In loving memory of Dr. Perot -
A true pioneer of Neurosurgery.
Statement from the Chairs

February 2011

At the dawning of a new year we are reminded that the world turns and nothing stays the same. Our vision of the future and our perspectives of the present are reborn, and provide us with an adapting foundation for individual achievement and success as a department. This year is no different. New forces have entered our clinical and research environment, including a new Dean, Dr. Etta Pisano, who has created a culture of excellence based on adaptive change and transparency. This means our budgets are being centrally restructured, with changes in state allocations, clinical taxes and support for research. These changes are being refined with broad input from the College of Medicine, to be implemented by next fiscal year.

While we will most certainly have less money in the department due to a 20% reduction in state support, the restructuring is not according to indecipherable historic norms, but rather according to transparent algorithms based on research, education and clinical productivity. Accordingly, the fact that our faculty and staff are remarkably productive bodes well for our allocations. Also, the Dean is establishing mechanisms to access funds that will promote targeted, college-wide academic growth in areas like genetics and bioengineering.

In parallel with the reformulation of the Dean’s office and budgets, we are having a 5-year outside review of the department scheduled for March 24-25. We look forward to as many of you as possible meeting with the reviewers and expressing your frank opinions on what is good and what is not so good about your daily work life, and the department organization and leadership. This is an opportunity for all of us to improve, both in our own career trajectory and as a team. Please be frank, and as concise as possible in suggesting changes and providing constructive criticism so that we can most efficiently implement needed changes. We look forward to this review as part of an ongoing conversation towards improving the department.

Although our constantly evolving world means we cannot rest on our laurels, as we enter a new year, we can put ourselves on the back at the remarkable accomplishments since our inception in 2005. Our successes have laid the foundation for what we are confident will be our continued success in 2011. We have grown from 40 to 60 tenure-track faculty, with the divisions of Neurology and Neurosurgery nearly doubling in size. Our research activity has grown remarkably, especially clinical research. At the time of our merger in 2005, there was $75,000 in clinical research expenditures, last year we had ~$7 million in clinical grant expenditures. As well, preclinical research growth has been from $12 million to $17 million in grant expenditures. In addition to research growth that is unparalleled on our campus, we have created clinical programs that have achieved national recognition, even though they barely existed in our department before the merger. This includes in particular our Epilepsy, Stroke, Neuro-oncology, and Alzheimer’s programs. Although our academic faculty growth over the next year will be driven largely by the availability of wet-bench research space in the new buildings (to be completed in summer 2011), our recruitments are targeted to create translational research teams that augment our current clinical research strengths in the areas of Epilepsy, Stroke, Neuro-oncology, endovascular imaging and engineering, and Alzheimer’s disease. It is through these bench to bedside research teams that we will approach our original vision of being a national leader in the ability to bring new scientific discoveries in the neurosciences efficiently into clinical care. As well, these teams can be expected to be nationally competitive for NIH center funding.

Sundri and I are amazed at all that you have accomplished, and feel fortunate indeed to have been part of such a phenomenon. In 2011 we pledge to strive to facilitate your personal career growth, which is what underpins our emerging leadership role as a department on campus and amongst national academic institutions.

-Peter Kalivas and Sundri Patel

This newsletter was made possible from the generous contributions of faculty and staff in MUSC’s Neurosciences Department. The success of this publication is dependent upon this support. Thank you for your interest, time and information. For inquiries, suggestions, or submission please contact Emma C. Vought (vought@musc.edu) or Rachel Beard (beardr@musc.edu).

Dr. Peter Kalivas
Co-Chair
Neurosciences

Dr. Sunil Patel
Co-Chair
Neurosciences

Emma C. Vought (vought@musc.edu) or Rachel Beard (beardr@musc.edu).
In loving memory of Dr. Perot -
A true pioneer of Neurosurgery

I am sad to inform you all that Dr. Phanor L. Perot passed away in the early morning of 2/2/11 at his home on Wentworth Street.

Dr. Perot, came from Montreal, where he was trained by Wilder Penfield. He was the first Chairman of the Department of Neurosurgery here at MUSC. Academically known best for his research in Spinal Cord Injury (longest standing NIH funded Program Project in Spinal Cord Injury (~20 years)), did the first transthoracic disc surgery, and developed the surgical treatment for Torticollis. Perhaps his greatest contribution to Neurosciences was his review of Penfield’s human brain stimulations summarized in a paper he co-authored with Dr. Penfield: ‘The Brain’s Record of Auditory and Visual Experience - A Final Summary and Discussion’. Dr. Perot trained several of the neurosurgeons who practice in South Carolina. He was known for his pleasant demeanor and internationally had the reputation of being a true gentleman scholar among Neurosurgeons. His patients loved him for his dedication and deepest concerns for their welfare - he taught us all the ‘art of patient care - CARING FOR THE PATIENTS’...

He will be missed dearly in Neurosurgery. His spirit of learning and patient care will continue....

~ Dr. Sunil Patel

A memorial service is planned for Friday, March 18th, 2011 at 3:30 pm. It will take place at MUSC’s St. Luke’s Chapel. A reception will follow at 4:30 pm at Colcock Hall.

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Feature

Dr. Glazier Recognized by the Pediatric Hydrocephalus Foundation

The Pediatric Hydrocephalus Foundation started a project called ‘Heroes of Hydrocephalus.’ Our goal was to recognize and honor the Doctors, politicians, educators, etc., who have played a role in making living with Hydrocephalus a little easier and longer.

Our first area of interest was in the medical community. We had asked our members to submit a story on behalf of their child of what their Neurosurgeon means to them and their family. Twenty-three stories were submitted. (all are available on our website which is listed below).

We decided to go one step further and randomly select ten of these stories and donate to the Neurosurgeon/Hospital on behalf of the child and his/her family.

Bethany Wright, the mom of Julie Anne, submitted a story about Dr. Steven Glazier and that story was one of the ten selected. Here is the link to the story written by Bethany:


There are no strings attached to this donation, although we would like the money to be used in some way to help children with Hydrocephalus, and I would like to send the office some PHF brochures so other families with children with Hydrocephalus may learn about us and take advantage of our support services and assistance programs.

