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The Center on Aging is a research and education center at the Medical University of South Carolina. The South Carolina Commission on Higher Education approved the center December 3, 1987, giving it the status of the oldest research center at the University. Dr. Lotta Granholm came on board as the fourth director for the center, July 1 of 2001. The business plan was originally developed by six executive committee members representing the different colleges at MUSC. The Healthy Aging work group, which also functions as the Internal Advisory Board for the Center on Aging, was instituted by the president of MUSC, Dr. Greenberg, and began its work on a new strategic plan in the beginning of 2002. This resulted in a revised strategic plan for MUSC regarding our future plans for research, service, and education on Healthy Aging. The overall vision of the Healthy Aging work group was to “establish a plan that addresses MUSC’s role in promoting the health, increasing the longevity, and improving the quality of life of senior South Carolinians.” The business plan was revised and new strategic goals amended by the Executive Committee in 2006. The culture of the Center on Aging has always been to include all colleges at MUSC in strategic planning for research and education.
Executive Summary

Despite reductions in federal funding for aging-related research, the Center on Aging has had another successful year, with accomplishments in all areas of our strategic plan. Below is a summary of our accomplishments pertaining to the different strategic goals, as well as strategic objectives for the next fiscal year.

It should be noted that the Center on Aging Business plan is going to be revised during this calendar year, to become directly aligned with the new MUSC Strategic Objectives. The goal is to have the business plan completely revised by the summer of 2012. However, it should be noted that our current strategic objectives are uniquely aligned with most of the MUSC strategic directions, including Interprofessional, Technology/Innovation, Entrepreneurialism, and Globalization. Because it is important for every center and program at MUSC to align itself with the MUSC overall strategic plan, we have categorized our accomplishments according to these overall directions.

Since the economy is becoming more strained, along with reduced state- and federal support for the University and associated research groups, we have included in this report exactly who has benefitted from each of the accomplishments, in order to visualize which groups at MUSC and in the community the Center on Aging serves.

Values

The success of the Strategic Plan is directly dependent upon complete participation by all partners in terms of meeting the strategic goals. This is translated to a respect of the overall goals, completing assigned tasks on time, and collaborating towards the common goals of the Center. These values, including fiscal and social responsibility, as well as cultural competence, must be adopted by all participants in Center activities and involves an engagement in the mission of the Center and in implementation of strategic goals. It also means recognizing long-term benefits of participating versus short-term rewards. A meeting optimization strategy is employed in the Center management, leading to time-dependent task assignments and a specific business strategy that is uniform for all committees of the Center, leading to sustainability of Center programs. Participating in the Center activities means adopting this uniform strategy and understanding the process that will ultimately lead to a successful completion of our strategic plan.

Vision

To improve the quality of life for older adults through translational research and education of health professionals and the public.
FY11: Strategic Goal Progress Report

**GOAL 1:** To expand the national prominence of the established research program in aging with an emphasis on translational research ("bench-to-bedside-to-population")

**PROGRESS REPORT FOR GOAL 1:**

• Sponsored and helped to organize the annual **SC Aging Research Day**, together with Victor Hirth (USC), and Cheryl Dye (Clemson University). The conference was held February 4th at the Columbia Conference center and featured many excellent speakers and more than 150 registered participants. The overall goal of this conference is to bring together interprofessional disciplines around central questions related to aging. The overall theme of the conference was “Aging and Mobility” and Dr. Granholm was one of the plenary speakers. This benefits all departments of MUSC as well as other institutions in our state, and this is especially aligned with the interprofessional directive of MUSC.

• The Center on Aging participates actively in the **South Carolina Aging Research Network (SCARN)**. SCARN is a multi-institutional consortium consisting of several different geriatric disciplines working together to utilize researchers’ expertise and push forward a research agenda benefiting South Carolina seniors. There are two appointed SCARN members from MUSC, University Hospital, University of South Carolina, Clemson, Palmetto Health, and the Greenville Hospital System. The MUSC Center on Aging is a founding member of this state-wide research organization, and Rebekah Hardin (CoA Program Coordinator) has built and maintains the SCARN website (see www.scarn.org). This benefits all departments at MUSC, as well as other institutions in our state, and is directly in line with the MUSC Strategic directive Goal 1, Objective 2: “Develop opportunities within and outside the institution and create partnerships with others to establish IP/ID collaboration.”

