MUSC Psychiatry Chair Update
July 2016

Thomas W. Uhde, MD
Department of Psychiatry and Behavioral Sciences & Institute of Psychiatry
I am pleased to announce that Dr. Suzanne Thomas will serve as Chair of the Department's Promotion and Tenure Committee beginning August 1, 2016. Dr. Thomas is a tenured professor with a longstanding commitment to faculty development and advancement. In addition to her years of service on the department's promotions and tenure committee, she is the Director of the university's Office of Institutional Effectiveness, reporting to the Provost, and she is a member of the enterprise-wide Strategic Advisory Council (the senior leadership team charged with guiding the implementation of the strategic plan, Imagine MUSC 2020). She is well known for helping the university and the department engage in data-driven decision making and planning. Her institutional perspective and reputation for fairness make her an excellent choice to lead this important committee. Please welcome Dr. Thomas to this important leadership position.
LEADERSHIP ROLES

What is sometimes not fully appreciated is the range and depth of contributions provided by our faculty throughout the University. Below please find a partial listing of our faculty members’ leadership roles.

**ASSOCIATE DEANS/PROVOST**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Jacqueline McGinty, PhD</td>
<td>Associate Dean, College of Graduate Studies</td>
</tr>
<tr>
<td>Bob Malcolm, MD</td>
<td>Associate Dean for CME, College of Medicine</td>
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<tr>
<td>Daniel Smith, PhD</td>
<td>Associate Dean for Faculty Affairs &amp; Faculty Development, College of Medicine</td>
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<tr>
<td>Michael deArellano, PhD</td>
<td>Associate Dean for Diversity, College of Medicine</td>
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<tr>
<td>Darlene Shaw, PhD</td>
<td>Associate Provost for Educational Affairs and Student Life</td>
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<tr>
<td>Jeff Borckardt, PhD</td>
<td>Assistant Provost and Director of the Office of Interprofessional Initiatives</td>
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<tr>
<td>Kathleen Brady, MD, PhD</td>
<td>Vice President for Research</td>
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**UNIVERSITY-WIDE LEADERSHIP POSITIONS**

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Alyssa Rheingold, PhD</td>
<td>Chair, University Behavioral Support and Intervention Team Theme Director</td>
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<tr>
<td>Sharlene Wedin, PsyD, ABPP</td>
<td>Faculty Representative from College of Dental Medicine on MUSC Behavioral Support and Intervention Team (BSIT)</td>
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<td>Susan Sonne, PharmD, BCPP</td>
<td>Chair, MUSC IRB II</td>
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<tr>
<td>Jacqueline McGinty, PhD</td>
<td>Director, MUSC Neuroscience Institute</td>
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<tr>
<td>Kevin Gray, MD</td>
<td>Chair, MUSC Medical Center Credentials Committee</td>
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<tr>
<td>Sarah Book, MD, MSCR</td>
<td>Chair, University Conflict of Interest Committee</td>
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<tr>
<td>Mark Hamner, MD</td>
<td>Chair, MUSC IRB</td>
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<tr>
<td>Mike Sweat, PhD</td>
<td>Director, MUSC Center for Global Initiatives</td>
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<tr>
<td>Aimee McRae-Clark, PharmD, BCPP</td>
<td>Director, Office of Research Integrity</td>
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<tr>
<td>Daniel Smith, PhD</td>
<td>Associate Director, Office of Gender Equity</td>
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<tr>
<td>Ray Anton, MD</td>
<td>Internal Advisory Board of the Center for Genomic Medicine</td>
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<tr>
<td>Erin McClure, PhD</td>
<td>Co-Chair of the Career Development Program through the Women’s Scholars Initiative for the Advancement, Recruitment, and Retention of Women (WSI-ARROW)</td>
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<tr>
<td>Baron Short, MD, MSCR</td>
<td>Chair, Health Information Management Committee</td>
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<tr>
<td>Ken Ruggiero, PhD</td>
<td>Co-Director of the Technology Applications Center for Healthful Lifestyles</td>
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<td>Connie Best, PhD</td>
<td>Director, MUSC Office of Gender Equity</td>
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<tr>
<td>Royce Sampson, MSN, RN</td>
<td>Chief Operations Officer, SCTR</td>
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<td>Finance Director, Office for the Vice President of Research (OVPR)</td>
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<td>Tom Brouette, MD</td>
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<td>Janice Hazy, MSN, RN-BC</td>
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<td>Connie Guille, MD, MSCR</td>
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<td>Benjamin Toll, PhD</td>
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<td>Dan Gros, PhD</td>
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<td>Elliott Levy, MD</td>
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<td>Kathryn Bottonari, PhD</td>
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DEPARTMENTAL COUNCIL

From time to time, it is useful to highlight the membership of the Departmental Council, which is composed of the department’s scientific, educational, and clinical leadership. Please take a moment to thank these individuals for their ongoing contributions.

Departmental Council Members:

**Administrative Leadership Committee**

**Tom Uhde**
Chair

**Jeff Cluver**
Deputy Chair
Vice Chair, Education and Training
Vice Chair, Outreach
Director, Psychiatry Hospitalist Division

**Diana Mullis**
Vice Chair, Clinical Operations

**Dean Kilpatrick**
Vice Chair, Research and Research Administration
Director, National Crime Victims Research and Treatment Center

**Hugh Myrick**
Vice Chair VA Psychiatry Operations
Director, Addiction Sciences Division
Director, Military Sciences Division

**Mike McGinnis**
Vice Chair, Finance and Business Administration

**Steve Rublee**
ICCE Administrator, Mental Health

Jeff Borckardt: Director, BioBehavioral Medicine Division
Lindsay DeVane: Director, Brain Research and Integrative Neuropsychopharmacology Division
Gregg Dwyer: Director, Community and Public Safety Psychiatry Division
Mark George: Director, Brain Stimulation Laboratory
Kevin Gray: Director, Child and Adolescent Psychiatry Division
Pat O’Neil: Director, Weight Management Center
Mike Sweat: Director, Global and Community Health Division
Mike Cummings: Director, Tobacco Policy and Control Program
Howard Becker: Director, Alcohol Research Center
Jeni Bowers-Palmer: Director, Employee Assistance Program
Connie Guille: Director, Women’s Reproductive Biobehavioral Health
Michael deArellano: Director, Mental Health Disparities and Diversity
Kelly Holes-Lewis: Director, Executive Wellness Program
Layton McCurdy: Faculty Mentorship Committee
Kirk Meekins: Comprehensive Psychiatric Care Specialists
Melissa Milanak: Director, Development and Alumni Relations
Suzanne Thomas: Chair, Promotion and Tenure Committee
TOWN ALL

We are excited to announce the return of Mental Health ICCE/Department of Psychiatry TOWN ALLs.

The intended audience for Town Alls is EVERYONE! Trainees, Faculty, Staff, Hospital Employees...Everyone!

- The timing of these meetings has been changed based on feedback that we have received.
- The Town Alls will be hosted by Dr. Jeffrey Cluver, Deputy Chair of the Department and Chief of the Mental Health ICCE.
- Town Alls will take place every month, on the second Monday at noon, in the IOP auditorium.
- All Town Alls will be a forum for open discussion and Q&A about issues related to the Department, the MH ICCE, and all related operations across the university and medical center.
- Key members of the clinical and department leadership team will be on hand to field questions and provide updates.
- There will also be featured speakers/presentations scheduled throughout the year, and reminders will be sent in advance of the monthly meetings.

The next Town All will be held on Monday, July 11 at Noon, in the IOP Auditorium.