Thank you,

Michael

MICHAEL B. ILLIONS

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Story submitted by: Bethany W. on behalf of Julie Anne
Honoring: Dr. Steven Glazier; Medical University of South Carolina

Dr. Glazier and his team at MUSC have been excellent in their care of our little girl. We had never heard the word Hydrocephalus before...

To read the whole story please visit:
To see a full listing of clinical trials at MUSC visit:
http://www.mushealth.com/clinicaltrials/

### Clinical Trials

#### TRU Studies Actively Enrolling Subjects

<table>
<thead>
<tr>
<th>Study</th>
<th>HR #</th>
<th>Title</th>
<th>Sponsor</th>
<th>Principal Investigator</th>
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<tr>
<td>A D N I - GO</td>
<td>20004</td>
<td>Alzheimer's Disease Neuromaging Grand Opportunity</td>
<td>National Institute on Aging</td>
<td>Jacobo Mentzer, M.D., M.B.A. and David Bachman, M.D.</td>
<td>Arthur Williams, M.D.</td>
<td>843-740-1952</td>
<td><a href="mailto:masoncnr@musc.edu">masoncnr@musc.edu</a></td>
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<td>C E R E - GENE</td>
<td>19435</td>
<td>A Double-Blind, Placebo-Controlled (Sham Surgery); Randomized, Multicenter Study Evaluating CERE-110 Gene Delivery in Subjects with Mild to Moderate Alzheimer's Disease</td>
<td>National Institute on Aging and Caregena, Inc.</td>
<td>Jacobo Mentzer, M.D., M.B.A. and David Bachman, M.D.</td>
<td>Beth Safrit, NNP</td>
<td>843-740-1952</td>
<td><a href="mailto:masoncnr@musc.edu">masoncnr@musc.edu</a></td>
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<td>BAPI</td>
<td>19441</td>
<td>A Phase 3, Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Efficacy and Safety Trial of Banexuzumab in Subjects with Mild to Moderate Alzheimer's Disease</td>
<td>Pfizer Pharmaceuticals</td>
<td>Jacobo Mentzer, MD, M.B.A. and David Bachman, M.D.</td>
<td>Jan Watts, RN</td>
<td>843-740-1952</td>
<td><a href="mailto:masoncnr@musc.edu">masoncnr@musc.edu</a></td>
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<td>GAP</td>
<td>18701</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Two-Dose Arm, Parallel Study of the Safety and Effectiveness of Immune Globulin Intravenous (HUMAN), 10% (IGIV 10%) for the treatment of Mild to Moderate Alzheimer's Disease</td>
<td>National Institute on Aging and Baxter Healthcare Corporation</td>
<td>Jacobo Mentzer, M.D., M.B.A. and David Bachman, M.D.</td>
<td>Arthur Williams, M.D.</td>
<td>843-740-1952</td>
<td><a href="mailto:masoncnr@musc.edu">masoncnr@musc.edu</a></td>
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<td>CITAD</td>
<td>18550</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Clinical Trial Study of Citralopram for the treatment of Agitation in Alzheimer's Disease</td>
<td>National Institute of Health</td>
<td>Jacobo Mentzer, M.D., M.B.A. and David Bachman, M.D.</td>
<td>Marilyn Stuckey, RN</td>
<td>843-740-1952</td>
<td><a href="mailto:masoncnr@musc.edu">masoncnr@musc.edu</a></td>
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<td>ADMET</td>
<td>19677</td>
<td>Apathy in Dementia Methylphenidate Trial</td>
<td>National Institute of Health</td>
<td>Jacobo Mentzer, M.D., M.B.A. and David Bachman, M.D.</td>
<td>Jane Ann Swiney, RN</td>
<td>843-740-1952</td>
<td><a href="mailto:masoncnr@musc.edu">masoncnr@musc.edu</a></td>
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<td>Neuro-Oncology</td>
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<td>Dipocyt</td>
<td>18706</td>
<td>Targeting Subcortical Zone Prognator Cells with Intrathecal Liposomal Encapsulated Axi-C (Dipocyt) in Patients with Recurrent Glialbloma Multiforme</td>
<td>National Institute of Health</td>
<td>Bruce Frisell, M.D.</td>
<td>Michelle DeCanio, RN</td>
<td>845-792-9016</td>
<td><a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
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<td>FACT</td>
<td>19156</td>
<td>Fusion Assessment Clinical Trial (FAC'T), Rev. G, Protocol # 00000-T02</td>
<td>Hgeneusine Inc.</td>
<td>Bruce Frisell, M.D.</td>
<td>Michelle DeCanio, RN</td>
<td>845-792-9016</td>
<td><a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
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<tr>
<td>EVI-DENCE</td>
<td>19679</td>
<td>Evidence-Spinal Cord Stimulation with Preadcision Spinal Cord Stimulation (SCS) Versus Reoperation for Failed Back Syndrome</td>
<td>Boston Scientific</td>
<td>Itzian Takacs, M.D.</td>
<td>Michelle DeCanio, RN</td>
<td>845-792-9016</td>
<td><a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
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<tr>
<td>KAST</td>
<td>20358</td>
<td>The KIVA™ System as a Vertebral augmentation Treatment; A Safety &amp; Effectiveness Trial</td>
<td>Benevenne</td>
<td>Bruce Frisell, M.D.</td>
<td>Michelle DeCanio, RN</td>
<td>845-792-9016</td>
<td><a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
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<tr>
<td>NaroSS</td>
<td>20459</td>
<td>A Prospective, Multi-Center, Nonrandomized study to assess Lumbar Fusion Using Interbody Gages with Autograft in conjunction with Instrumented Posterolateral Gutter Fusions Using NANOSS BA™</td>
<td>Pioneer Surgical Technology</td>
<td>Abhay Varma, MD</td>
<td>Michelle DeCanio, RN</td>
<td>845-792-9016</td>
<td><a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
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<td>Epilepsy Trials</td>
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<td>King Vanquish</td>
<td>18067</td>
<td>Phase 3, Randomized, Double-Blind, Parallel, K26-05-3001 Placebo-controlled, Multicenter Study with Optional Open-Label Continuation of the Efficacy and Safety of Vanquix™ Auto-Injector (Diazepam Injection) for the Management of Selected, Refractory Patients with Epilepsy Who Require intermittent Medical Intervention to Control Episodes of Acute Repetitive Seizures</td>
<td>King Pharmaceuticals</td>
<td>Jonathan Halford, MD</td>
<td>Amy Parker, RN</td>
<td>843-792-9174</td>
<td><a href="mailto:parkaran@musc.edu">parkaran@musc.edu</a></td>
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<tr>
<td>SPO 961</td>
<td>20054</td>
<td>An Open-Label Pilot Study to Assess the Safety of Oral Lacosamide as Additive Therapy for Uncontrolled Primary Generalized Tonic-Clonic Seizures in Subjects with Idiopathic Generalized Epilepsy</td>
<td>Schwartz</td>
<td>Jonathan Halford, MD</td>
<td>Amy Parker, RN</td>
<td>843-792-9174</td>
<td><a href="mailto:parkaran@musc.edu">parkaran@musc.edu</a></td>
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<td>Brivaracetam</td>
<td>20585</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Parallel-Group Study to Evaluate the Efficacy and Safety of Brivaracetam in Subjects (≥ 16 to &lt; 80 Years Old) with Partial Onset Seizures</td>
<td>Schwarz Biosciences, Inc. (UCB)</td>
<td>Jonathan Halford, MD</td>
<td>Amy Parker, RN</td>
<td>843-792-9174</td>
<td><a href="mailto:parkaran@musc.edu">parkaran@musc.edu</a></td>
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<td>Movement Disorders</td>
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<td>CD-PROBE</td>
<td>18965</td>
<td>CD-PROBE: Cervical Dysautonomia: Patient Registry for Observation of Botex® Efficacy</td>
<td>Allergen Sales, LLC</td>
<td>Vanessa Hinson, MD, Ph.D.</td>
<td>Jennifer Zimmerman, RN/ Vicky Salak, RN</td>
<td>843-792-9175</td>
<td><a href="mailto:zimmerman@musc.edu">zimmerman@musc.edu</a></td>
</tr>
</tbody>
</table>

