal Investigation of Glutamate Dysregulation in Early Stage Alcoholics—James Prisciandaro
- MST-BSF Expansion in Connecticut—Cindy Schaeffer
- Treating Co-Occurring PTSD and Substance Abuse in High-Risk Transition Age Youth—Kristyn Zajac
- Testing the Community-Based Learning Collaborative Implementation Model—Rochelle Hanson
- Remediating Emotion Deficits in PTSD: Probing and Modulating Neurocircuits—Lisa McTeague
- Mid-Career Award in Patient-Oriented Drug Abuse Research—Aimee McRae-Clark
- A Randomized Trial of E-cigarettes: Natural Uptake, Patterns and Impact of Use—Matt Carpenter
- Fronto-striatal Connectivity in Tourette Syndrome Patients—Colleen Hanlon
- Preclinical Medications Screening in Dependence Models of Alcoholism—Howard Becker
- MUSC NCORP Minority/Underserved Community Site: Clinical Trials Program—Chanita Hughes-Halbert
- MUSC NCORP Minority/Underserved Community Site: Cancer Care Delivery Research Program—Chanita Hughes-Halbert
- Distress Intolerance on Smoking Lapse among Motivated vs Unmotivated Smokers—Amanda Mathew
- APA/SAMHSA Minority Fellowship Program—Annabelle Simpson
- Longitudinal Study of Functional Connectivity Among Cocaine Users in Treatment—Colleen Hanlon
- Assessing the Bite Counter as a Tool for Food Intake Monitoring: Phase II—Pat O’Neil
- RCT of tDCS-Augmented CBT for Veterans with Pain and Co-Morbid Opiate Misuse—Sudie Back
- RCT of tDCS-Augmented CBT for Veterans with Pain and Co-Morbid Opiate Misuse—Jeff Borckardt
- tDCS Effects on Cognitive Behavioral Therapy and Pain Inhibition—Jeff Borckardt
- Role of Dynorphin and Kappa Opioid Receptors in Stress Effects on Ethanol Dependence
- Related Escalated Drinking—Rachel Anderson
- MST-Psychiatric Teams/Robin Hood Foundation—Melisa Rowland
SELECTED PUBLICATIONS


14th Annual Social Work Conference: Hot Topics in Social Work

Friday, October 24 | 8:00 am - 4:45 pm | Daniel Island Club

Join us for one full day of education and networking as we address the most current issues and hot topics facing social workers today. This year’s conference will be held just outside of Charleston at the Daniel Island Club, a state-of-the-art facility in a beautiful Lowcountry setting. Topics include working with combat veterans, cultural competency, working with LGBT youth and community, and stress inoculation therapy and self-care in social work practice.

The SC Board of Social Work Examiners will approve 7 hours of designated credit.

General Registration: $110 | MUSC Employees & Retirees: $80 | BSW/MSW Students: $30
Fees increase October 1. Fee includes materials, continuing education credit processing, breakfast and lunch.

Questions? Call (843) 792-0175 or e-mail psych-events@musc.edu.
For conference details and to register online, visit musc.edu/psychevents.
FREE 15 Hour Education Course

Does your child or adolescent struggle with behavioral or emotional challenges? Does your child or adolescent have a mental health diagnosis?

(ADHD, Depression, Bipolar, Anxiety Disorders, Autism Spectrum, Obsessive Compulsive Disorder, Oppositional Defiant Disorder, etc...)

Know the facts: Find help and resources; Feel understood and validated; Develop better family communication skills; Learn to work with the systems involved with mental health; Learn the importance of record keeping; Become an advocate; Know the value of self-care!

A free binder with course materials for each participant!
Pre-registration is required. Call Maria Beth Smith at (843) 323-8642
Class size is limited to 15!

When:  Nov 8th-Dec 13th  10:00am-12:30pm
(6 Consecutive Saturday mornings)

Where:  OUR PLACE, MHA of SC
5060 Dorchester Rd. Suite 200
North Charleston, SC 29418
OAK RIDGE PLAZA SHOPPING CTR
(Near Intersection of Dorchester Rd, & Montague Ave.)
Charleston Out of the Darkness Walk
October 19 at Hampton Park

Suicide is the tenth leading cause of death in the country. It is third or fourth for teens and young adults. Suicide claimed 39,518 lives in 2011 in the United States, with someone dying by suicide every 13.3 minutes. A suicide attempt is made every minute of every day, resulting in nearly one million attempts made globally each year. We lose a veteran at the rate of 22 a day. Two hundred people take their lives by suicide every year in Charleston County alone, much less the tri-county area.