PROMOTION PACKETS

For anyone who is requesting promotion effective July 1, 2017, all promotion requests must be received in the Chairman’s office no later than August 3, 2016, in the form of complete packets accompanied by a letter of recommendation from your Division Director. Packets with checklists, requests for materials, and forms specific for regular and modified faculty have been developed to make the submission process more straightforward. Packets are available on the College of Medicine’s website. Follow this link: http://academicdepartments.musc.edu/com/faculty/apt/musc/index.html. The letter of recommendation from your Division Director must follow appendix 2 in the COM APT guidelines. Division Director letters should include the following paragraphs: introductory, education, research if applicable, scholarly publications, clinical practice if applicable, administration, and other activities and accomplishments. If you have any questions, please contact Kristen Mulholland mulhollk@musc.edu.
• Dr. Kevin Gray was appointed to the American Psychiatric Association Workgroup on Tobacco Use Disorder as well as the National Drug Abuse Clinical Trials Network Cannabis Research Task Force.

• Dr. Kevin Gray was appointed to the American Academy of Child and Adolescent Psychiatry Jeanne Spurlock Minority Medical Student Research Fellowship in Substance Abuse and Addiction Selection Committee.

• Dr. Chanita Hughes-Halbert and colleagues received the notice of award for their U54 to establish the MUSC Transdisciplinary Collaborative Center in Precision Medicine and Minority Men’s Health. The start date was July 8, 2016.

• Dr. Kevin Gray is serving as a standing member of the Interventions to Prevent and Treat Addictions Study Section, Center for Scientific Review, National Institutes of Health.

• Dr. Rochelle Hanson was nominated for the position of DIS SIG Senior Advisor. The “DIS-SIG” is the Dissemination Implementation Special Interest Group for the Association for Behavioral and Cognitive Therapies (ABCT). A Senior Advisor provides supervision and guidance to Leader on SIG-related initiatives. Only persons with an established history of research, teaching, and/or clinical service may be considered for this position.

• Dr. Pat O’Neil was mentioned in a US News Health Care article that focused on obesity. http://health.usnews.com/health-news/patient-advice/articles/2016-07-14/should-you-undergo-a-mental-health-evaluation-for-obesity?int=a14709

• Dr. Kevin Gray was appointed to the Board of Directors of the American Academy of Addiction Psychiatry as Chair of the Research Committee.
FACULTY MEETINGS

All faculty members are expected to attend Faculty Meetings. Faculty Meetings are held quarterly from 12-1pm in the IOP Auditorium. Attendees are eligible to win $1,000 incentive to be used for dues, subscriptions, memberships in professional societies, educational purposes, etc.

REMAINING 2016 FACULTY MEETING DATES:
July 19, 2016 (Dr. Pat Cawley presenting)
October 18, 2016

PRESENTATIONS


Dr. Kevin Gray was selected to present as part of the Advanced Psychopharmacology Institute at the American Academy of Child and Adolescent Psychiatry 2016 Annual Meeting, New York, New York in October 2016.

SELECTED PUBLICATIONS


Ritchwood TD, DeCoster J, Metzger IW, Bolland JM, Danielson CK. Does it really matter which drug you choose? An examination of the influence of type of drug on type of risky sexual behavior. Addict Behav. 2016 Apr 9;60:97-102.


CHILDREN’S DAY NORTH PROGRAM UPDATE

Our clients are spending the summer having some fun visiting Chuckie Cheese, Bowling, and Colonial Lake; gardening at the MUSC Urban Farm; and seeing 3-D movies. They had one special trip to the Boeing Dream Learners program. Trainings attended by our staff:

• Lynn Morton Epps attended “Evidence Based Approaches to Grief and Bereavement.”
• Lynn and Rebecca Daffron attended the MUSC Spring Social Work Conference in May.

CHILDREN’S DAY TREATMENT UPDATE

STAR Michigan CDT continues to add new patients. Since May 1st 5 new patients have started the program, and 9 have successfully graduated. We have recently formed a Shared Governance Committee consisting of the following staff members: Deborah Bauer, Sherman Olsen, Cindy Plutro, Shavonna Simmons, Tracy Burgess, and Jonathan Ward. This committee will work on identifying issues within the program that can be improved and then making the necessary recommendations. The staff has worked very hard at providing excellent care to our patients and their families, and the most recent survey scores have reflected this. The scores have increased from 88.2% in February to 92.2% in March and most recently to 96.1% for June. We are also in the process of hiring a new Pool Social Worker. There are several excellent applicants, and we hope to have the process completed within the next few weeks. The STAR program was approved to receive a YES program Family Fund grant to continue development of their on-site garden in conjunction with Carmen Ketron of the MUSC Urban Farm. The grant will allow the program to conduct monthly gardening activities for the next year at the STAR North facility.
We Need Your Neuroscience Research Accomplishments for the 2016 MUSC Neuroscience Institute Annual Report!

To: Department of Psychiatry and Behavioral Sciences Neurosciences Researchers

From: Dean G. Kilpatrick Ph.D
Vice Chair for Research

As you probably know, the MUSC Neuroscience Institute is a “virtual institute” that does not reside in a single department but attempts instead to facilitate interdisciplinary collaborations among basic science and clinical science neuroscientist from several departments, not the least of which is the Department of Psychiatry and Behavioral Sciences. The boundaries of what constitutes neurosciences research are hard to define precisely, but a rough definition would be any basic or clinical research that focuses on how the brain or other parts of the nervous system are related to behavior including mental disorder phenotypes. Neuroscience researchers from the Department of Psychiatry and Behavioral Sciences are major players in the Neuroscience Institute, and Dr. Uhde has asked me to pull together some information about neuroscience research accomplishments/activities that neuroscience researchers from our department have made during the last fiscal year. These will be compiled and synthesized in the 2016 Neuroscience Institute Annual Report.

I would appreciate it if you would take a few minutes to write a paragraph or so summarizing your neuroscience research activities and accomplishments during the past year. In addition, it would be helpful if you would provide a bibliography of relevant neuroscience research publications as well as any honors, new or competing renewal grants, or any other things of note that you did last year! Please send your summary electronically to Vickey Cornelison (cornelv@musc.edu) on or before July 12, 2016. Thank you for your cooperation!
BREAKFAST WITH THE CHAIR

I have implemented monthly breakfast meetings. These meetings are intended to have an open-ended discussion with the Chair regarding education/training, clinical service, and/or research opportunities and future strategic plans. Available dates in 2016 include: September 13, October 11, and November 15. Breakfast meetings will be held from 8:30am-9:30am in the Chairman’s conference room and are open to a maximum of 12 faculty members. Interested faculty members should contact Kristen Mulholland (mulhollk@musc.edu) to sign up for a breakfast meeting.

PRESENTATIONS


NEW HIRES

New Hires—Institute of Psychiatry:
Margarita Konikova
Susan Brown
Jon Sorrenson
Kelsey Cousin
Candra Randolph-Campbell
Shaida Blackmon
Charlotte Cortright
Deanna Desire
REVISIONS UPDATE

ReVisions’ census has continued to climb throughout April & May, and we recently reached our all-time enrollment high of 30 patients! This has resulted in increased billable services and thus increased revenue, which is always a good thing. Our growing census has also allowed us to hire a new full-time social worker—please welcome Shay Blackmon to our staff. Shay has been doing PRN work for us for some time, and we are excited that she has accepted this permanent position. Other new members of our staff are Dorothy Blechschmidt, RN and Tammy Badger, PARR. Dorothy has worked PRN for our program for a couple of years and joined us full-time earlier this month. Tammy came to us from another area in the hospital and began working with us in mid-April. They have already proven to be valuable assets to our program, and we are delighted to have these awesome women on our team!

Congratulations are in order for our PRN social worker Emily Johnson. She passed her recent clinical exam and is now an LISW-CP. Way to go, Emily!

Congratulations also go to Shay Blackmon, who was married on June 17th. May she and Joe have a wonderful life together!