• **International Fellowship Committee:** Dr. Granholm served as the Chair for an Institutional International Fellowship Committee, which awarded one postdoctoral fellow and one graduate student a 1-2 year complete fellowship at MUSC. This is aligned with the globalization directive of MUSC.

• **Invited speaker to MUSC:** The Center on Aging sponsored a Grand Rounds speaker, Dr. Gary Small, Professor of Psychiatry and Biobehavioral Sciences and Parlow-Solomon Professor on Aging at the David Geffen School of Medicine at UCLA. Dr. Small is a world renowned Psychiatrist and author, who has written the book “The Memory Bible” among many other publications. His visit benefited many departments at MUSC, as he spent time with many students, fellows, and faculty during his visit to MUSC.

• **National speaker:** Dr. Granholm has given several plenary talks on aging research. In August, 2010, she was invited as a panelist and plenary speaker to a workshop “Sensory and Motor Dysfunction in Aging and Alzheimer’s Disease”, NIH Campus, which was hosted by the National Institutes on Aging. She has also given talks at Marquette University and at the Winter Brain Conference in Colorado. Speaking at NIH workshops and other Universities benefits MUSC as a whole, since it increases visibility of our University.
Continued PROGRESS REPORT FOR GOAL 1:

- Dr. Granholm continues to serve on the American Federation of Aging Research (AFAR) National Research Council as a member and grant reviewer for junior faculty and fellows. This benefits all junior faculty at MUSC as well as enhances visibility of MUSC from a national standpoint.

- **Publications:** Dr. Granholm was invited to submit several comments and reviews during the current year regarding age-related research, these are listed below. These review articles and commentaries have an average impact factor of 8.4. Publishing in high impact factor journals enhances the standing of MUSC programs nationally and therefore benefits all departments and colleges.


FY11: Strategic Goal Progress Report (cont’d.)
Continued PROGRESS REPORT FOR GOAL 1:

- **Mentoring faculty, fellows and students:** One of the major functions of the Center on Aging is to provide guidance regarding grant submission, but also research projects and career development. Dr. Granholm spends a fair amount of time (approximately 15%) towards this important goal, which benefits many departments and several colleges at MUSC. A list of mentored faculty and outcomes is provided below:

  - **Crystal Flynn-Longmire,** Assistant Research Professor (Alzheimer program and BIRWCH awardee). The mentorship has resulted in several grant applications, to AFAR and to the Alzheimer Association

  - **Mona Buhusi,** Assistant Professor (Dept. Neuroscience): Mentorship has resulted in a funded R21 from NIA and several submitted applications

  - **Baerbel Rohrer,** Professor (Dept. Ophthalmology and Neuroscience). Mentorship has resulted in a funded RO1 and Core directorship in a program project grant

  - **Thung Lai,** fellow (Hematology and Oncology; Dept. Medicine COM). Mentorship has resulted in several R21 and Michael J Fox applications

  - **Jin Song,** fellow (Division of Basic Sciences / Biochemistry & Molecular Biology, Hollings Cancer Center). Mentorship has resulted in a collaboration, including AFAR fellowship application and a planned R21 application

  - **Tasos Karakostas,** Assistant Professor (College of Health Professions). Mentorship resulted in a scored K23 application, but the faculty member opted to move to another University

  - **Tanya Turan,** Assistant Professor (Stroke Program). Collaboration with Dr. Turan has resulted in a funded K23 grant from the NIA for her, and inclusion of the brain bank in that grant

- **Grant activity: (see Table 1)** Grant income benefits the Provost's office (IDC income), the COM Dean's office (IDC income), and the Department of Neuroscience (IDC income and salary support for faculty, staff, and students)

