



The Center for Nursing Research Newsletter

The UAB School of Nursing

January 2009

Announcements

Sparkman Center for Global Health presents
Dr. Jean Yan
Chief Scientist for Nursing and Midwifery,
World Health Organization
January 6, 2008
12:00-1:15
School of Nursing
Room GO24

Donna Brown Banton Endowed Professor Lecture
Dr. Pat Patrician
January 27, 2008
3:00-4:15
CNR Room GO20
RSVP to
Angel Bailey
934-0614

CEs WILL BE OFFERED!

CNR Mission Statement

As a Center for Nursing Research in a Research I University, the mission of the CNR is to initiate, innovate, facilitate and support the development, implementation & evaluation of nursing & healthcare research that can improve the health, well-being and quality of life of individuals, families and communities.



Pat Patrician, PhD, RN

Donna Brown Banton Endowed Professor

The UAB School of Nursing and the Center for Nursing Research are pleased to announce that Pat Patrician, PhD, RN,



the Donna Brown Banton Endowed Professor in Nursing, will be presenting a talk titled "Measuring the effects of staffing on patient outcomes: The Military Nursing Outcomes Database (MiNOD) Project."

Dr. Patrician is a nationally recognized nursing leader in nursing practice and outcomes, and in improving the

nursing workforce environment. She has recently joined the UAB SON faculty in August 2008.

Dr. Patrician's talk is scheduled for Tuesday, January 27, at 3:00 pm in the CNR room GO20, light refreshments will be served. If you would like to attend, please R.S.V.P. by Thursday, January 22, to Angel Bailey by email (angelh@uab.edu) or phone (205-934-0614).

Donna Brown Banton Endowed Professorship in Nursing

The professorship was made possible by a generous gift from Mr. Julian W. Banton to honor the memory of his late wife, Donna Brown Banton. The endowed professorship promotes nursing education and quality patient care, and is given to a senior faculty member with academic excellence and visionary guidance in leading nurses as they prepare to enter professional practice.

From the Desk of Karen Meneses

With the new year upon us, let's take a moment to celebrate all that we have accomplished in 2008, reflect and grow from those experiences, and look forward to the challenges and rewards in 2009. All that we have and will accomplish has been through our collaborative efforts. The CNR is commit-

ted working with you to help achieve your research and scholarship goals. May you be successful in your endeavors, and may you reap rewards throughout 2009.



Karen Meneses

WHO Scholars? These Scholars



Congratulations to the first SON faculty appointed as Pan-American Health Organization/World Health Organization (PAHO/WHO) Scholars in recognition of their outstanding contributions to the work of our WHO Collaborating Center for International Nursing. Dr.

Carol Dashiff and Dr. Ellen Buckner have been appointed as Senior Scholars. Dr. Susan Appel and Dr. Lygia Holcomb have been appointed as Scholars, and Dr. Karen Saenz and D'Ann Somerall have been appointed as Associate Scholars.

Faculty who are engaged in work that supports our global health initiatives are encouraged to consider submitting an application for an appointment to recognize their contributions to the PAHO/WHO Collaborating Center. For a copy of the guidelines for these appointments, please contact Lynda Law Wilson, RN, PhD, FAAN, Professor, Assistant Dean for International Affairs and Deputy Director, WHO/PAHO Collaborating Center on International Nursing



Need a Scientific Poster Printed?

Quick, reliable, and affordable printing is available on-campus through the Integrative Biomedical Sciences Program. Call Randy Seay @ 934-7810.

SON Templates are available on the R Drive in the "Posters" folder. Need more help? Call Lauren Antia @ 934-2145

Andres Azuero's Stats Corner

A note on power calculations...

The power of a statistical test is the probability of rejecting a null hypothesis (for instance, of no treatment effect) when the alternative is true (e.g.; the treatment actually works). More often than not, the sample size for a study is restricted by a budget. In such cases, power calculations at the design stage of a study provide crucial information regarding the magnitude of the effects that investigators can expect to detect if present. Often times, a calculation under simplified assumptions is sufficient. Standard software is readily available for a variety of simple statistical models. More complex designs may require even simulations.

Assuming a fixed sample size constrained by a budget, a few items are needed for quick calculations of detectable differences between two groups (treatment vs. control, exposed vs. non-exposed, or younger vs. older, etc.). The first thing needed is to define a primary outcome of interest. Usually continuous or binary outcomes are selected. Second, an attrition rate is needed in order to calculate the effective sample size.