ReVisions group members have been enjoying seasonal veggies fresh off the vine. Some of our members have created a garden in the courtyard and have already harvested several cucumbers and yellow squash. We haven’t had homegrown tomatoes yet, but there are some little ones on the plant. In addition to veggies, we have a variety of flowers in our garden to add color and beauty. Much of this garden has been grown from seed, and it is totally maintained by ReVisions group members.

Those interested in ReVisions can find us on the internet at www.muschealth.org/psychiatry and on Facebook at www.facebook.com/MUSCReVisions. We invite you to “like” us on Facebook. For more information or to make a referral, call Cheryl at 843-792-1530.
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<thead>
<tr>
<th>NAME</th>
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<tbody>
<tr>
<td>Zachary Adams</td>
<td>Non-Competing Continuation</td>
<td>M-Health Tools to Enhance Treatment of Teen Substance Abuse and Mental Illness</td>
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<tr>
<td>Raymond Anton</td>
<td>Non-Competing Continuation</td>
<td>Career Development and Mentoring in Clinical/Translational Alcohol Research</td>
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<tr>
<td>Sudie Back</td>
<td>New</td>
<td>Glial Regulators for Treating Comorbid Posttraumatic Stress Disorder and Substance Use Disorders</td>
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<td>Kathleen Brady</td>
<td>Non-Competing Continuation</td>
<td>The Southern Consortium Node of the Clinical Trials Network</td>
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<tr>
<td>Matthew Carpenter</td>
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<td>The Southern Consortium Node of the Clinical Trials Network</td>
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<td>Matthew Carpenter</td>
<td>Non-Competing Continuation</td>
<td>Brief, Novel Smoking Cessation in Primary Care: A Comparative Effectiveness Trial</td>
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<tr>
<td>Matthew Carpenter</td>
<td>New</td>
<td>Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms</td>
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<td>K. Michael Cummings</td>
<td>Non-Competing Continuation</td>
<td>Building Evidence for Effective and Sustainable Cigarette Warning Label Policy</td>
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<td>C. Lindsay Devane</td>
<td>Non-Competing Continuation</td>
<td>Gestational Age Variation in Human Placental Transport Mechanisms</td>
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<td>Julianne Flanagan</td>
<td>New</td>
<td>Effects of Oxytocin on Alcohol Craving and Intimate Partner Aggression</td>
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<td>Mark George</td>
<td>Non-Competing Continuation</td>
<td>Trans-Cranial Direct Current Stimulation to Treat Aphasia: Phase II Trial</td>
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<td>Kevin Gray</td>
<td>Non-Competing Continuation</td>
<td>A Randomized Controlled Trial of Varenicline for Adolescent Smoking Cessation</td>
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<td>Colleen Hanlon</td>
<td>New</td>
<td>Impact of vMPFC Brain Stimulation on Outcomes in Treatment-Engaged Cocaine Users</td>
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<td>Dean Kilpatrick</td>
<td>New</td>
<td>Responding to the Aftermath of the Mother Emanuel AME Massacre</td>
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<td>Meng Liu</td>
<td>Non-Competing Continuation</td>
<td>Hypocretin and Its Receptors Gene Transfer for Narcolepsy</td>
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<td>Robert Malcolm</td>
<td>New</td>
<td>An open label long-term extension safety study of intranasal esketamine in treatment resistant depression</td>
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<td>Patrick O’Neil</td>
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<td>Pathways Linking Vitamin D and Transition to Diabetes (Per-participant Reimbursement Portion)</td>
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<td>Peter Shiromani</td>
<td>Non-Competing Continuation</td>
<td>Sleep Neurobiology and Circuitry</td>
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<td>Michael Sweat</td>
<td>Non-Competing Continuation</td>
<td>Dyadic-based Diagnosis, Care, &amp; Prevention for HIV Discordant Couples in Tanzania</td>
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<td>Cynthia Swenson</td>
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<td>Testing an Ecological Model for Intimate Partner Violence in Cases of Child Maltreatment</td>
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<tr>
<td>Thomas Uhde</td>
<td>New</td>
<td>Double-Blind, Sham-Controlled Crossover Pilot Study of Low Field Magnetic Stimulation (LFMS) on Subjective and Objective Measures of Sleep</td>
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</table>
Thank you! This year we had a very successful YES CAMPAIGN!

Participation increased 158% this year from 42 donors in 2015 up to 108 in 2016 (from 12% to 27% participation).

Across all of MUSC, almost 20% of all donors came from our department alone.

Congratulations to the Weight Management Center – the winners of this year’s pizza party with 100% Division Participation!

Honorable mentions go to the Addiction Sciences Division and Psychiatry Administration who came in close second and third.

We also want to recognize and thank the Department’s Leadership for showing that they believe in and take pride in the Department and MUSC. Specifically, 100% of the Administrative Leadership Council (ALC) and 95% of the Departmental Council donated to this year’s YES Campaign.

In addition to the pizza party for the winning division, the department will be hosting a Thank You Reception for all donors and their families in September – stay tuned for details coming soon!

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<tr>
<th>James Fox</th>
<th>Jeni Bowers-Palmer</th>
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<td>Robert Peiffer</td>
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<td>Clinton Ross</td>
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<td>Colleen Halliday-Boykins</td>
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Thank You for your generous support.

Together we raised more than $400,000!

Committee Results

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<th>Department</th>
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College of Nursing: 53% participation
ROLE OF THE VENTRAL HIPPOCAMPUS TO NUCLEUS ACCUMBENS PATHWAY IN ETHANOL DRINKING AND GLUTAMATE RELEASE.

EFFECTS OF ALCOHOL CONSUMPTION ON SMOKERS’ REACTIVITY TO STRESS AND SMOKING CUES IN DAILY LIFE.

A.K. Gilmore, K.E. Bountress. REDUCING DRINKING TO COPE AMONG COLLEGE WOMEN: SECONDARY OUTCOMES OF A WEB-BASED ALCOHOL USE AND SEXUAL ASSAULT RISK REDUCTION INTERVENTION.

C.E. King, K.E. Koch, H.C. Becker. CHRONIC EARLY LIFE STRESS EXACERBATES ESCALATION OF ALCOHOL CONSUMPTION FOLLOWING CHRONIC INTERMITTENT ETHANOL IN ADULT FEMALE C57BL/6J MICE.

M.G. Solomon, H.C. Becker. EFFECTS OF STRESS AND CHRONIC INTERMITTENT ETHANOL EXPOSURE ON ETHANOL DRINKING AND BRAIN REGIONAL BDNF MRNA AND RELATED MICRORNA EXPRESSION IN C57BL.


J.J. Woodward, P.A. Zamudio-Bulcock. INACTIVATION OF THE POSTERIOR CEREBELLUM VIA DREADDS UNVEILS A POSSIBLE ROLE OF THE CEREBELLUM IN VOLUNTARY ALCOHOL CONSUMPTION.

J.C. Flanagan, J.K. Hakes, E.A. McClure, A. Snead, S.E. Back. EFFECTS OF ALCOHOL USE, PTSD, AND INTIMATE PARTNER VIOLENCE ON CIGARETTE SMOKING IN A NATIONALLY REPRESENTATIVE SAMPLE.

M.L. Smith, M.F. Lopez, H.C. Becker, M.F. Miles. GENETIC AND GENOMIC ANALYSIS OF ORAL AND INHALED CHRONIC INTERMITTENT ETHANOL EXPOSURE EFFECTS ON PREFRONTAL CORTEX EXPRESSION NETWORKS.
A.M. Maldonado-Devincci, M.F. Lopez, H.C. Becker, A.L. Morrow. VOLUNTARY ETHANOL DRINKING REVERSES THE EFFECTS OF CHRONIC INTERMITTENT ETHANOL EXPOSURE ON BRAIN 3a,5a-THP LEVELS IN C57BL/6J MICE.