<table>
<thead>
<tr>
<th>Date</th>
<th>Grant Agency</th>
<th>Topic</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2010</td>
<td>Program project grant to NIA</td>
<td>Aging and dopamine</td>
<td>not funded (17 percentile)</td>
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<tr>
<td>Oct 2010</td>
<td>RO1 and R21 to NINDS</td>
<td>Aging and dopamine</td>
<td>to be resubmitted</td>
</tr>
<tr>
<td>Nov 2010</td>
<td>NICHD/NIA</td>
<td>Alzheimer and Down syndrome</td>
<td>31 percentile (to be resubmitted)</td>
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<tr>
<td>Dec 2010</td>
<td>RO1 to NCCAM</td>
<td>Aging, High-fat diets and Cognitive impairment</td>
<td>To be reviewed</td>
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<tr>
<td>Dec 2010</td>
<td>American Federation of Aging Research</td>
<td>BIG Award; High-fat diets and cognitive impairment in aging</td>
<td>To be reviewed</td>
</tr>
<tr>
<td>April 2011</td>
<td>Michael J Fox Foundation</td>
<td>Drug discovery in PD</td>
<td>In submission</td>
</tr>
<tr>
<td>May 2011</td>
<td>Udall Translational Center to NINDS</td>
<td>Cognitive Impairment in PD</td>
<td>Center on Aging staff are assisting in submission</td>
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</table>
GOAL 2: To develop a comprehensive and coordinated health care delivery system for older individuals in South Carolina.

PROGRESS REPORT FOR GOAL 2:

- Collaborated with investigators in Neuroscience, Otolaryngology, Radiology, and the Movement Disorders Program to implement a translational research program on Parkinson’s disease. The program includes clinical treatment of Parkinson’s disease; specifically cognitive impairment, fMRI studies on PD patients, as well as drug development and animal studies using relevant models. This benefits the Departments listed above as well as patient groups in SC.
- Dr. Granholm participates on the board of the CoEE “Senior Smart”, and has helped in the design and business plan development of this CoEE from the start. The SeniorSMART Center of Economic Excellence (CoEE) is focused on three key areas: SmartHOME, SmartWHEELS and SmartBRAIN. In 2008, the University of South Carolina (USC), Palmetto Health, and Lutheran Homes of South Carolina signed a memorandum of understanding with the Fraunhofer Institute for Software Engineering and the University of Kaiserlautern in Germany to conduct research that may result in technology that supports independent living for senior citizens. The Fraunhofer Institute, based in Germany, is a global translational research organization known for creating the technology used in MP3 players. SeniorSMART research offers a wealth of opportunities to potential partners and investors interested in emerging technology designed to preserve older adult independence. Through its close collaboration with the German organization, this CoEE responds directly to three of the new MUSC Strategic objectives: Technology/Innovation, Entrepreneurialism, and Globalization. In addition, because this statewide research group is truly an interdisciplinary group, from social science to geriatrics to basic sciences at all three campuses, SeniorSMART is also aligned with the first strategic direction, Interprofessional/Interdisciplinary development.
- Dr. Granholm worked with clinicians in the Neurology, Neurosurgery, Pathology, and Intensive Care Units at MUSC to enhance knowledge and participation in the brain donation program at MUSC. Included in this is the formation of a brain bank oversight committee. The collaborative work of this committee has led to reduced fees for brain procurement as well as enhanced visibility of the MUSC Carroll A. Campbell Jr. Neuropathology Laboratory, resulting in 25 brains donated to date and nearly one hundred registered donors. This is in alignment with the Interdisciplinary strategic goal, and benefits the departments listed above, as well as SC residents and MUSC patients, since appropriate and detailed diagnosis of neurological disorders are produced by the brain bank.
- Formed collaborations with Penn Udall Center, and Rush Presbyterian/St Luke's Alzheimer Center in Chicago regarding translational studies on Parkinson’s disease and cognitive impairment. This collaboration will benefit the Movement Disorder Program at MUSC, as well as the Neuroscience Department and the brain bank.
- Dr. Granholm serves on the advisory board for Aging Q3, which is a resident training program at MUSC, funded by the Reynolds Foundation. Dr. Wiley, Director for the Senior Mentor Program, is one of the key faculty members for Aging Q3, allowing integration between medical students and residents training on geriatric issues at MUSC.
GOAL 3: To provide health promotion, education, and outreach in aging for faculty and students at MUSC, as well as for all health care and social services providers and residents of South Carolina.

PROGRESS REPORT FOR GOAL 3:

Education

- **Senior Mentor Program** - The Center on Aging provides ongoing financial program support of the Senior Mentor Program. Additionally, when speaking to healthcare professional groups, caregivers, etc. the Center aids in the volunteer recruitment and promotion of the program. *This program benefits and serves many of the community programs that we are partnering with, and this is aligned with the Globalization directive of MUSC.*

- Our long-term goal in the Center on Aging is to connect all health professionals around the general topic of geriatrics and gerontology. An important step in this direction was the **integration between College of Pharmacy and Medicine** for the Senior Mentor Program, beginning in the Spring 2011 semester. Medical and Pharmacy students visit their senior mentors together and collaborate on generating a report related to polypharmacy and aging. *This important milestone in our program development fits with MUSC Strategic Goal 1, Objective 1: “Foster existing initiatives and develop new opportunities that encourage interprofessional/interdisciplinary integration and experiences.”*

- Dr. Granholm lectured the 1st year medical students on the Physiology of Aging and attended the orientation luncheon to give opening remarks. *This benefits the COM students and Senior Mentors.*

- Center on Aging Faculty and Staff (Granholm, Wiley, Buhusi, Boger, and Hardin) graded geriatric assignments (4 years, 175 students per year).