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**To see a full listing of clinical trials at MUSC visit:**
http://www.mushealth.com/clinicaltrials/
Our Neuro-Oncology Service Promise: Patients can be seen within 3 business days. To receive a copy of Neuro-Oncology clinical trials or to search MUSC Hollings Cancer Center Trials visit:
https://academicdepartments.musc.edu/neurosciences/News_Events/index.html

<table>
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<tr>
<th>Study</th>
<th>CTO #</th>
<th>Title</th>
<th>Principal Investigator</th>
<th>Study Coordinator</th>
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<tr>
<td>Glioblastoma, Adjuvant (1)</td>
<td>101347</td>
<td>BTTC 08-01: A Phase II study of Bevacizumab and Erlotinib after Radiation Therapy &amp; Temozolomide in patients with newly diagnosed glioblastoma without MGMT promoter methylation.</td>
<td>Pierre Giglio, MD Tel: 843-792-6592 <a href="mailto:giglio@musc.edu">giglio@musc.edu</a></td>
<td>John Keller Tel: 843-792-1286 <a href="mailto:kellej@musc.edu">kellej@musc.edu</a></td>
<td>Clinical Trials Office (Hollings Cancer Center)</td>
<td>Brain Tumor Trials Collaborative/Genetech</td>
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<tr>
<td>Glioblastoma, Adjuvant (2)</td>
<td>101481</td>
<td>RTOG 0837: Randomized Phase II, Double-Blind, Placebo-Controlled trial of conventional chemoradiation and adjuvant temozolomide plus cediranib versus conventional chemoradiation and adjuvant temozolomide plus placebo in patients with newly diagnosed glioblastoma</td>
<td>Pierre Giglio, MD Tel: 843-792-6592 <a href="mailto:giglio@musc.edu">giglio@musc.edu</a></td>
<td>John Keller Tel: 843-792-1286 <a href="mailto:kellej@musc.edu">kellej@musc.edu</a></td>
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<td>RTOG 0837</td>
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<td>Glioblastoma, Recurrent</td>
<td>101254</td>
<td>A Phase III Study of Intraventricular Depocyt (Orphan Drug Designation 06-2348) in Patients with Recurrent Glioblastoma.</td>
<td>Bruce Frankel, MD Tel: 843-792-2423 <a href="mailto:frankel@musc.edu">frankel@musc.edu</a></td>
<td>Michele DeCandio, RN Tel: 843-792-9016 <a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
<td>Translational Research Unit (Neurosciences)</td>
<td>NIH Funding</td>
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<tr>
<td>The Effect of Garlic Compounds on Fresh Human Glioma Biopsies</td>
<td>101378</td>
<td>The Effect of Garlic Compounds on Fresh Human Glioma Biopsies</td>
<td>Arabinda Das, PhD <a href="mailto:dasi@musc.edu">dasi@musc.edu</a></td>
<td>Michelle DeCandio, RN Tel: 843-792-9016 <a href="mailto:decandio@musc.edu">decandio@musc.edu</a></td>
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<td>The CATNON Intergroup Trial (RTOG 814)</td>
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<td>Anaplastic Glioma, Adjuvant (1)</td>
<td>101450</td>
<td>RTOG C017C 0854/26053 22054, “Phase III, Trial on concurrent and adjuvant temozolomide chemotherapy in Non-1p/19q deleted anaplastic glioma.”</td>
<td>Pierre Giglio, MD Tel: 843-792-6592 <a href="mailto:giglio@musc.edu">giglio@musc.edu</a></td>
<td>John Keller Tel: 843-792-1286 <a href="mailto:kellej@musc.edu">kellej@musc.edu</a></td>
<td>Clinical Trials Office (Hollings Cancer Center)</td>
<td>The CATNON Intergroup Trial (RTOG 814)</td>
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<tr>
<td>Anaplastic Glioma, Adjuvant (2)</td>
<td>101449</td>
<td>Phase III, Intergroup Study of Radiotherapy versus Temozolomide Alone versus Radiotherapy with Concomitant and Adjuvant Temozolomide for Patients with 1p/19q Codeleted Anaplastic Glioma.</td>
<td>Pierre Giglio, MD Tel: 843-792-6592 <a href="mailto:giglio@musc.edu">giglio@musc.edu</a></td>
<td>John Keller Tel: 843-792-1286 <a href="mailto:kellej@musc.edu">kellej@musc.edu</a></td>
<td>Clinical Trials Office (Hollings Cancer Center)</td>
<td>NCCCTG</td>
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<td>Low Grade Glioma, Progressive</td>
<td>101399</td>
<td>ECOG E3F05, “Phase III Study of Radiation Therapy With or Without Temozolomide for Symptomatic or Progressive Low-Grade Glioma.”</td>
<td>Pierre Giglio, MD Tel: 843-792-6592 <a href="mailto:giglio@musc.edu">giglio@musc.edu</a></td>
<td>John Keller Tel: 843-792-1286 <a href="mailto:kellej@musc.edu">kellej@musc.edu</a></td>
<td>Clinical Trials Office (Hollings Cancer Center)</td>
<td>ECOG (Study E3F05); RTOG Endorsed</td>
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<td>Meningioma, Adjuvant</td>
<td>101382</td>
<td>Phase II Trial of observation for low-risk meningiomas and of radiotherapy for intermediate and high-risk meningiomas.</td>
<td>Pierre Giglio, MD Tel: 843-792-6592 <a href="mailto:giglio@musc.edu">giglio@musc.edu</a></td>
<td>John Keller Tel: 843-792-1286 <a href="mailto:kellej@musc.edu">kellej@musc.edu</a></td>
<td>Clinical Trials Office (Hollings Cancer Center)</td>
<td>RTOG (RTOG 0539)</td>
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# Neurosciences: October & November Grants Awarded