J.J. Prisciandaro, P. Latham, K. Voronin, T. Brown, R.F. Anton. ASSOCIATIONS BETWEEN ALCOHOL CONSUMPTION AND ANTERIOR CINGULATE GABA AND GLUTAMATE MEASURED VIA MR SPECTROSCOPY IN ALCOHOL DEPENDENT INDIVIDUALS.

L.R. Meredith, J.J. Prisciandaro, K.E. Voronin, R.F. Anton, J.P. Schacht. RELATIONSHIPS BETWEEN BEHAVIORAL IMPULSIVITY AND WHITE MATTER MICROSTRUCTURE IN YOUNG ADULTS WITH ALCOHOL DEPENDENCE.
R.I. Anderson, M.F. Lopez, H.C. Becker. MODELING STRESS-INDUCED ETHANOL CONSUMPTION IN MICE WITH A HISTORY OF CHRONIC INTERMITTENT ETHANOL EXPOSURE: INVOLVEMENT OF CRF AND DYNORPHIN.

R.F. Anton, S. Book, P. Latham, P. Randall, K. Voronin. THE EFFECT OF SMOKING ON NALTREXONE EFFICACY: DOES OPRM1 ASP40 ALLELE STATUS MATTER?


J.M. Barker, L.J. Chandler. ARBITRATION BETWEEN HABITUAL AND GOALDIRECTED ETHANOL SEEKING BY CORTICOACCUMBENS PROJECTIONS

J.A. Rinker, D.B. Fulmer, H. Trantham-Davidson, M. Miles, P.J. Mulholland. K+ CHANNEL GENE REGULATION IN THE PREFRONTAL CORTEX AS A BASIS FOR INVESTIGATING NOVEL PHARMACOGENETIC THERAPIES TO REDUCE HEAVY ALCOHOL DRINKING.


Z.W. Adams, C.K. Danielson, J.A. Sumner, J.L. McCauley, M. Carpenter, A. Amstadter, K.J. Ruggiero. PSYCHOSOCIAL PREDICTORS OF HEAVY EPISODIC DRINKING IN A POPULATION-BASED SAMPLE OF ADOLESCENTS EXPOSED TO A DEADLY TORNADO OUTBREAK.

K. Bountress, R. Tomko, C. Danielson, V. Williamson, V. Vladimirov, J. Gelernter, K. Ruggiero, A. Amstadter. FAMILY FUNCTIONING, ADOLESCENT PTSD SYMPTOMS, AND SEVERITY OF DISASTER RELATED LOSSES ON ADOLESCENT BINGE DRINKING: A GENETICALLY INFORMED STUDY.

S. Nimitvilai, M. Lopez, K. Grant, P. Mulholland, J. Woodward. CHRONIC ALCOHOL PRODUCES FUNCTIONAL ADAPTATIONS IN THE ORBITOFRONTAL CORTEX OF MICE AND MONKEYS.

MUSC Department of Psychiatry and Behavioral Sciences presents:

16th Annual Social Work Conference
Current Information and Techniques in Social Work

**CONFERENCE LOCATION**
Daniel Island Club
600 Island Park Drive
Charleston, SC 29492

**CONFERENCE DETAILS**
Friday, September 23, 2016
8:00 a.m. - 4:15 p.m.
Registration opens at 7:30 a.m.

This year’s conference will be held just north of downtown Charleston at the Daniel Island Club, a state-of-the-art facility in a beautiful Lowcountry setting. Join us for one full day of education and networking as we address information to stay current in your practice.

Topics include:
- grief and bereavement
- clinical case management and community resources
- disability, special needs and life-planning legal issues
- telehealth services
- changing policies and billing
- and more

The South Carolina Board of Social Work Examiners will approve approximately 7.0 hours of designated credit.

**CONFERENCE RATES:**

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*View further accreditation details and our upcoming calendar of events us at: [www.musc.edu/psychevents](http://www.musc.edu/psychevents)*

Questions? psych-events@musc.edu or (843) 792 - 0175

STAY CONNECTED! [Twitter](#) [Facebook](#) [Yelp](#)
ONGOING STUDIES

Title: rTMS for Adolescent Depression -- upcoming in the next couple weeks
Contact: Annabel Franz, franza@musc.edu, 843-876-5141
Description: We are investigating the safety and efficacy of repetitive TMS as a treatment for adolescent depression for those aged 12-21 years old. We are seeking adolescents of this age range who have not received sufficient benefit from at least one antidepressant medication trial. TMS is currently FDA approved for treating adult depression.

Title: rTMS for Bipolar Depression - current
Contact: Annabel Franz, franza@musc.edu, 843-876-5141
Description: We are investigating repetitive TMS as a treatment for bipolar depression in conjunction with mood stabilizers in adults aged 22-68 years old. We are seeking treatment refractory patients with bipolar disorder. TMS is currently FDA approved for treating adult depression.

Title: rTMS for Reducing Marijuana Craving and Risky Behaviors in Non-Treatment Seeking Heavy Marijuana Smokers - current
Contact: Annabel Franz, franza@musc.edu, 843-876-5141
Description: A pilot trial investigating how TMS to the left dorso-lateral pre-frontal cortex can reduce marijuana craving and impulsive decisions in adults 18-60.

Title: Enhancing Disrupted Reconsolidation: Impact on Cocaine Craving, Reactivity & Use
Contact: Amanda Smith, smitham@musc.edu, 792-6984
Description: 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.

Title: Assessing the Bite Counter as a Tool for Food Intake Monitoring: Phase II
Contact: Mary Harley harleyma@musc.edu 843-792-5428
Description: This study is a 15-week assessment of the possible utility of a wrist-worn device, the Bite Counter, in assisting the weight loss behavior change efforts of overweight and obese individuals. The Bite Counter tracks and analyzes wrist motions to identify those associated with taking bites of food and drinking beverages. It also has a step-counter feature. This study is designed to determine if using the Bite Counter with specific goals to reduce the numbers of bites and increase the numbers of steps will result in those changes.
Title: Psychological First Aid for Victims of Crime  
Contact: Dr. Michael McCart, mccartm@musc.edu, (843) 876-1800  
Description: This study aims to implement and refine research protocols required for a full-scale randomized clinical trial of Psychological First Aid (PFA) for adult victims of crime. PFA is a promising acute intervention designed to reduce the severity and duration of trauma-related distress. Law Enforcement Victim Advocates are being trained to implement PFA with adult crime victims. A pilot trial is comparing PFA to usual services on key mental health outcomes from baseline through 4 months post-baseline.

Title: Synthesizing HIV Behavioral Intervention Effectiveness in Developing Countries  
Contact: Dr. Michael D. Sweat, sweatm@musc.edu, (843) 876-1800  
Description: This is a project in which we are conducting systematic reviews and meta-analysis on evidence of effectiveness of a variety of HIV behavioral interventions in developing countries.

Title: Phase II RCT of Comprehensive Triage HIV Prevention: Tanzania  
Contact: Dr. Michael D. Sweat, sweatm@musc.edu, (843) 876-1800  
Description: The purpose of this study is to conduct a rigorous 3-year Phase II trial of a promising HIV prevention strategy designed to significantly reduce population-level HIV incidence in rural developing country settings with severe generalized HIV epidemics.