The third item needed is the proportion of participants in each group, or the "allocation ratio." The combination that achieves greatest power is equal numbers in each group, which is standard practice in experimental trials but not necessarily possible in observational studies. For continuous outcomes, an estimate of standard deviation is needed. For binary outcomes, a reference proportion is needed. With this information in hand, power and significance are set at the traditional levels of 0.8 and 0.05, and an estimate of detectable difference can be rapidly calculated. More complex designs such as repeated measures models or group-randomized trials require a little more information.

Remember that as part of its mission the CNR offers statistical consulting services such as power and sample size calculations for grant proposals and manuscripts.

Recent Grant Submissions

October 2008

Anne W. Alexandrov, Principal Investigator

(R01) National Institutes of Health (NIH).

Perfusion Augmentation Using Mechanical Counter-Pulsation (PUMP).

Andrei Alexandrov (Co-Investigator), Robert Bourge (Co-Investigator), George Howard (Co-Investigator/Statistician).

June Cho, Principal Investigator

Center for Clinical and Translational Science Research Intramural Program (CCTS).

Association of Perinatal Serum Testosterone with Neonatal Health and Growth Outcomes.

Kenneth McCormick (Co-Investigator), Waldemar Carlo (Co-Investigator).

Gail Hill, Project Director

Health Resources & Services Administration (HRSA).

Advanced Education Nurse Traineeship Program.

David Vance, Principal Investigator

Center for Clinical and Translational Science Research Intramural Program (CCTS).

Improving Cognitive Speed of Processing in Adults Aging with HIV.

November 2008

Carol Dashiff, Principal Investigator

(R21) National Institutes of Health (NIH).

Multifamily Group Autonomy Support Psychoeducation for Parents and Middle Adolescents with Type 1 Diabetes.

Hussein Abdullatif (Co-Investigator), Elaine Moreland (Co-Investigator), **David Vance** (Co-Investigator),

Andres Azuero (Co-Investigator/Statistician).

Lynda Wilson, Principal Investigator

(R21) National Institutes of Health (NIH).

Culturally Adapted Intervention for Rural Immigrant Latino Parents and Teens.

Carol Dashiff (Co-Investigator), **Andes Azuero** (Co-Investigator/Statistician).

December 2008

Pat Patrician, Principal Investigator

Robert Wood Johnson Foundation (RWJF).

Further Exploration of Nurse Staffing-Outcomes Relationships.

Jeroan Allison (Co-Investigator), Sharina Person (Co-Investigator/Statistician).

Susan Appel, Project Director

Health Resources and Services Administration (HRSA).

Culturally Competent, Distance Accessible Acute and Continuing Care Nurse Practitioner with Advanced Diabetes Management Program.

Annette Wright (Faculty), **Dan Murphy** (Instructional Design Manager), Amparo Gonzalez (Consultant), Laura Gonzalez (Consultant).

Kathleen Ladner, Project Director

Health Resources and Services Administration (HRSA).

Culturally Competent Alabama Clinical Nurse Leaders Program.

Angela Jukkala (Faculty), **Dan Murphy** (Instructional Design Manager), **Judy Holcombe** (Program Evaluator), **Glenda Smith** (Faculty), Kathryn Reid (Consultant), James Harris (Consultant).

Pamela Fordham, Project Director

Health Resources and Services Administration (HRSA).

A Culturally Competent Distance Accessible Advanced HIV/AIDS Care Post-MSN Program.

Linda Moneyham (Faculty), James Raper (Faculty), Demetrius Porche (Consultant).

Gail Hill, Project Director

Health Resources and Services Administration (HRSA).

Dual Adult/Women's Health Nurse Practitioner Online Program.

D'Ann Somerall (Faculty), **Dan Murphy** (Instructional Design Manager), Diane Billings (Consultant), Sarah Freeman (Consultant).

Karen Meneses & Patrick McNees, Principal Investigators

(P30): National Institutes of Health.

UAB, Joint Center for Intervention Research: Health Promotion/Disease Prevention Research.