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<th>Principal Investigator</th>
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<th>Agency 2</th>
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<th>Total Indirect</th>
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<td>Adams, Robert J.</td>
<td>CoEE for Stroke Endowment Payout</td>
<td>MUSC Fdn.</td>
<td>SC Research Centers of Economic Excellence</td>
<td>Other</td>
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<td>Banki, Naren L.</td>
<td>A New Strategy for Functional Neuroprotection in Epilepsy</td>
<td>Unv. of South Carolina</td>
<td>NIH/NINDS</td>
<td>Basic Research</td>
<td>13,040</td>
<td>6,194</td>
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<td>Banki, Naren L.</td>
<td>Calpain Activation of T Cells in Demyelinating Disease</td>
<td>NIH</td>
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<td>Basic Research</td>
<td>250,000</td>
<td>118,750</td>
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<td>Bhat, Narayan R.</td>
<td>Role of a Stress Kinase in AD Pathogenesis</td>
<td>Amer. Health Assistance Fdn.</td>
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<td>Basic Research</td>
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<td>Buhusi, Mona C.</td>
<td>Time Migration: Assessing Age-Related Cognitive and Motor Control Deficits</td>
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<td>Basic Research</td>
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<td>Frankel, Bruce M.</td>
<td>Delivery of Non-Toxic Chemo-Sensitizers using Targeted Nanoparticles to Increase the Therapeutic Efficacy of Temozolomide in Glioblastoma</td>
<td>Southeastern Brain Tumor Fdn.</td>
<td>Basic Research</td>
<td>75,000</td>
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<td>GDNF and Inflammation in Parkinsons Disease</td>
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<td>Knackstedt, Lori A.</td>
<td>Caffeixone and the Role of GLT-1 in Cocaine Relapse</td>
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<td>250,000</td>
<td>83,125</td>
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<td>Mahler, Stephen V.</td>
<td>VTA Glutamate and Orexin Involvement in Cue Reinstatement of Drug Seeking</td>
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<tr>
<td>McGinty, Jacqueline F.</td>
<td>Intra-PFC BDNF and Methamphetamine Seeking</td>
<td>NIH</td>
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<td>Basic Research</td>
<td>250,000</td>
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<tr>
<td>Mintzer, Jacobo</td>
<td>A Double-Blind, Placebo-Controlled, Randomized, Multi-Center Study Evaluating CERE-110 Gene Delivery in Subjects with Mild to Moderate Alzheimer’s Disease</td>
<td>Univ. of California, San Diego</td>
<td>NIH/NIA</td>
<td>223801</td>
<td>2012</td>
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<td>Mintzer, Jacobo</td>
<td>Clinical Trial</td>
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<td>Moorman, David</td>
<td>Role of Prefrontal Networks in Addiction Endophenotypes**</td>
<td>NIH</td>
<td>Basic Research</td>
<td>200,000</td>
<td>95,000</td>
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<td>Mulholland, Patrick Joseph</td>
<td>K+ Channels as a Novel Target for Stress-Related Neuropsychiatric Disorders</td>
<td>NIH</td>
<td>Basic Research</td>
<td>150,000</td>
<td>71,250</td>
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<tr>
<td>Mulholland, Patrick J</td>
<td>Chronic Alcohol Induced Plasticity of the mPFC: Role for SK Channels</td>
<td>Oregon Health Sciences University</td>
<td>NIH/NIAAA</td>
<td>49,538</td>
<td>25,531</td>
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<td>Muntz-Pope, Bonnie</td>
<td>ThinkFirst Injury Prevention</td>
<td>SC Dept. of Disabilities and Spec. Needs</td>
<td>Patient Education/Public Service</td>
<td>1,204</td>
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<td>Reissner, Kathryn J.</td>
<td>Contributions of Glutamate Transport to Drug Abuse</td>
<td>NIH</td>
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<td>76,936</td>
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<td>Reissner, Kathryn J.</td>
<td>Cytoskeletal Mechanisms of Cocaine-Induced Neuroplasticity</td>
<td>NIH</td>
<td>Fellowship</td>
<td>52,898</td>
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<td>Stuckey, Marilyn Kay</td>
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<td>VAMC Sub</td>
<td>Clinical Research</td>
<td>70,423</td>
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<td>Trantham, Heather</td>
<td>PSAS - Packing Density in Smaller Aneurysms: How Significant?</td>
<td>Micrus Endovascular Corp.</td>
<td>Clinical Trial</td>
<td>48,600</td>
<td>11,400</td>
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<td>Turner, Raymond</td>
<td>A Prospective, Multi-Center, Nonrandomized Study to Assess Lumbar Fusion Using Interbody Cages with Autograft in Conjunction with Instrumented Postlateral Gutter Fusions Using NanOss BA</td>
<td>Pioneer Surgical, Inc.</td>
<td>Clinical Trial</td>
<td>35,176</td>
<td>7,544</td>
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<td>Woodward, John J.</td>
<td>Neural Actions of Toluene</td>
<td>NIH</td>
<td>Basic Research</td>
<td>230,215</td>
<td>93,213</td>
<td>323,428</td>
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</tbody>
</table>
Stroke Center News