Title: Community-Based Combination HIV Prevention in Tanzania Women at Heightened Risk  
Contact: Dr. Michael D. Sweat, sweatm@musc.edu, (843) 876-1800  
Description: This is a two-arm Phase II community randomized controlled trial of a community-based combination HIV prevention intervention among FSWs in Iringa, Tanzania. The combination package examined includes integrated biomedical, behavioral and structural components: The study will establish baseline rates of key outcomes including HIV incidence and viral load suppression, examine the socio-structural and behavioral pathways of the intervention, assess feasibility, acceptability and safety, and document preliminary effectiveness. (1) mobile HIV testing and risk reduction counseling; (2) service navigation to facilitate access to treatment and retention in care; (3) sensitivity training for HIV clinical care providers; (4) SMS text messages to promote adherence to care and ART; (5) venue-based peer education and condom distribution; and (6) a community drop-in-center to promote cohesion and collective action to reduce stigma and discrimination.

Title: Dyadic-Based Diagnosis, Care & Prevention for Discordant Couples in Tanzania  
Contact: Dr. Michael D. Sweat, sweatm@musc.edu, (843) 876-1800  
Description: The primary goal for the proposed study is to examine the feasibility, safety, and impact on improved care and prevention of novel strategies to identify and engage HIV sero-discordant couples in an integrated prevention and treatment intervention.
Title: A Phase 2, Efficacy, Safety, and Tolerability Study of ALKS 3831 in Schizophrenia with Alcohol Use Disorder.
Contact: Melissa Michel, michelm@musc.edu, 843-792-1901
Description: This study is designed to evaluate the efficacy, safety, and tolerability of ALKS 3831 in schizophrenia with AUD. ALKS 3831 is a combination of olanzapine, an approved antipsychotic treatment for schizophrenia, and samidorphan, a new medication. Potential subjects for this trial are adults with a diagnosis of schizophrenia and alcohol use disorder (AUD) with a recent change in symptoms. The study will test whether olanzapine with samidorphan will aide in lowering alcohol use for subjects at the same time that the combination of the two drugs lessens side effects of olanzapine such as weight gain.

Title: An Open-label, Long-term, Safety and Efficacy Study of Intranasal Esketamine in Treatment-resistant Depression
Contact: Melissa Michel, michelm@musc.edu, 843-792-1901
Description: The main purpose of this study is to assess the long-term safety, tolerability, and effectiveness of esketamine nasal spray plus a newly initiated oral (taken by mouth) antidepressant in patients with treatment-resistant depression. All patients in this study will be treated with esketamine nasal spray plus a new oral anti-depressant. The new oral anti-depressant will be one of the following approved and marketed oral antidepressants: duloxetine (Cymbalta), escitalopram (Lexapro), sertraline (Zoloft), or venlafaxine extended release (Effexor XR). Recruitment ongoing.

Title: Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations and Treatment
Contact: Dr. Gregg Dwyer, 843-792-1461
Description: This study is based on the collection and analysis of data from Internet Crimes against Children (ICAC) investigated by ICAC Task Forces in 20+ states. The inferential analysis of perpetrator, victim and offense data and content analysis of Internet chats to solicit children serves to inform the mental health, social services, education and legal fields for use in forensic evaluations, treatment planning, criminal investigations, court proceedings and developing public safety strategies for protecting our communities’ youth. Funded by Office of Juvenile Justice and Delinquency Prevention grant # 2010-MC-CX-4003; joint with the University of So. Carolina.

Title: Protecting Children Online: Using Research-Based Algorithms to Prioritize Law Enforcement Internet Investigations
Contact: Dr. Dwyer. 843-792-1461
Description: Using data from ICAC Task Forces across the U.S. to develop empirically-based algorithms to assist law enforcement in prioritizing cases of: child pornography production over possession/ distribution; online luring to meet a minor to commit sexual offenses, over luring restricted to online behavior such as sexual chat or exchanging pornographic images; hands-on sexual offense offenders against children over cases of offenders with no known history. Funded by Office of Juvenile Justice and Delinquency Prevention grant # 2011-MC-CX-0002; joint with University of South Carolina, Johns Hopkins University & University of Ottawa.
Title: Rivastigmine Patch in Veterans with Cognitive Impairment Following Traumatic Brain Injury
Contact: Katy Donovan donova@musc.edu (843) 724-2945
Description: In light of the significance of memory deficits in persons with Traumatic Brain Injury (TBI), and the strong relationship between posttraumatic memory impairments and posttraumatic cholinergic dysfunction, this study examines the efficacy and safety of cholinesterase inhibitor rivastigmine (transdermal patch), an intermediate-acting cholinesterase inhibitor, in Veterans (ages 19 – 65 years old) suffering from posttraumatic memory impairment following TBI in a multicenter, randomized placebo controlled 26-week trial.

Title: Apathy in Dementia Methylphenidate Trial 2 (ADMET 2)
Contact: Olga Brawman-Mintzer, MD mintzero@musc.edu; (843) 724-2945
Description: Apathy in Dementia Methylphenidate Trial 2 (ADMET 2) is a Phase III, placebo-controlled, masked, 6 month, 10-center randomized clinical trial sponsored by National Institute of Aging involving 200 participants with Alzheimer's disease (AD). ADMET 2 is designed to examine the efficacy and safety of methylphenidate as treatment for clinically significant apathy in AD participants. ADMET 2 will enroll participants from real world settings such as outpatient, nursing home, and assisted living facilities and will examine the effects of methylphenidate on apathy and cognition. ADMET 2 will also conduct careful safety monitoring.

Title: Vitamin D and Type 2 Diabetes Study
Contact: Mary Harley harleyma@musc.edu 843-792-5428
Description: 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 understand 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 3 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.
**Title:** Low Field Magnetic Stimulation (LFMS) and Subjective/Objective Measures of Sleep  
**Contact:** Allison Wilkerson, wilkersa@musc.edu, 843.792.4636  
**Description:** This study is a double-blind, sham-controlled crossover pilot study of low field magnetic stimulation (LFMS) in people with insomnia. Participants will receive 4 LFMS treatments total (2 active, 2 sham) and complete 5 overnight sleep studies to explore the relationship between low field magnetic stimulation and improvement of insomnia.

**Title:** Eagle Eye: Validation of computer-based saccade measures as a sensitive, reliable, and freely available biomarker for tracking subtle neurocognitive changes in Parkinson's disease.  
**Sponsor:** Michael J. Fox Foundation  
**Contact:** Jenna Renfroe, PhD.; renfroe@musc.edu; 843-792-6096  
**Description:** This study aims to validate a computer-based task to enable clinicians and researchers to measure saccades without the cost and complexity of traditional eye-tracking equipment.

**Title:** Development and standardization of an iPhone-based application for quantitative measurement of the pupillary light reflex in healthy adults and patients with Parkinson’s disease. (iDilate)  
**Sponsor:** Chairs Departmental Research Foundation  
**Contact:** Jenna Renfroe, PhD; renfroe@musc.edu; 843-792-6096  
**Description:** This aim of this project is to develop and standardize an application that would allow clinicians, researchers, and community-based safety personnel (e.g., police and EMS) to obtain quantitative measurements of the pupillary light reflex, a highly sensitive measure of neurological functioning.

**Title:** Atomoxetine Treatment for Cognitive Impairment in Parkinson’s Disease (ATM-Cog).  
**Sponsor:** Michael J. Fox Foundation  
**Contact:** Vanessa Hinson, MD, PhD.; hinsonvk@musc.edu; 843-792-6096  
**Description:** This is a RCT assessing the safety and efficacy of ATM for cognitive impairment in Parkinson’s disease.

**Title:** Ranger Resilience and Improved Performance on phospholipid bound Omega-3’s (RRIP-3).  
**Sponsor:** Aker Biomarine  
**Contact:** Travis H. Turner, PhD; turnertr@musc.edu; 843-577-5011 x5192  
**Description:** This is a RCT examining whether supplementation with phospholipid bound omega-3 improves resiliency to psychophysiological distress in a sample of 400 candidates going through Infantry Basic Officer Leadership Course (IBOLC) and subsequent Ranger training at Ft. Benning. In addition to grades from IBOLC and success/failure in Ranger training, a number of neuropsychiatric measures are included as outcome and mediator/moderator variables.