*All above listed activities benefit the College of Medicine, the Medical School Curriculum Committee, medical students and Senior Mentors in the community*

- Dr. Granholm teaches approximately 10 lectures per year to graduate and medical students on aging and age-related diseases. *This benefits both the graduate school and COM.*
Continued PROGRESS REPORT FOR GOAL 3:

Community Outreach

- **June 3, 2010** - We assisted in organizing a community awareness event for Alzheimer’s disease at the Charleston Place with speakers Brooke Hallman and Carroll Campbell Jr. (200 attendees).

- **June 9, 2010** - Dr. Granholm spoke at Somerby, an assisted living facility, to residents, their families, and caregivers about healthy brain aging and aging related programs at MUSC.

- **August 13, 2010** - Rebekah Hardin spoke to the Lt. Governor’s Office on Aging staff at their monthly staff meeting about MUSC aging related programs and initiatives.

- **August 26, 2010** - Dr. Granholm spoke at Ashley River Plantation, an assisted living facility, on healthy brain aging and related aging programs at MUSC. This specifically targeted residents and their family members.

- **September 24, 2010** - We were exhibitors at the Franke Health Fair in North Charleston for seniors to promote aging activities/programs at MUSC.

- **October 11, 2010** - We were invited by the Lt. Governor’s Office on Aging to attend a senior forum at the Mount Pleasant Senior Center.

- **October 22, 2010** - The Center supported the 2010 Alzheimer’s Association Memory Walk as a sponsor and attendee.

- **January 8, 2011** - Rebekah Hardin served on the committee for the ITN (Independent Transportation Network) Run/Walk for Rides through the SC Aging in Place Coalition. Money was raised to provide dignified transportation for seniors in Charleston. Ms. Hardin and Kelly Dillon promoted this event and volunteered at the race the day of the event.

- **February 10, 2011** - The Center exhibited at the Alzheimer’s Association (State Chapter) Welcome Wagon Conference in Columbia, SC to promote aging programs at MUSC. This conference specifically targeted caregivers statewide.

- **February 22, 2011** - We assisted in hosting the Seabrook Natural History Group for a tour at MUSC.

- **February - March 2011** - Dr. Granholm, Dr. Boger, and their graduate students visited several area schools, including School of the Arts, Porter Gaud, and James Island Charter High school as part of the annual Brain Awareness Month. The ages ranged from 5th to 12th grade students, and included healthy diet and exercise, drug effects on the brain, as well as a presentation of the human brain and spinal cord.

- **March 14, 2011** - Dr. Granholm spoke to a group of residents at Horizon Bay Assisted Living in West Ashley on healthy brain aging and related programs at MUSC.

- **2010-2011** - Rebekah Hardin meets with Lt Governor’s Office on Aging every 3-4 months to speak to their staff and update them on our Center and other aging programs. Recently she met one on one with the new Director of Communications, Julie Foster.

*All of the bullets below benefit MUSC as a whole and our community including senior centers and schools, and is therefore aligned with the Globalization directive of the MUSC Strategic Plan.*
FY11: Strategic Goal Progress Report (cont’d.)

Continued PROGRESS REPORT FOR GOAL 3:

Committees & Groups

- **End of Life Coalition** - This coalition was started in July 2010 for all those involved in end of life care. We were asked to help start this and serve as a committee member.

- **SC Aging in Place Coalition** - Rebekah Hardin is a member of this coalition and attends quarterly meetings. She also serves on the outreach committee. This benefits the community, aging related MUSC programs, and MUSC as a whole.

- **SCARN (South Carolina Aging Research Network)** - Rebekah Hardin and Dr. Granholm attend quarterly meetings for collaboration and promotion of statewide aging related projects. Rebekah Hardin developed and maintains the SCARN website (www.scarn.org). This benefits South Carolina and MUSC so that we are not duplicating services but rather working collectively in SC towards similar goals.