Dr. Tanya Turan Committee Appointments:
- Appointed to the Stroke Scientific Sessions Program Committee of the Stroke Council for the America Stroke Association
- Appointed to the Brain Bank Steering Committee at MUSC
- Appointed to the Hospital Peer Review Committee for 2011 at MUSC

Dr. Marc Chimowitz National Conference Presentations:
November 17, 2010, NY, NY

October 15th, 2010, Seoul, Korea

Reach Program Updates:
- In December 2010, the stroke program added Carolina Pines and January 14th, 2011 added Self Memorial to our telestroke sites to make a total of 15 sites.
- The Stroke Program will be awarded with the Gold Plus Award again this year on February 9th.

Research Updates:
Dr. Turan, November 4, 2010

New SCTR KL2 Scholar Announced, Congratulations to Tanya Turan, MD - Department of Neurosciences SCTR’s newest KL2 Scholar.

Dr. Turan’s research project is titled “Characterization of Intracranial Stenosis Using High-Resolution MRI (CHIRASM).”

Research Updates:

November 15, 2010 - Dr. Lackland, invited to serve on the Board of Directors for World Hypertension League

December 14, 2010 - Dr. Edward Jauch appointment as Review Editor of Frontiers in Stroke

2011 - MUSC recipient of the HealthGrades Stroke Care Excellence Award. Hospitals receiving this honor were in the top tier in the HealthGrades stroke care ratings.

Neurology and Neurosurgery

Neurosciences and Radiology
Angio Suite Open House

The Medical University of South Carolina is proud to announce that the Second Neuro (NIR) Angio Suite is open for business. The Radiology and Neuroscience Departments and Neuroscience Service Line held a ribbon cutting celebration on November 22, 2010.

Neurology and Neurosurgery

Spring Neuroscience Symposium 2011 - “Charting a Course in Neuroscience”
April 8th & 9th, 2011
Presented by: Medical University Hospital Authority (MUHA) Neuroscience Service Line

The Spring Neuroscience Symposium is a comprehensive overview for health care providers involved in the care of patients with cerebrovascular, spine, and brain tumor disorders. The Sundown Seminar offers concurrent sessions with various topics related to the care of these patients. The main conference will present a review of progressive therapies and an essential introduction to state-of-the-art diagnostic and treatment options available for the neuroscience patient.

Spring Neurosciences Symposium 2011
To find out more about the Spring Neurosciences Symposium 2011 please visit: www.MUSC.edu/neurosciences
Recently, MUSC established the Southeastern Lab News Neuropsychopharmacology Laboratory on Drug Abuse, entitled: “Impact of methamphetamine self-administration on glutamate and dopamine in the corticostriatal pathway.”

- Dr. See was appointed to the Scientific Advisory Board. Translational Methamphetamine AIDS Research Center - Univ. California San Diego
- Dr. See was promoted to Fellow status in the American College of Neuropsychopharmacology (December 2010)

Dr. Tatyana Gudz, PhD
We have published an important paper in JBC and received a second Veterans Affairs funded grant ($750000/year+Ph salary) for 4 years.

Alzheimer’s Research & Clinical Programs News

ARCP Winter 2011 Newsletter
The ARCP has recently published The Alzheimer’s Research & Clinical Programs (ARCP) Winter 2011 Newsletter.

To view this publication please visit: www.musc.edu/arcp

Forget-Me-Not Ball
May 13, 2011
The 6th annual Charleston Forget-Me-Not Ball benefits the South Carolina Chapter of the Alzheimer’s Association.

SE VIEW
Recently, MUSC established the Southeastern Virtual Institute for Health Equity and Wellness (SE VIEW) to address health disparities in South Carolina and other southeastern states as part of a cooperative agreement with the United States Department of Defense. Under SE VIEW, the Alzheimer’s Research & Clinical Programs will be working to address health disparities in South Carolina by utilizing telemedicine in the evaluation of Alzheimer’s disease in rural, African American populations. With the leadership of Jacobo Minizeit, MD, the program will focus primarily on rural areas with a highly concentrated African American elderly population, where there may be difficulty in reaching diagnostic and treatment centers. Compared to Caucasian patients, African Americans have a high prevalence rate of Alzheimer’s disease in SC; however, very few in rural areas of the state are diagnosed and treated. The Alzheimer’s Research & Clinical Programs will partner with hospitals in rural SC to diagnose and evaluate subjects, using telemedicine, to potentially allow for early detection and treatment options that may otherwise not be possible. This project will additionally work to validate the applicability of telemedicine in clinical practice.