When you walk in the American Foundation for Suicide Prevention’s Out of the Darkness Walks, you join efforts with thousands of people nationwide to raise money for AFSP’s vital research and education programs to prevent suicide and save lives. The walks raise awareness about depression and suicide, and provide comfort and assistance to those who have lost someone to suicide.

There are several MUSC teams participating. These include MUSC Psychiatry, MUSC School of Nursing, MUSC Residents and Fellows, CVC Dream Team and Erin’s Team. Join one of them today, and make a stand against suicide. Register today at afsp.org/sc.

SUICIDE CAN BE PREVENTED. YOU CAN HELP. JOIN THE MOVEMENT.
October 10:  
7th Annual Jason Pressley Visiting Professorship  
“An Anterior Limbic Model of Bipolar Disorder”  
Stephen M. Strakowski, MD  
Senior Vice President, Strategy & Transformation, UC Health  
Professor of Psychiatry & Behavioral Neuroscience, Psychology, and Biomedical Engineering  
University of Cincinnati

October 17:  
“Alcohol’s Effect on the Adolescent Brain”  
Lindsay Squeglia, PhD  
Assistant Professor, Psychiatry & Behavioral Sciences  
Medical University of South Carolina

October 24:  
“The Use of Transcranial Magnetic Stimulation for Antenatal Depression”  
Deborah Kim, MD  
Assistant Professor of Psychiatry  
Perelman School of Medicine and the University of Pennsylvania

October 31:  
Clinical Case Conference  
Session open to MUSC faculty, staff, and trainees only  
** Case conferences are not recorded

November 7:  
“Beyond the Device: Comprehensive Care of ICD Patients”  
Samuel F. Sears, PhD  
Professor, Psychology and Cardiovascular Sciences  
East Carolina University

November 14:  
“Sex Offenders Can’t be Cured: Is It Time to Shift the Paradigm?”  
J. Paul Fedoroff, MD, FRCPC, DABPN  
Director, Sexual Behaviors Clinic, The Royal Mental Health Care Centre  
Professor of Psychiatry and Head, Forensic Psychiatry  
University of Ottawa  
** This presentation will not be recorded.

November 21:  
“Role of Hypocretin (Orexin) in Narcolepsy, Parkinson’s and Normal Behavior”  
Jerry Siegel, PhD  
Professor of Psychiatry and Biobehavioral Sciences  
UCLA Center for Sleep Research  
VA GLAHS
Concurrent Treatment of PTSD and Substance Use Disorders Using Prolonged Exposure (COPE) is a cognitive-behavioral psychotherapy program designed for patients who have posttraumatic stress disorder (PTSD) and a co-occurring alcohol or drug use disorder. COPE represents an integration of two evidence-based treatments: Prolonged Exposure (PE) therapy for PTSD and Relapse Prevention for substance use disorders.

COPE is an integrated treatment, meaning that both the PTSD and substance use disorder are addressed concurrently in therapy by the same clinician, and patients can experience substantial reductions in both PTSD symptoms and substance use severity. Patients use the COPE Patient Workbook while their clinician uses the Therapist Guide to deliver treatment. The program is comprised of 12 individual, 60 to 90 minute therapy sessions. The program includes several components: information about how PTSD symptoms and substance use interact with one another; information about the most common reactions to trauma; techniques to help the patient manage cravings and thoughts about using alcohol or drugs; coping skills to help the patient prevent relapse to substances; a breathing retraining relaxation exercise; and in vivo (real life) and imaginal exposures to target the patient's PTSD symptoms.

More information about the book can be found at www.oup.com/us, Amazon.com, or your local bookstore.
ONGOING STUDIES

A Randomized Controlled Trial of Varenicline for Adolescent Smoking Cessation
This is a 12-week trial of varenicline versus placebo, added to smoking cessation counseling, for smokers ages 14-21.
Phone 843-792-4097, e-mail smokingstudy@musc.edu

Gender, Hormones, and Stress-Related Smoking
This project is designed to examine relationships between gender, reproductive hormones, and smoking behaviors in the laboratory and natural environment.
Phone 843-792-4097, e-mail smokingstudy@musc.edu

ACCENT: Achieving Cannabis Cessation—Evaluating N-Acetylcyesteine Treatment
This is a 12-week multisite trial of N-acetylcysteine versus placebo, added to contingency management, for cannabis-dependent adults ages 18-50. (MUSC is leading the study but is not among the enrollment sites)
Phone 843-792-8894, e-mail accent@musc.edu