- **MUSC Brain Bank Committee** - The Center on Aging organized the Brain Bank committee in 2010. This committee brings together researchers and clinicians in various aging related fields and meets quarterly to discuss collaborations, progress, and common grant applications. This benefits numerous departments interested in human brain research or related research, as well as South Carolina as a whole, and is therefore aligned with the Interprofessional directive of MUSC.

- **Charles & Dianne Barmore Fund** - The Center on Aging and the Movement Disorders Program organized the Barmore Committee. A request for applications (RFA) was sent out in October 2010 and the committee voted on aging related grant proposals to fund with the Barmore family donation. This resulted in the funding of 4 junior faculty or postdoctoral fellows, as well as funding for the Brain Bank and the Movement Disorders clinical fellow. This benefitted the Department of Neuroscience, both clinical and preclinical fellows and junior faculty.

We are pleased to recognize Center on Aging Executive Committee Member, Dr. Elaine Amella, Professor, College of Nursing, has received the Teaching Excellence Award – Academic Scholarship in the Educator Mentor category from the MUSC Health Sciences Foundation for her mentorship of interprofessional students and junior faculty at MUSC and post-doctoral students at other universities.
Continued PROGRESS REPORT FOR GOAL 3:

Committees & Groups - Members Added to the Center on Aging Executive Committee

**Dr. Fatima Falangola** is an Assistant Professor of Radiology at the Medical University of South Carolina. She joined the Radiology faculty in August 2010. Dr. Falangola’s primary background is in neuropathology, but she has been working in neuroimaging for several years. Her research aims to understand the morphological and bio-physiological basis behind MR quantitative measures (relaxation and diffusion measures), to determine its clinical relevance, and to establish an approach to correlate MRI quantitative parameters and morphological parameters, and applying this approach to study different central nervous system diseases. She is currently studying human brain plasticity secondary to cognitive/motor interventions in those at risk for developing dementia and AD. She has submitted a proposal to the Alzheimer Association to study effects of cognitive training on cognitive performance in mild cognitive impairment (MCI) subjects. She will also submit a NIH/NIA proposal to study neuroimaging biomarkers of brain plasticity this coming June NIH cycle.

Alzheimer’s Disease (NPSASAD)
M.F Falangola (PI)  8/1/2011 - 7/31/2014
“Neuroimaging Assessment of Cognitive Training in MCI patients”
The main goal of this project is to investigate the effect of short-term computer-based cognitive training on brain microstructure and connectivity and its impact on cognitive performance in aMCI, aiming to identify neuroprotective factors to prevent cognitive decline and dementia in these subjects.

June, 2011
NIH/NIA – R21/R33 – Neuroimaging Biomarkers of Brain Plasticity - in response to PAR-11-177

**Dr. Tanya N. Turan** is a fellowship-trained vascular neurologist and clinical researcher. In 2008 she joined the faculty at the Medical University of South Carolina in Charleston as an Assistant Professor of Neurology. She specializes in cerebrovascular disease (stroke). Her research focuses on a specific cause of stroke called intracranial atherosclerosis, which is the most common cause of stroke worldwide. Her current projects investigate the pathophysiology of intracranial atherosclerosis (MeCCA and CHIASM) and new treatments for this disease.

Characterization of Intracranial Atherosclerotic Stenosis using High Resolution MRI (CHIASM) is focused on developing an in-vivo magnetic resonance imaging (MRI) technique to identify and quantify plaque components in intracranial atherosclerosis and was recently funded by the NIH. She is also working on a pilot project focused on understanding the pathophysiology of intracranial stenosis from a metabolic standpoint that studies the impact of post-prandial oxidative stress in patients with intracranial stenosis entitled “Metabolic Changes in Cerebral Atherosclerosis (MeCCA)”. Dr. Turan also serves as the Director of Risk Factor Management for the NIH-funded multi-center randomized trial “Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS)” that compares two new treatments (aggressive medical management and stenting) for stroke prevention in this disease.

Turan (PI) 2011 – 2016      NIH/NINDS K23 Award
“Characterization of Intracranial Atherosclerotic Stenosis using High-Resolution MRI (CHIASM)”
CHIASM is a single-center pilot study which aims to refine a protocol using high resolution magnetic resonance imaging (HR MRI) for detecting plaque features in patients with intracranial arterial stenosis.