**Title:** Better Resiliency Among Veterans and Non-Veterans with Omega-3’s (BRAVO)  
**Sponsor:** Congressionally Directed Medical Research Program.  
**Contact:** Samantha Wise; wissa@musc.edu; 843-792-2425  
**Description:** This RCT seeks to determine if dietary supplementation with omega-3 HUFAs reduces the risk for serious suicidal behaviors in an at-risk clinical population. Changes in cognitive processes specific to suicide risk are evaluated, including implicit associations, response inhibition and sustained attention.
**ONGOING STUDIES**

**Title:** Effect of Pregnenolone on Cue-Reactivity in Marijuana-Dependent Individual  
**Contact:** Lisa Nunn, jenkinli@musc.edu, 792-0476  
**Description:** This study explores the impact of an oral medication, pregnenolone, on drug craving following exposure to marijuana cues. Participation consists of a screening visit and one study session.

**Title:** Neural Substrates of Emotion: Impact of Cocaine Dependence  
**Contact:** Lisa Nunn, jenkinli@musc.edu, 792-0476  
**Description:** This study explores the effect of oxytocin on brain activity associated with stress in cocaine dependent individuals. Participation consists of a screening visit and one study session.

**Title:** A Randomized Controlled Trial of Varenicline for Adolescent Smoking Cessation (formal title protocol); Project Quit (nickname)  
**Contact:** Referrals – Team Intake Coordinator; Study Management - Lori Ann Ueberroth, Study Coordinator  
**Contact email:** Referrals – smokingstudy@musc.edu; Study Management – ueberro@musc.edu  
**Contact phone number:** Referrals – 792-4097; Study Management – 792-8220  
**Description:** This is a research study to determine if a medication (varenicline) helps young cigarette smokers quit. Smokers aged 14-21 who participate in the study receive medication or placebo and help with quitting during 12 weekly sessions. Smokers under 18 must have parental consent. There is no cost to participate and compensation is available to those that qualify.

**Title:** The gender-sex hormone interface with craving & stress-related changes in smoking (formal title protocol); SCOR 3 Nicotine (nickname)  
**Contact:** Referrals – Team Intake Coordinator; Study Management - Lori Ann Ueberroth, Study Coordinator  
**Contact email:** Referrals – smokingstudy@musc.edu; Study Management – ueberro@musc.edu  
**Contact phone number:** Referrals – 792-4097; Study Management – 792-8220  
**Description:** This is a non-treatment study for cigarette smokers ages 18-45, examining gender and reproductive hormone influences on smoking behavior. There is NO requirement that participants be interested in quitting smoking. The study involves 4 clinic visits and compensation is provided for those who qualify.

**Title:** Gabapentin for Relapse Prevention: Alcohol Withdrawal-Brain GABA/Glutamate Effects  
**Contact:** Konstantin Voronin, voronin@musc.edu, 792-4887  
**Description:** 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. 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.
ONGOING STUDIES

Title: Impulsivity and Drinking/Craving: Effect of a Dopamine Stabilizer Medication
Contact: Mark Ghent, ghent@musc.edu, 792-1222
Description: This non treatment study investigates 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.

Title: Acceptability and feasibility of the remote monitoring of smoking and relapse in adolescents
Contact: Taylor York, york@musc.edu, 843-792-0493
Description: This is a research study that will test a new remote monitoring technology to assess smoking in the natural environment among adolescents and young adults ages 15-25. After assessment and inclusion in the study, participants will be asked to carry two devices (smartphone and a device to assess how much they are smoking) with them for 11 days and answer questions about their smoking, mood, surroundings, etc. Participants will also be asked to make a brief quit attempt lasting for approximately 48 hours. There is no cost to participate and compensation is available to those who qualify. Remote monitoring technology has the potential for fewer clinic visits and a better understanding of smoking among adolescents and young adults.

Title: A novel approach to reduce the use, misuse and abuse of prescription opioids in pregnancy
Contact: Connie Guille, guille@musc.edu, 843-792-6489
Description: The aim of this study is to gather feedback from pregnant women using prescription opioids who participate in a Cognitive Behavioral Therapy for Chronic Pain program for the reduction of use, misuse and abuse of prescription opioid medication(s).

Title: Adverse early childhood experience and risk for poor obstetric outcomes in African American women
Contact: Connie Guille, guille@musc.edu, 843-792-6489
Description: The aim of this study is to investigate the impact of early childhood adversity on a laboratory stressor and risk for poor obstetric outcomes.

Title: Testing a Promising Treatment for Youth Substance Abuse in a Community Setting
Contact: Dr. Scott W. Henggeler, henggesw@musc.edu, (843) 876-1800
Description: The overriding purpose of the proposed randomized trial is to examine the effectiveness of a promising outpatient treatment of adolescent substance abuse delivered in a community-based treatment setting.

Title: Family-Based Treatment for Parental Substance Abuse and Child Maltreatment
Contact: Dr. Cynthia C. Swenson, swensocc@musc.edu, (843) 876-1800
Description: The purpose of this randomized controlled trial is to examine the effectiveness of the Building Stronger Families Model versus standard services in Connecticut for physically abused and/or neglected children whose parents are experiencing severe substance abuse. The study is being implemented through a community based mental health provider. Key outcomes under examination include child behavior, parent behavior, family relations, parent to child violence, reabuse, placement, and parental substance abuse.
Title: Positive Psychotherapy to Improve Autonomic Function and Mood in ICD Patients”
PAM-ICD Trial (NCT02088619)
Contact : Dr. Lily Christon (Project Coordinator); Dr. Eva Serber (PI)
Contact email: pam-icd@musc.edu
Contact phone number: 843-792-0625
Description: This study is a randomized clinical trial of a positive-emotion focused cognitive-behavioral therapy intervention (Quality of Life Therapy) vs. a heart healthy education intervention among patients with implantable cardioverter defibrillators (ICD), with the primary aim of feasibility and acceptability of QOLT in ICD patients. Secondary aims include obtaining effect size estimates of QOLT on frequencies of arrhythmia episodes and ICD-delivered therapies, parasympathetic activity and regulation, and QOL and psychosocial constructs. Recruitment: patients of MUSC Cardiology

Title: TMS for nicotine addiction
Contact: Scott Henderson or Xingbao Li
Contact email: henderjs@musc.edu or lixi@musc.edu
Contact phone: 843-792-5560 or 843-792-5729
Description: This is a double blind randomized controlled smoking cessation research study sponsored by the National Institute of Drug Abuse. This study is designed to ascertain whether repetitive transcranial magnetic stimulation (rTMS) can affect things that may prompt you to want to smoke and the consumption of cigarettes over a 3-month period.
After assessment and inclusion into the study, participants will be randomized to receive a 10-time active rTMS or placebo-like rTMS. Participants must be (1) current cigarette smokers; (2) between 18-60 years old; (3) able to commit approximately 13 hours of time to the study; and (4) have no metal in their body. Compensation will be provided.

Title: Integrative Risk Reduction and Treatment for PTSD and Teen Substance Use Problems
Contact: Anna Smalling, smallina@musc.edu, 792-8361
Description: This program involves a randomized controlled trial (RCT) with subjects ages 13-18 years who have experienced interpersonal violence (physical or sexual abuse/assault, exposure to domestic violence, witness community violence). Subjects are randomized to either receive Risk Reduction through Family Therapy (RRFT) or Treatment As Usual (TAU). Youth will be recruited from local child advocacy centers and the interventions are psychosocial in nature. Follow-up assessments will be conducted at multiple time points through 18-month post entry.