Visit www.musc.edu/seview for more information on SC VIEW

MUSC Brain Stimulation Division

Nova Special
February 2nd, 2011 on PBS

“Magnetic Mind Control” MUSC’s Mark George will be featured in the PBS show “NOVA Science Now,” hosted by Neil DeGrasse Tyson, about his work in treating depression and pain. NOVA’s series on cutting edge neuroscience methods brought them to MUSC to learn more about Transcranial Magnetic Stimulation (TMS). The Brain Stimulation Division in the Department of Psychiatry are world leaders with this technology, particularly in translating ideas about circuits in the brain into using TMS as a treatment. In fact, TMS was FDA approved as a treatment for depression in 2008 based in large part on the initial and then subsequent studies performed here at MUSC. The NOVA team also filmed some of the other important uses of TMS: examples of using TMS as a neuroimaging tool to knock-in or knock out regional brain activity and change behavior. They also spent time with Dr. Jeff Boordardt and Dr. Scott Reeves of the Anesthesiology department, who have pioneered TMS as a potential anti-pain treatment.

For people interested in TMS for clinical care, call or email Tami Brown. For the research clinical trial, contact Matthew Schmidtmann schmidtmann@musc.edu_SUBJECT=TMS%20Clinical%20Trial%20At%20761-5141.html

http://www.publics.org/wgbh/nova/body/mind-control/TMS.html

Neurosciences Service Line (NSL) Update

NSL Manager Recognition Program
We have started a Manager Recognition Program for the Neurosciences Service Line. The NSL Managers nominated one of their peers for the Excellence Award. The first recognition award winner is Adam Kornegay, Manager, Clinical Neurophysiology Lab. This award was presented to him December 10, 2010 at 82 Queen Restaurant. Some of the comments regarding Adam are below.

I am nominating Adam because of his achievements in applying for and being the recipient of multiple Department specific Certifications. While I am not naming each certification I have been aware of what Adam has done for his services, to recognize his staff for the work that they do in their field of expertise. A lot of time and effort is behind the application process and I want to congratulate Adam on all of these great accomplishments.

I nominate Adam because he has done a great job growing a very demanding department. Adam appears to be very focused and dedicated to his program and to his employees. Everyone that works for Adam speaks highly of his leadership and are pleased with their jobs.

Thank you, June Darby

Brain Waves e-newsletter
December, was the first month of the new consumer e-newsletter called Brain Waves. Brain Waves will focus on a new neuroscience related topic each month and provide information to the general community. We had great success with our first two issues and encourage all of the neurosciences team to sign up and suggest their patients subscribe. Suggestions for new topics are welcomed.

Please email Sharon Tippo at tippo@musc.edu with ideas. Current issues are at: http://www.musc Heath.com/NSL/Ehnewsletters.aspx?section=NSLgroups&group=NSL& and people can sign up at http://www.muscHealth.com/NSL/subcribe.aspx

Neurosciences Service Line Update
March 3rd, 2011: 7-8am or 12-1pm at Storm Eye Auditorium, 8th Floor

On October 26, Dr. Steven Glazier, Sharon Tippo and June Darby presented the Neurosciences Service Line Strategic Plan and Cost Reduction Plan to the Department of Neurosurgery and the Neurosciences Service Line employees in an effort to communicate with them and to get their feedback. It was very successful with 90+ people in attendance.

In an effort to be inclusive, we want to offer the same presentation to all Service Lines and Shared Services so that you have an opportunity to hear about our plan and give us YOUR feedback. The presentation will be Thursday, March 3 from 7-8am and 12-1 pm in the Storm Eye Auditorium.

We hope you can attend.
- June Darby, Administrator & Steven Glazier, MD, Medical Director
brain & events

Brain Tumor Action Week
May 2nd - 7th, 2011

Brain Tumor Action Week will be held the first week of May. Many events are planned to raise awareness and funds for brain tumor research. Some of the scheduled events are: a brain tumor action fair in the MUSC horsehoe, a team in the dragon boat races, a vigil service, and Dr. Anne Kultz will be joining us again to speak on health and diet as it relates to cancer patients. As details are finalized all events will be posted on www.MUSC.edu/neurosciences.

For any questions or suggestions contact Rachel Beard: beardr@musc.edu or 843-792-6592

Interested in volunteering for Brain Tumor Action Week or coming up with a t-shirt design or slogan? Deadline: February 18th
Contact Rachel Beard:
beardr@musc.edu or 843-792-6592

Brain & Spine Tumor Program
T-Shirt Contest
Deadline for Submissions February 18, 2011

The Brain and Spine Tumor Program needs your help! We are creating a t-shirt to sell during - and hopefully even before - Brain Tumor Action Week (May 2-6, 2011). We would like YOU to send us your designs or ideas for slogans that will make people want to have one of our t-shirts! The creator of the chosen t-shirt idea will receive a FREE t-shirt and also a gift certificate to the delicious Halo restaurant (across from the horsehoe). The only requirements are:
• It must say ‘MUSC Brain & Spine Tumor Program’ somewhere on the shirt
• Somehow incorporate the importance of supporting increasing MUSC brain tumor research in order to find a cure. Some of the current thoughts have been: “Researching our way to a cure” and “Help us in our fight/battle against brain tumors, support brain tumor research.” Feel free to play around with these.

We want the message to be clear, but feel free to use (appropriate) humor and make it fun - we want this to be a fun t-shirt that people will want to wear!
It does not matter what form you send your idea in – you can sketch it out and scan/email it in; you can write it in an email, attach a word document, etc. As long as your full concept comes across, send it in whatever form you like.

**NOTE: If you have an idea for an illustration, but feel you might not have the artistic talent to complete it, just do the best you can or describe what you are envisioning. If your idea wins we will have Emma Vought, our very talented medical illustrationist, bring the vision to life.**

Please send any questions and ALL submissions to: Rachel Beard: beardr@musc.edu

DEADLINE FOR SUBMISSIONS: February 18th

We look forward to seeing your ideas!!