Group Motivational Interviewing (GMI) For Homeless Veterans In VA Services
The proposed study will investigate the effectiveness, implementation process, and cost estimate of Group Motivational Interviewing (GMI) for Veterans with SUDs receiving VA housing services. Outcomes will be assessed at multiple time points using a multi-modal approach. The ultimate goal of this research is to establish the basis of a GMI dissemination and implementation course of action for highly vulnerable homeless Veterans in VA housing for achieving their greatest success in attaining housing stability.
Contact: Elizabeth J. Santa Ana, Ph.D., 843-789-7168

Oxytocin in Cocaine Dependence
This is a non-treatment study investigating the effect of oxytocin on stress response and brain activity in response to cocaine cues. Participation involves 6 outpatient visits, including 2 fMRI scans. Cocaine dependent individuals between 18 and 65 years old may be eligible to participate.
Contact: Lisa Nunn, 843-792-0476

Exploring Sex Differences in the Neural Correlates of PTSD: Impact of Oxytocin
This is a non-treatment study investigating gender differences in the effect of oxytocin on neural circuitry related to PTSD. Participation involves 3 outpatient visits, including 2 fMRI scans. Individuals between 18 and 50 years old who experienced traumatic or stressful events in childhood may be eligible to participate.
Contact: Todd LeMatty, 843-792-8179
**The Effects of Oxytocin on Couples’ Conflict-Resolution Interactions**

The aim of this study is to examine the extent to which oxytocin improves conflict resolution skills and mitigates craving and subjective, physiological, and neuroendocrine reactivity in response to dyadic conflict among couples with substance use problems. Couples will complete a psychosocial assessment and two 10-minute videotaped conflict resolution tasks. Using a double-blind design, both partners within each couple will be randomly assigned to receive either intranasal oxytocin or saline spray. We examine measures of change in each partner’s conflict resolution skills, craving, and subjective, physiological, and neuroendocrine responses to the conflict resolution tasks.

Contact: Dr. Julianne Flanagan, 843-792-5569

**Integrated Treatment of OEF/OIF Veterans with PTSD and Substance Use Disorders**

In comparison to the general population, U.S. military and Veterans are at an increased risk for developing both substance use disorders (SUD) and Post Traumatic Stress Disorder (PTSD). Current research has shown that there is a high comorbidity of SUD and PTSD, and although there are a number of treatments for SUD and PTSD independently, there are very few effective methods to simultaneously treat both disorders. Because of this substantial gap in the treatment of both SUDs and PTSD, it has become essential to develop a combined treatment that would address and treat both disorders. Individuals, specifically U.S. military and Veterans, with SUD/PTSD have unique needs that require a specialized treatment approach. This designed approach would employ cognitive-behavioral therapy (CBT) to treat the SUD, in conjunction with Prolonged Exposure therapy to treat the PTSD. Prolonged Exposure (PE) is an empirically supported and evidence-based treatment that is currently regarded as the "gold standard" psychosocial treatment for PTSD. In combination with CBT, this treatment would address both disorders in hopes of reducing substance use and PTSD symptomatology.

Contact: Frank Beylotte  843-792-2522 beylott@musc.edu

**Laboratory Study of the Influence of Oral Cannabidiol on the Subjective, Reinforcing and Cardiovascular Effects of Smoked Marijuana**

Cannabidiol (CBD) is an antagonist at the CB-1 and CB-2 receptors. Pre-clinical work indicates that CBD blocks the actions of tetrahydrocannabinol (THC) and therefore may be an oral candidate for the treatment of marijuana dependence. This Phase 1 human laboratory study seeks to determine the ability of CBD to diminish marijuana smoking and establish further safety information. Subjects will be given oral CBD or placebo to see if marijuana smoking is reduced in a laboratory setting.

Contact: Melissa Michel  843-792-1901
**A Pharmacokinetic Comparison of Immediate Release N-Acetylcysteine With extended Release N-Acetylcysteine In Healthy Adults**

The specific aim of this research plan is to confirm in human volunteers that the pharmacokinetic characteristics of NAC following administration of the new oral extended release formulation will support once daily dosing in clinical trials involving patient populations. This proposal is to conduct a relative bioavailability study to compare plasma drug concentrations of NAC following a standard immediate release formulation of four 600 mg tablets (single 2400 mg dose) with concentrations from a single administration of six 400 mg dosage forms (2400 mg dose) of the test formulation. Each subject will serve as his/her own control and receive both formulations. The immediate release formulation will always precede the new experimental formulation.