Title: Investigation of safety and efficacy of once-daily semaglutide in obese subjects without diabetes mellitus
Contact: Suzanne Kuker, kuker@musc.edu, 792-5427
Description: This study seeks to determine whether semaglutide, will help non-diabetic people who are obese to lose weight over one year. Participants will be randomly assigned to receive 1 of 5 doses of semaglutide, liraglutide or an inactive placebo and will be enrolled in the study for 59 weeks. The primary measure will be weight change and other measures will include health factors related to obesity such as blood sugar control, blood pressure, and cholesterol. The safety of the drug for weight loss will also be studied.
ONGOING STUDIES

Title: Low Field Magnetic Stimulation (LFMS) and Subjective/Objective Measures of Sleep  
Contact Allison Wilkerson, wilkersa@musc.edu, 843.792.4636  
Description: This study is a double-blind, sham-controlled crossover pilot study of low field magnetic stimulation (LFMS) in people with insomnia. Participants will receive 4 LFMS treatments total (2 active, 2 sham) and complete 5 overnight sleep studies to explore the relationship between low field magnetic stimulation and improvement of insomnia.

Title: Group Motivational Interviewing (GMI) for Homeless Veterans in VA Services  
Contact: Kayla Lamb, Kayla.Lamb@va.gov, 843-577-5011 ext: 5310  
Description: We are seeking Veterans who are homeless or in the VA Homeless Program to voluntarily enroll in a VA research study comparing two types of treatment for Veterans who have an alcohol misuse problem. Eligible participants will attend one of two groups: a motivational enhancement group therapy, called ‘The Self-Change Program’, designed to enhance motivation to make a healthier change around using substances by exploring personal goals, values, and strengths for making a change, or a Like Skills Educational Group therapy for improving quality of life and enhancing home stability. The study will recruit participants from within three locations: the Charleston VA Medical Center, the Myrtle Beach Community Based Outpatient Clinic (CBOC), and the Savannah, GA CBOC. Compensation will be provided to qualified participants.

Title: A Randomized, Double-blind, Multicenter, Placebo-controlled, Parallel-group, Efficacy and Safety Study of 2 Doses of Dasotraline in Adults with Attention Deficit Hyperactivity Disorder (ADHD)  
Contact: Amanda Wagner, wagne@musc.edu, 843-792-0484  
Description: This is a randomized, placebo-controlled, double-blind clinical trial (Phase III) evaluating the safety and efficacy of an investigational medication called Dasotraline in adults with Attention Deficit Hyperactivity Disorder. The study requires weekly visits for 12 weeks, and daily medication compliance.

Title: Smart Capsule for Automatic Adherence Monitoring  
Contact: Elizabeth Jones, jonesel@musc.edu, 843-792-5819  
Description: The purpose of this study is to determine the acceptability, tolerability, and efficacy of capsules with built-in, ingestible sensors that allow researchers to tell whether or not a patient took them as prescribed. This study is recruiting healthy volunteers.

Title: Effects of transcranial Direct Current Stimulation and Brief Cognitive Intervention on Pain Tolerance.  
Contact: Brittan Carter, cartebri@musc.edu, (843) 792-3659  
Description: The Departments of Psychiatry and Anesthesiology at MUSC are accepting volunteers for a clinical research study to investigate pain tolerance. The purpose of this study is to determine whether a new medical technology, called Transcranial Direct Current Stimulation (tDCS) can temporarily alter pain tolerance level. tDCS is a minimally-invasive technique (i.e., it does not involve any surgical procedures, additional medication or sedation, or needles) that uses a very small amount of electricity to temporarily stimulate specific brain areas in awake people. The electrical current passes through the skin, scalp, hair, and skull and can temporarily increase or decrease activity in areas of the brain that are thought to be involved with pain perception. Interested participants will be screened on the telephone and then have one appointment lasting approximately 1 hour. Participants must be between the ages of 18 and 75. Participation is confidential, and compensation is available.
**ONGOING STUDIES**

Title: The Effects of Cognitive Behavioral Therapy and Transcranial Direct Current Stimulation (tDCS) on Fibromyalgia Patients  
Contact: Brittan Carter, cartebri@musc.edu, (843) 792-3659  
Description: The purpose of this study is to determine whether a new medical technology, called Transcranial Direct Current Stimulation (tDCS), can help reduce fibromyalgia and reduce the need for pain medication when applied in combination with cognitive behavioral therapy (“talk therapy”). tDCS is a minimally-invasive technique (i.e., it does not involve any surgical procedures, additional medication or sedation, or needles) that uses a very small amount of electricity to temporarily stimulate specific brain areas in awake people. The electrical current passes through the skin, scalp, hair, and skull and can temporarily increase or decrease activity in areas of the brain that are thought to be involved with pain reduction. Some preliminary studies suggest that tDCS may be effective in reducing fibromyalgia and altering pain perception in both healthy adults and in patients with various types of pain conditions. Participants must be between the ages of 21 and 85. Participation is confidential, and compensation is available.

Title: Preliminary Study Investigating Whether Low Field Magnetic Stimulation (LFMS) Has Antinociceptive Effects In A Laboratory Pain Model  
Contact: Brittan Carter, cartebri@musc.edu, (843) 792-3659  
Description: The purpose of this study is to determine whether a new form of non-invasive brain stimulation, called low field magnetic stimulation (LFMS), can relieve pain. LFMS is like another form of brain stimulation called transcranial magnetic stimulation (TMS). This study consists of a 30 minute screening visit and two 90-minute experimental trials separated by approximately one week. Participation is confidential, and compensation is available.

Title: The Effects of Cognitive Behavioral Therapy and Transcranial Direct Current Stimulation (tDCS) on Chronic Lower Back Pain  
Contact: veteranpainsc@gmail.com, 843-779-2493  
Description: The purpose of this study is to determine whether a new medical technology, called Transcranial Direct Current Stimulation (tDCS), can help reduce chronic lower back pain and reduce the need for pain medication when applied in combination with cognitive behavioral therapy (“talk therapy”). tDCS is a minimally-invasive technique (i.e., it does not involve any surgical procedures, additional medication or sedation, or needles) that uses a very small amount of electricity to temporarily stimulate specific brain areas in awake people. The electrical current passes through the skin, scalp, hair, and skull and can temporarily increase or decrease activity in areas of the brain that are thought to be involved with pain reduction.

- **COMPENSATION PROVIDED**  
- **ALL INFORMATION IS CONFIDENTIAL**  
**PARTICIPANTS MUST:**  
- Be between the ages of 18 - 70  
- Suffer from chronic pain  
- Be a United States Veteran  
- Take a prescription pain medication
ONGOING STUDIES

Title: Comparison of Pre-Trial Competency to Stand Trial Defendants’ Characteristics on Outcome of Feigning Measures: A Preliminary Study of Local Norms
Contact: Jennifer Steadham, steadhaj@musc.edu, 876-2140
Description: Deliberate attempts to falsify, fabricate, or grossly exaggerate some aspect of functioning is known as feigning. When feigning is motivated by possibility of external gains (e.g., avoidance of prosecution or lesser punishment), it is known as malingering (Rogers & Shuman, 2005). Malingering has obvious relevance in forensic mental health evaluations, as pre-trial criminal defendants have clear motivations to feign impairment. Feigning strategies can be subdivided into two varieties in criminal forensic contexts: cognitive (i.e., memory or thinking processes) and psychiatric (i.e., symptoms of major mental disorders) impairment. Categorical classifications can be made on the basis of a defendant’s performance on feigning assessment measures, into groups thought to be exaggerating or fabricating impairment (“probable malingers”) or those thought to be responding honestly (“non-malingers”). In the last decade, direct examinations comparing the characteristics of competency defendants suspected of malingering versus non-malingers, as classified by feigning measures, have been sparse and most often included as an incidental question in a larger study. For the current study, a sample of competence to stand trial evaluations conducted by MUSC’s Forensic Psychiatry Program will be reviewed. Competency to stand trial reports dated 2011 through August 2015 will be included for review. Evaluation reports will be coded for examinee (e.g., demographic, psychiatric diagnoses, and mental status descriptions) and evaluator characteristics (i.e., specialty field).