Chimowitz (PI) 2008 – 2013      NIH/NINDS U01
“Stenting and Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) trial”
A randomized multicenter clinical trial comparing stenting and aggressive medical management vs. aggressive medical management alone for patients with intracranial stenosis.

Turan (PI) 2007-2009     AAN Foundation, Clinical Research Training Fellowship
“Metabolic Changes in Cerebral Atherosclerosis (MeCCA)”
MeCCA is a single-center pilot study which aims to understand the pathophysiology of intracranial stenosis from a metabolic standpoint by studying the impact of post-prandial oxidative stress in patients with intracranial stenosis.
Continued PROGRESS REPORT FOR GOAL 3:

Members Added to the Center on Aging Executive Committee (cont’d)

Jane G. Anderson MSN, RN, BC, GCNS teaches in the BSN program at MUSC incorporating geriatric focus topics in nursing education. Prior to teaching, worked as a geriatric Clinical Nurse Specialist in an acute geriatric unit implementing the concepts of an ACE unit (Acute Care of the Elderly)


Members Added to the Center on Aging Internal Review Committee

Laura Stefanelli, Executive Director
Respite Care Ministries
Services and support for those affected by Alzheimer's disease and all other dementia

Charles and Dianne Barmore, Community Members of the Internal Review Committee
Active supporters of aging related programs at MUSC and advocates for Parkinson's disease research

Donor Relations

- Sally Smith is a long time partner and supporter of the Center on Aging. Center on Aging faculty and staff meet with her at least twice a year to update her on aging related programs and discuss ways we can collaborate to promote these programs. Currently, we are working with Mrs. Smith on a fund raising project for the Center on Aging and Brain Bank targeting those that have purchased her book, The Circle.

- Charles and Dianne Barmore have generously given to aging related programs at MUSC. Dr. Granholm meets periodically with the Barmore family to update them on MUSC aging research/progress and also spoke this year in the Barmore's hometown of Fair Play, SC about aging and the brain (over 50 attendees). They have also been voted as new members of the Internal Review Committee.
Elaine Amella Ph.D., GNP-BC, FAAN

Dr. Amella is a Visiting Professor at the University of Sheffield, School of Nursing and Midwifery (UK) until 2013. There she collaborates with Dr. Roger Watson on issues related to eating and dementia.

She serves in a leadership capacity on two international journals - Assistant Editor for North America, The Journal of Clinical Nursing (U.K.), and the Editorial Board, The Journal of Nutrition, Health and Aging (France)

Dr. Amella continues to work with Dr. Angela Fraser, Associate Professor in the Food Sciences Department of Clemson University on nutritional health of older adults living in rural areas of the state. Drs. Amella and Fraser received funding from the USDA to initially support a 22-site cluster randomized study of nutrition and food safety in congregate meal sites; this year they received further USDA funding to do a train-the-trainer project with AARP chapters to further disseminate these classes.

Dr. Elaine Amella also attends the Aging in Place Coalition and is a member of their Speaker’s Bureau. Additionally, with Respite Care Ministries, she received funding from the SCTR and the Center for Community Health Partnerships to pilot a train-the-trainer program for staff and family caregivers of respite participants with dementia to help redesign meals to facilitate independence and maintain nutritional status.

Dr. Amella presents a lecture to the Family and Adult Nurse Practitioners attending the MUSC College of Nursing regarding assessment of the older adult.

Barbara J. Edlund PhD, RN, ANP, BC

Dr. Edlund is serving as the 2011 Chair of the Board of Directors for Respite Care Ministries of Charleston.

Publications:


Regional Presentation:

Because Dr. Granholm will spend approximately 4 months next fiscal year in Sweden, on a part-time sabbatical with the Karolinska Institute Alzheimer group, Dr. David Bachman has agreed to serve as the Acting Director for the Center on Aging. Dr. Granholm and Dr. Bachman will work together to ensure that the strategic goals are met, and will also start to outline a continuation of the rolling Center on Aging business plan, to be completed for the next 5 years in the spring of 2012.

Based on our strategic goals listed above, and current needs in the community and at MUSC, we have formulated the following strategic objectives for the next fiscal year. These have been divided into the four different directions of the new MUSC Strategic plan, to demonstrate our continued effort and alignment with the overall MUSC goals.