Contact: Melissa Michel 843-792-1901

**N-acetylcysteine for Relapse Prevention to Cocaine Use**

The purpose of the study is to assess the safety and efficacy of extended release N-Acetylcysteine (NAC) in preventing relapse to cocaine use. Subjects must be abstinent from cocaine use prior to entering into the study. The study has two working hypotheses. First, NAC will decrease relapse to cocaine use, based on multiple time-to-event measures of relapse in a group of cocaine-dependent individuals with at least 7 days of confirmed abstinence from cocaine before medication initiation. Second, the NAC group will show sustained efficacy over placebo in the 4-week follow-up period after medication is discontinued. The rationale for investigating the efficacy of NAC in the treatment of cocaine addiction was initially based on animal data that pointed to perturbations of glutamatergic brain circuitry after chronic operant exposure to cocaine. NAC ameliorated glutamatergic deficits and inhibited cocaine and cue induced reinstatement of cocaine seeking behaviors. Recent preclinical work strongly suggests that NAC will be most effective as a relapse prevention agent after a brief period of abstinence from cocaine.

Contact: Melissa Michel 843-792-1901

**Vitamin D and Type 2 Diabetes Study (D2d)**

The goal of the Vitamin D and type 2 diabetes (D2d) study is to determine if vitamin D supplementation works to delay the onset of type 2 diabetes in people at risk for the disease and to gain a better understanding of how vitamin D affects glucose (sugar) metabolism. Researchers at twenty US sites will enroll people with pre-diabetes (people who have higher than normal blood glucose level but not high enough to meet the diagnosis of diabetes). The study will enroll participants over approximately 2 years and participants will be followed for approximately 4 years. Participants will receive either Vitamin D or a placebo by chance. Participants will take 1 pill a day for the duration of the study. Participants will visit the study site for up to 13 scheduled visits during their participation.

Contact: Suzanne Kuker 843-792-5427
**ONGOING STUDIES**

*Genetic and Brain Mechanisms of Naltrexone’s Treatment Efficacy for Alcoholism*
This treatment study is an 16-weeks outpatient clinical trial where subjects will get medication, which might help them to reduce or stop their drinking or a placebo (placebo is a capsule that looks the same as the investigational drug, but has no real medication. It is a “sugar pill”). This study will recruit and randomize subjects who have expressed an interest in receiving treatment for alcohol dependence. Upon enrollment into this study there will be 11 outpatient visits. Each visit will last about 1-1.5 hours.
Contact: Konstantin Voronin  843-792-2727

*Impulsivity and Drinking/Craving: Effect of a Dopamine Stabilizer Medication*
MUSC Center For Drug And Alcohol Programs is conducting an alcohol research study investigating the effects of a medication in response to alcohol. Individuals (ages 21-40) who complete the study will be paid for their participation. This study does not involve alcohol treatment.
Contact: Mark 843-792-1222.

*Sleep Research Data Repository (SRDR)*
The aim of this study is to develop a data warehouse of biological and psychological information related to sleep and sleep disorders. Data being collected include sleep physiological measurements and the results of interviews, questionnaires, and laboratory tests obtained from both healthy subjects and patients with psychiatric and medical conditions, focusing primarily on narcolepsy with cataplexy, recurrent isolated sleep paralysis, and sleep panic. SRDR data will be made available to current and future IRB-approved investigators who wish to investigate sleep across a large spectrum of medical conditions.
Contact: Kim Leslie 843-792-0403

*Enhancing Disrupted Reconsolidation: Impact on Cocaine Craving, Reactivity & Use*
The purpose of this double-blind, placebo-controlled study is to examine whether beta-adrenergic antagonist propranolol can attenuate cocaine-associated memories and thereby reduce cocaine craving, cue reactivity, and use in cocaine dependent participants. Participants will receive either placebo, 40mg, or 80mg of propranolol after each of two laboratory sessions of cocaine cue exposure. Participants will be evaluated on cocaine craving, physiological reactivity to cocaine cues, and cocaine use in follow-up sessions for 6 weeks.
Contact: Amanda Smith 843-792-6984
Reducing Smoking Cue Reactivity and Behavior via Retrieval-Extinction Mechanism
This study will examine the effects of a brief behavioral intervention, retrieval-extinction training, on the cue reactivity and smoking behavior of nicotine dependent participants making a quit attempt. All participants will receive two laboratory-based ‘extinction’ sessions that involve protracted exposure to multiple sequences of smoking cues. Half of the participants will be shown a video containing smoking content prior to extinction and the other half will be shown a video with no smoking content. The smoking video combined with extinction is postulated to alter memories for learning that support smoking cue reactivity and behavior. Therefore, participants shown the smoking video prior to the extinction are expected to exhibit reduced craving and smoking behavior at post-treatment follow-up time points (i.e., 24 hours, 2 weeks, and 4 weeks).
Contact: Amanda Smith 843-792-6984