Title: CSP556 “rTMS for depressed veterans”
Contact: Matt Schmidt, matthew.schmidt@va.gov, 843-577-5011 ext 5209
Description: This is study for veterans only who have depression. The treatment given is Transcranial Magnetic stimulation. It is a double blind study with a sham (placebo) possibility. There is a screening phase of about 1 week, a treatment phase of 4-6 weeks, and a follow up phase where subjects come in once per month for 5 months. All procedures and assessments done at Ralph Johnson VA. Subject compensation is available up to $400.00.

Title: A Randomized Trial of E-cigarettes: Natural Uptake, Patterns and Impact of Use
Contact: Caitlyn Hood, hooca@musc.edu, 843-876-2291
Description: Electronic cigarettes (e-cigarettes) are the newest and perhaps the most popular non-cigarette products available to smokers. In this study, we will examine how the use of electronic cigarettes affects smoking behavior. Eligible participants will have a 2/3rds chance of receiving a sample of e-cigarettes. Participants must be current, daily cigarette smokers who are 18 years of age or older and interested in trying the e-cigarette.

Title: Oxytocin in Cocaine Dependence
Contact: Lisa Nunn, jenkinli@musc.edu, 792-0476
Description: This study explores the effect of oxytocin on stress response and brain reactivity in individuals with cocaine dependence. Participation consists of a screening visit, three outpatient study sessions, and two brief follow-up visits.
**Title:** Low Field Magnetic Stimulation (LFMS) and Subjective/Objective Measures of Sleep  
**Contact:** Allison Wilkerson, wilkersa@musc.edu, 843.792.4636  
**Description:** This study is a double-blind, sham-controlled crossover pilot study of low field magnetic stimulation (LFMS) in people with insomnia. Participants will receive 4 LFMS treatments total (2 active, 2 sham) and complete 5 overnight sleep studies to explore the relationship between low field magnetic stimulation and improvement of insomnia.

**Title:** Bringing South African Men into HIV Counseling and Testing (HCT) and Care  
**Contact:** Dr. Michael D. Sweat, sweatm@musc.edu, (843) 876-1800  
**Description:** The ultimate objective of this research is to provide evidence-based strategies to improve treatment of HIV+ men. Treatment as prevention (TasP) can only work through a three step process: (1) Testing a significant proportion of the population, (2) linkage to care and (3) maintaining in care a significant proportion of HIV+ individuals to the point of viral suppression. The benefits of increased testing, linkage to and maintenance in care for men would be enormous. We propose a study that combines structural and individual level interventions and integrates the results to address our overall objective of maintenance in care to the point of viral suppression.  
**Aim 1:** In a cluster-randomized study, we will investigate whether male-centered mobilization and testing increases the population-level percentage of men who have been tested (within the last 12 months) by more than 10 absolute percentage points.  
**Aim 2:** In the individually-randomized design, we will investigate whether POC CD4 testing and individualized case management improves linkage to care (immediately following diagnosis) and viral suppression (12 months later) over POC CD4 testing alone and standard of care.  
**Aim 3:** Integrate the results of the two trial components (Aims 1 and 2) to evaluate the joint effect of the interventions on the percentage of HIV+ men who are effectively tested, linked to care and maintained with undetectable VL. The benefits of increased testing, linkage to and maintenance in care for men would be enormous. Men would remain healthier longer, could work and support their families, contribute to rather than deplete household economic resources, raise their children, and they would be less likely to transmit HIV to female partners.

**Title:** A Pharmacokinetic Comparison of Immediate Release N-Acetylcysteine with Extended Release N-Acetylcysteine in Healthy Adults  
**Contact:** Melissa Michel, michelm@musc.edu, 843-792-1901  
**Description:** Healthy males and females between the ages of 18-50 years are asked to participate in a 12 day outpatient study. The purpose of the study is to determine if a newly developed extended release version of N-Acetylcysteine (NAC) will be acceptable to replace the currently available immediate release formulation of NAC.

**Title:** A Prospective, Longitudinal, Observational Study to Evaluate Potential Predictors of Relapse in Subjects With Major Depressive Disorder Who Have Responded to Antidepressant Treatment  
**Contact:** Melissa Michel, michelm@musc.edu, 843-792-1901  
**Description:** This study is being done to collect information related to Major Depressive Disorder (MDD). The purpose of this observational study is to identify if answers to self-reported questionnaires about your symptoms and functioning, information about your daily activity and sleep quality, and speech and voice characteristics can be used to predict worsening of MDD in the near future.
Title: Evaluation of Cue-Induced Brain Activation in Pedophilic Offenders  
Contact: Dr. Gregg Dwyer, 843-792-1461  
Description: This study adapts fMRI neuroimaging to evaluate cue-induced changes in regional brain activity in men with Pedophilic Disorder compared to men without the disorder. It has significant potential for knowledge acquisition. Neuroimaging technology has been used to a limited extent to address the neurobiological underpinnings of deviant sexual behavior, but studies are limited in number as well as in scope. It extends results of previous neuroimaging studies by assessing regional brain activity after cue stimulation with a control group during simultaneous fMRI and penile plethysmography. Funded by a University of Ottawa Medical Research Fund grant; joint with Royal’s Institute of Mental Health Research, University of Ottawa.

Title: Sexually Violent Predators” and the Impact of Substance Addiction: A Pilot Study  
Contact: Dr. Gregg Dwyer and Thomas Lewis III, 843-792-1461  
Description: This study evaluates persons committed under the South Carolina Sexually Violent predator (SVP) Act with regard to substance usage, mental health diagnoses, criminal justice, and sex offense data to better understand their relationships. By utilizing SVP Act Multidisciplinary Team review data, information can be obtained comparing persons recommended for commitment to those dismissed from the review process. Given the dearth of empirical study of this population, employing the depth and breadth of data to be examined will enable this pilot study to further the field and public safety efforts at the community level. The Principal Investigator for this study is a General Psychiatry Resident in the DART program with associated funding support.

Title: Enhancing the Identification of Victims of Child Pornography Production and Distribution  
Contacts: Drs. Gregg Dwyer, 843-792-1461  
Description: A unique collaboration with the National Center for Missing and Exploited Children has enabled access to data from a national registry of identified child pornography victims for the first time outside the federal government. The research team has built a database to examine characteristics of identified child pornography victims; how they are identified; relationships between child and perpetrator characteristics; details about the child pornography offenses. This is a multi-national joint project with MUSC CPSPD, Royal’s Institute of Mental Health Research, University of Ottawa, Canada and School of Health in Social Science, University of Edinburgh, Scotland, UK. Funded by a Thorn Foundation grant.

Title: A Randomized, Double-Blind, Placebo-Controlled, Phase 4, Relapse Prevention Study Evaluating the Efficacy and Safety of Vortioxetine (5, 10 and 20 mg) in Adults With Major Depressive Disorder  
Contact: Donovan Katy donova@musc.edu (843) 724-2945  
Description: The goal of the study is to evaluate 3 fixed doses (5, 10 and 20 mg oral tablets) of vortioxetine (Brintellix) in the prevention of relapse in adult subjects (18-75 years old) with major depressive disorder (MDD), recurrent, who responded to acute treatment with vortioxetine. Eligible subjects participate in a 16-week open-label treatment period with vortioxetine followed by a 32-week double-blind randomized treatment phase.
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