~ Rachell L. Beard
Neuro-Oncology Administrative Assistant

Dragon Boat Race
May 6th, 2011

Currently we are looking for participants of the Neurosciences Dragon Boat Team. Members are
Required to:
- Attend team practices- morning or evenings
Not required:
- To spend money
- Be from the Neurosciences Department

If interested please contact Kim McCormick by email mccorkim@musc.edu

Epilepsy Boot Camp
January 22, 2011

Despite the cold, wind and rain, the Epilepsy Center held their first Epilepsy Boot Camp for Patients and Families on Saturday, January 22, and all 21 registrants were in attendance in addition to a few more arriving later in the morning.
Dr. Edwards welcomed everyone and the conference was underway. Anything and everything you want to know about epilepsy were presented by the following speakers: Jonathan Edwards, MD, Ambesser Selasse, PhD, Gabriel Metz, MD, Jonathan Hallow, MD, Steven Glazer, MD, Julie Deenar-tear, RD, MPAS, PA-C, Patricia Gibson, MSSW, ACSWJ (Keynote Speaker) Elizabeth Hamilton, NP-C, Brandon Wannamaker, MD, and Gigi Smith, MSN, RN, CPNP.
Everyone enjoyed a box lunch from Atlanta Bread as they listened to the Keynote Speaker from Wake Forest, Patricia Gibson. After lunch, there were three breakout sessions offered (Women and Hormones, Specific for Men and Children and Adolescents). As the conference drew to a close, all in attendance were glad they came out and are looking forward to the next one!

To learn more about the Hydrocephalus Facebook Support Group or become friends please visit:

Hydrocephalus Facebook Support Group

Jennifer Marshall, NP started a Facebook support group for hydrocephalus. This site is a support group and networking avenue for MUSC patients and families living with hydrocephalus.

7 East Reunion
7E Neuro Reunion was held October 2010. There were 35 people in attendance—many opened 7E in 1992 and many still work on the 9th floor Neuroscience Unit.
“Theres something special about neuro nursing that brings people closer together – it requires team work to take care of the complex neuro patients and we had such a wonderful staff that really cared about the patients, their families and each other. So Argee Herchuk and I worked together to plan this special event. I hosted it at my house and we all had a great time re-connecting.”
~ Kelly Cavins

Letter to the Editor in the Post & Courier from a stroke patient’s wife.

MUSC winners

The recent articles on the need for immediate treatment of CVA (stroke) written by Renee Dudley were of great interest to me... to read the whole letter please visit the Post & Courier web site at:
Moving Ahead

Winter 2010 Newsletter

Murray Center for Research on Parkinson’s Disease and Related Disorders has recently published its winter 2010 newsletter.

Brain Bank

In efforts to support the recently founded, Carroll A. Campbell, Jr. Neuropathology Laboratory, the College of Medicine Alumni Board decided in its December meeting to reach out to MUSC alumni to educate them on tissue donation. We are happy that they chose this important project for their “email blitz.” It is the goal of the MUSC “Brain Bank” to procure, control brains. Having a supply of both samples available for study will help us continue to make strides in combating these devastating illnesses.

To submit an electronic donor registration form go to:
http://academicdepartments.musc.edu/aging/research/Brain%20Bank/Donation.htm

Contacts for Brain Bank:
Dr. Lotta Granholm - Director of Center on Aging
Nicholas Gregory - Brain Bank Coordinator
Rebekah Hardin - Program Coordinator

Development

Hockey Heroes for Epilepsy - November 20th, 2010

The First Annual “Hockey Heroes for Epilepsy” event was held on November 20th, 2010 at the North Charleston Coliseum. MUSC, the South Carolina StingRays, Gwinnett Gladiators, community volunteers, and of course hockey fans, joined forces in this unique way to raise awareness and support for epilepsy research. Sponsor and vendor tables, a silent auction, and an appearance by NASCAR legend Ernie Irvan marked the occasion.

The event was a huge success thanks in large part to the leadership of Karen St. Marie, a parent of one of MUSC’s epilepsy patients, and supporters in the Charleston, SC area. Mrs. St. Marie led the initiative in order “to encourage families dealing with epilepsy to never give up HOPE, surround yourselves with friends and loved ones for SUPPORT, and always BELIEVE you can make a difference for others.”

The Hockey Heroes for Epilepsy event raised $7,653.05 to support research, education and outreach related to epilepsy in our community. These proceeds were donated to REEF (Research and Education in Epilepsy Fund) at the MUSC Foundation. Special thanks to our sponsors for their support: Lundbeck, Natus Neurology, Cyberonics, Mike McShane, Cover 2 Cover Magazine, and Action Abatement. Additional thanks go to our community volunteers and Karen St. Marie, who spearheaded the successful event.

For additional ways to support the epilepsy program at MUSC, or questions about the event, please do not hesitate to contact Debbie Bordeau, our Director of Development, at 843.792.4342 or bordeau@musc.edu.

For more information about the Brain Bank visit: www.musc.edu/aging/research/Brain%20Bank/Donation.htm

3rd Annual Coach Tim Touchberry Putting for Parkinson’s Event Golf Tournament, Dinner & Auction

March 19, 2011

On March 19, 2011, a group of volunteers are organizing the 3rd Annual event “Coach Tim Touchberry Putting for Parkinson’s” to raise awareness and support for Parkinson’s research. This will be an afternoon of golf at the Legend Oaks Golf Club, which will highlight the Murray Center for Research on Parkinson’s disease and Related Disorders at MUSC. Dinner and a silent auction will welcome the golfers and their guests after their rounds of golf to highlight the facts and faces of this disease. This event is in honor of Coach Tim Touchberry, who was an admired high school teacher and coach in the Charleston, SC school system from 1972-2006, and was diagnosed with Parkinson’s in 2003. The event is being spearheaded by Jamie Touchberry, who was an admired high school teacher and coach in the Charleston, SC school system from 1972-2006, and was diagnosed with Parkinson’s in 2003. The event is being spearheaded by Jamie Touchberry, who explains that this golf tournament is a great fundraiser because “it is an active way to raise awareness and donations in honor of Coach Tim Touchberry, because he has always been the epitome of an active lifestyle! We are excited to be teamed with the Murray Center and have the funds we raise stay right here in the Lowcountry helping find a cure for Parkinson’s!”