Dr. Bachman attended Cornell University as an undergraduate. He then returned to Atlanta to attend medical school at Emory University. Dr. Bachman remained at Emory for two years of residency training in Internal Medicine and three additional years of training in Neurology. He then completed a fellowship in Behavioral Neurology at Boston University. Dr. Bachman remained in Boston on faculty at Boston University until 1989 when he moved to Charleston. He has held a number of positions since coming to Charleston including Co-Director of the Alzheimer Research and Clinical Program, Associate Chief of Staff for Geriatrics at the Charleston VA, and Director of the division of Neurology within the Department of Neurosciences.
Interprofessional & Interdisciplinary

- Continue to provide leadership and participation in the state-wide South Carolina Aging Research Network (SCARN). This is an inter-disciplinary research group working on common protocols, policy, and funded projects on aging throughout our state.

- The Center on Aging has many affiliated faculty members in different research fields related to aging. Via an electronic grant support mechanism, we will provide expert and personal help with grant applications and fellowships. **This objective will be available for all colleges and departments at MUSC, related to healthy aging or age-related disease, and thus a benefit to all health professionals.**

- Design and distribute a quarterly internal newsletter to facilitate communication of aging related research, funding, and collaborations within MUSC amongst all of the colleges. **This will contribute to the promotion of interprofessional endeavors.**

- Organize and support an annual Aging Research Day conference to be held at MUSC, Clemson, and USC at subsequent years. The next Aging Research Day will be held March 9, 2012 and has the overall topic, “From Cell to Society.” More than 150 participants attended the 2011 conference. The overall goal of the Aging Research Day is to mingle all health professionals around a central topic, and create cross-disciplinary research collaborations in South Carolina. This conference has been valuable for this purpose, resulting in SCARN (see above), as well as many other collaborative endeavors across hospitals and universities in SC. **This benefits those involved and interested in aging research (healthcare professionals and non-health care professionals) in South Carolina.**

- Provide funding for a Grand Rounds speaker in the field of aging-related research.

- Work with the Senior Mentor Program to expand and seek grant funding for the Interprofessional aspects of the program. This includes pharmacy-medicine co-teaching as well as expanding to other disciplines.

Technology, Innovation, & Entrepreneurialism

- Continue to work with USC and Clemson on the Senior Smart CoEE, to develop and disseminate novel technology for enhancing independence of South Carolina seniors. Included in this project is the plan to develop a CoEE contingency at MUSC, with the overall topic Longevity Clinic and Research Program. **This technology development program benefits all seniors in South Carolina, as well as the HSSC institutions and start-up technology companies in South Carolina.**

- Submit and receive grant and development funding for the Brain Bank. This benefits the brain bank as well as other programs/centers using its services.

- Develop and implement a contract with Life Point for the brain donation program at MUSC.
Globalization

- Community Outreach- Speaking engagements in the community (1-2 per quarter). This includes healthcare professional groups, assisted living facilities, etc. **This benefits our community and enhances MUSC relationships with other organizations or individuals.**

- Establishing an active collaboration with the Alzheimer’s research group at the Karolinska Institutet in Stockholm, Sweden. This is an excellent research program, as well as the institution where the Nobel prize in Medicine is decided. Having the Karolinska Institute as an active research partner will enhance our Neuroscience program here at MUSC. **This project fits well with the MUSC Globalization direction.**

- Assist community aging related partners (Alzheimer’s Association, Trident Area Agency on Aging, SC Aging in Place Coalition, etc) in services they need and are lacking- creating marketing materials, partnering on grants, participating in health screenings/fairs, etc. We will work with community partners on 3-4 projects. **This also benefits MUSC’s relationship with the community.**

- Continue to work with the Senior Mentor Program to recruit senior mentors and create awareness for this program in the community. **This benefits the senior community and the COM.**

- Continue to help in the administration of the Barmore Foundation. **This benefits the Movement Disorders program, the Brain bank, and junior faculty members and fellows at MUSC, due to the pilot grant RFA, and enhances recruitment of faculty and fellows to MUSC from other institutions.**

- Assist the Brain Bank in fund raising, administration, and organization of the registry and the brain bank database, and administration of the Brain Bank Oversight Committee. **This includes contacting community leaders, attending community organizational meetings, and working with nursing, physicians, end of life practitioners, ministers, and others regarding brain donation issues.**

- Continue to mentor fellows and faculty members from all colleges.
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