Transcranial Magnetic Stimulation (TMS) for Nicotine Smoking Cessation
TMS administered over the prefrontal cortex in an effort to produce a reduction in nicotine cravings
Contact: Jkeonye Moss 843-876-5141

TMS in Conjunction with Mood Stabilizers for Bipolar Depression Subjects
TMS stimulation is deeper in the brain to target neuronal pathways while participants continue moods stabilizer medication
Contact: Jkeonye Moss 843-876-5141

TMS in Depressed Adolescents
Noninvasive TMS using magnetic fields to stimulate brain nerve cells affection depression & mood
Contact: Jkeonye Moss 843-876-5141

Focal Electrically-Administered Seizure Therapy (FEAST) - Unilateral ECT for Depression
Focalized seizure induced to prefrontal cortex with similar efficacy to traditional ECT
Contact: Will DeVries 843-876-5141

TMS for treatment of Burning Mouth Syndrome (BMS)
TMS will be used to interrupt chronic pain associated with burning mouth syndrome
Contact: Jkeonye Moss 843-876-5141

Integrative Risk Reduction and Treatment for Teen Substance Use Problems and PTSD (RRFT)
The National Crime Victims Center is offering a therapeutic research program for adolescent victims of sexual abuse/assault that may also use alcohol or other substances to help them cope. Teens and caregivers are matched with a clinician to receive weekly trauma-specific treatment. Compensation is available for time devoted to ongoing research assessments. Therapy: Individual and group trauma-focused treatment options; average length of treatment is 3-4 months. Age Requirements: 13-18
Contact: Liz McGuan 843-792-8361 or mcguan@musc.edu
**Better Resiliency Among Veterans with Omega-3s (BRAVO)**
The BRAVO study is investigating whether supplementation with omega-3 fatty acids will reduce the risk for medically serious suicidal behaviors, depression, PTSD, and substance abuse in a Veteran population. Volunteers who take part in this study would drink smoothies high in Omega-3 HUFA's three times per day for 6 months. They continue current mental health care and are also seen and evaluated by the BRAVO study 6 times over the 6 month period.
Contact the BRAVO referral line at 888-322-6884 or email: BRAVO@musc.edu

**Clinical research for burning mouth syndrome treatment using transcranial magnetic stimulation.**
Burning mouth syndrome (BMS) is a persistent burning sensation in the mouth without abnormal organic findings. The Brain stimulation lab is now conducting a clinical study of the treatment for BMS using transcranial magnetic stimulation (TMS). BMS is a persistent burning sensation in the mouth without abnormal organic findings. The most affected area is the tongue (tip and lateral borders), with pain often felt in several locations. The oral burning sensation usually increases progressively during the day, reaching a maximum intensity at the end of the afternoon, but patients do not find it difficult to get to sleep. Nearly 60% of patients with BMS complain about the sensation of dry mouth or taste disturbance (bitter/metallic taste). In the literature, 1.3 million Americans may be suffering from this condition, although most people have never heard of it. Though the pathophysiology of BMS has not been fully elucidated, recent studies indicate that BMS is caused by some kind of dysfunction in the central nervous system and may be a variant of a pain disorder, or a form of somatic depression, like fibromyalgia, or something else entirely. It is very common in Japan. Treatment is not fully established, but transcranial magnetic stimulation (TMS) could be a new treatment. TMS is a non-invasive brain stimulation technology that can stimulate the cortex focally and painlessly by creating a time-varying magnetic field. The Brain Stimulation lab, Institute of Psychiatry is conducting a clinical study of treatment for BMS using TMS. If you have burning sensation in the mouth and might be interested in the treatment using TMS, please contact us. If you have friends or family who have this problem, please help us spread the word.
Contact Yoji at umezaki@musc.edu or 843-876-5142.