According to the Parkinson’s disease Foundation, as many as one million Americans live with Parkinson’s disease. Meanwhile, approximately 60,000 Americans are diagnosed with Parkinson’s disease each year, and this number does not even reflect the thousands of cases that go undetected. This is a fun and unique opportunity to hear from those who have been affected by this disease and become a partner in our work towards Parkinson’s research, education, and outreach. Proceeds from golf rounds, sponsors, and the silent auction will be donated to the MUSC Foundation to support the Murray Center’s efforts to find a cure for Parkinson’s.

Please join MUSC in this effort to find a cure for Parkinson’s disease and related disorders by participating in this event. Additional details on the event can be found on http://www.puttingforparkinsons.com/

For additional ways to support the Murray Center program at MUSC, or questions about becoming a sponsor or participant at the event, please do not hesitate to contact Debbie Bordeau, our Director of Development, at 843.792.4342 or bordeau@musc.edu.

Employee Update

Get to Know Our New Employee Simone

Simone Wilson is a native of South Carolina, and a proud “Carolina Girl”. She has transferred to us from MUSC Family Medicine Department where she has been employed for 3 years. Prior to being a part of our team, Simone was enlisted in the United States Navy where she served a total of 6 yrs. She traveled the world on an Aircraft Carrier to help with humanitarian efforts and medical emergencies. Simone has always had a passion for singing, so she auditioned for American Idol and was pleasantly surprised when she was given a “Golden Ticket” to see the famous judges. She advanced to “Hollywood Week” but, was cut before the top 24 were chosen. “Going to Idol was stressful, exciting, and rewarding. It has boosted my confidence with my talents and given me self-esteem a boost as well.” Simone boasts. She goes on to say that Idol is over and it’s now time for her to go on with life. Simone smiles and says, “I’m glad that life brought me to Neurosciences because I’m having a blast.”
Employee Update

Goodbye and Good Luck

Cheryl Miller PA
Sumner, Selena
Vilardo, Nicole
Prestigiacomo, Kristen
Moussawi, Khadi
Ratana, Giana
Bache, Alexandra
Roulabough, Stacy
Wheelan, Brian
McDowell, Misty
Hurt, Philips
Davis, Toni
Paral, Kaushal
Knight, Emily
Ross, Rebecca
Harden, Stephen
Holdings, Emily
Qadir, Syed (Riz)
Bucuvacali, Elin
Smith, Thressa
Mudin, Thad
Murphy, Marsha
Shi, Xiang-Dang

Welcome New Employees

Veitch, Jaya
Wilson, Simone
Bowen, Jnr. Roberto
Dorovan, Katy
Helmie, Stephanie
Jin, Thomas
Kitch, Alou
Hill, Eraly
Temptel, George
Zhang, Penny
Gill, Margaret
Kupchik, Yanatan (Yoni)
Gipson, Casio
Park, Sookyoung
Scoffield, Michael
Quinters, Gabriel
Collins, Heather
Zhu, Xun
Joseph, Jane
Dillon, Kelly
Markowitz, Allison
Gillard, Theodosia
Parker, Amy
Swamy, Jane Ann
DiCarlo, Michelle
Harits, Jan Marie
Yang, JiuLong Justin
Rowley, Courtney
Qadir, Syed (Riz)
King, Ashley
Barnwell, Eliza
Van Rogen, Melba
Benca, Chelise
Peterson, Jessica
Dasgupta, Subhajit
El Sayed, Hanaa
Sadak, Shaker
Mahanes, Beau

NP
Admin Assist
Admin Assist
Neuro Scheduling
Admin Assist
Admin Assist.
Asst. Professor
Data Coordinator I
Data Coordinator I
Faculty
Lab Spec I
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Publications

Peer Reviewed Journal Articles - original manuscripts:

December 5, 2010, Int. J Stroke

December 2010, Circulation

Published Research Articles in Referred Journals:

2010, Stroke


December 2010, Circulation

Published Research Articles in Refereed Journals:

2010, Stroke


Peer Reviewed Guidelines/Scientific Statements:

October 2010, Stroke

Interested in becoming part of the Department of Neurosciences? To see available positions please visit:
http://academicdepartments.musc.edu/vpfa/hrm/career_opps/index.htm
Recent Publications:

January 13th, 2011, Stroke
Metrics for Measuring Quality of Care in Comprehensive Stroke Centers: Detailed Follow-Up to Brain Attack Coalition Comprehensive Stroke Center Recommendations: A Statement for Healthcare Professionals From the American Heart Association/American Stroke Association

Related citations

December 2010, Stroke
Guidelines for the Primary Prevention of Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association

December 10, 2010, JBC Papers
Manuscript M110.164392
The latest version is at http://www.jbc.org/cgi/doi/10.1074/jbc.M110.164392

Psichopharmacology

Biological Psychiatry

Neuropsychopharmacology

December 10, 2010, JBC Papers
Manuscript M110.164392
The latest version is at http://www.jbc.org/cgi/doi/10.1074/jbc.M110.164392

Developmentally Regulated Ceramide Synthase 6 Increases Mitochondrial Ca²⁺-loading Capacity and Promotes Apoptosis
Sergei A. Novgorodov, Daria A. Chudakova, Brian W. Wheeler, Jacek Bielawski, Mark S. Kindy, Lina M. Obaidt, and Tatjana I. Gudzi

Holiday Door Decorating Contest with the Neurophysiology Lab
Check out these creative doors that the employees of the neurophysiology lab created to show their holiday spirit.
Thank you for your contributions. For questions, comments or to make a submission please contact:

Emma C. Vought at vought@musc.edu
or
Rachel Beard at beardr@musc.edu