Patrick McNees (Intervention Development and Sustainability, Director), **Jacqueline Moss** (Informatics and Communication Core Director), **Andres Azuero**

(Intervention Development and Sustainability Core Co-Director), Eric Jack (Associate Director, Intervention Development and Sustainability Core),

Jamy Ard (Research Project #1, Director), **Karen Saenz** (Research Project #1, Co-Investigator), **Linda**

Moneyham (Research Project #2, Director), **Susan Appel** (Research Project #2, Co-Investigator),

Nefertiti Durant (Research Project #2, Co-Investigator), Mirjam-Colette Kempf (Research Project #2, Co-Investigator),

Michelle Martin (Research Project #3, Director), Maria Pisu (Research Project #3, Co-Investigator).

Getting to Know-Assistant Professor Karen Heaton, PhD,FNP-BC

Where did you go to school? Proud alumna of UAB (BSN 1981); University of Louisville (MSN 1990); and University of Kentucky (PhD 2007).



Where are you from? I grew up in rural south Alabama. My parents now live in a house visited by Gregory Peck during the filming of *To Kill a Mockingbird*.

Have you had any other encounters with celebrities?

I had the opportunity to meet Robert

Jarvik, inventor of the Jarvik Artificial Heart. The most famous person I didn't meet was Robert Redford. I was on an elevator with him and didn't realize who he was!

Do you have any pets? Two dogs; Greta and Diesel, and two cats; Sadie and Herschel.

Who has had the most influence in your life? My grandparents, John and Inez Hardee, were most influential in my life. They were the richest poor people I've ever known. Both were rich in love and loyalty for family, with compassion for folks who were castaways, and with commitment to their beliefs.

Can you recommend any good books?

I highly recommend *Loving Frank*, a novel based on facts about Frank Lloyd Wright.

Do you have any hobbies? I enjoy needlework, playing the piano, and plundering antique malls.

Where is your favorite UAB lunch spot? Newk's

Any last thoughts?

I'm very happy to be at UAB and look forward to meeting more of the faculty members and staff.

Recent Publications

Alexandrov, A.W., Garami, Z., Ribo, M., Sugg, R., Wong, K.S. Montgomery, B., Jesurum, J.T. & Alexandrov, A.V. (2008) Perfusion augmentation in acute stroke using Mechanical Counter-Pulsation. Phase IIa effect of external counterpulsation on middle cerebral artery mean flow velocity in five healthy subjects. *Stroke*, 39:2760-2764.

Appel, S.J. & Wright, M.A. (2009). Antidiabetic drugs In: Abrams, A.C., Pennington, S.S. & Lammon, C.B. (editors), *Clinical Drug Therapy: Rationales for nursing practice*, 9th ed. Philadelphia: Lippincott Williams & Wilkins.

Dashiff, C., Vance, D., Adullatif, H., & Wallander, J. (2008). Parenting, autonomy and self-care of adolescents with Type 1 diabetes. *Child: Care, Health and Development*, 35(1), 79-88.

Harrison, L. (2008). Strengthening global nursing and health care delivery. Nightingale Declaration website. (English with Spanish and Portuguese translations). http://www.nightingaledeclaration.net/index.php?option=com_content&task=view&id=212&Itemid=39

Hartley, S. M., **Vance, D.,** Elliott, T. E., Cuckler, J., & Bery, J. (2008). The role of hope and self-efficacy on functional recovery after

knee and hip replacement surgery. *Rehabilitation Psychology*, 53(4), 521-529.

Jones, E.J. & **Appel, S.J.** (2008). Type 2 diabetes: Fueling the surge of cardiovascular disease in women. *Nursing for Women's Health*, 12(6), 500-514.

Jones, C. T., **Harrison, L.,** Carter, S., & Jester, P. M. (2008). Education and training preferences of study coordinators. *Research Practitioner*, 9(6), 202-211.

Loerzel, V, **McNees, P.,** Powel, L., Su,X, **Meneses, K.** (2008) Quality of life in older women with early-stage breast cancer in the first year of survivorship. *Oncology Nursing Forum*, 35(6). 924-932.

Malvarez, S., **Harrison, L.,** Montenegro, G. (2008). La Red de la Enfermería en la Salud Infantil (Red ENSI). *Noticias Sobre Atención Integrada Enfermedades Prevalentes de la Infancia*, 13, 31-32. Pan American Health Organization.

Vance, D. (2008). Training the brain: Cognitive remediation therapy has applications for long-term care settings. *Advance for Directors in Rehabilitation*, 17(11), 33-34, 36.

Vance, D., Antia, L., Blanshan, S., Bodner, E., Heirs, K., Smith, B., & Struzick, T. (2008). A structural equation model of religious activities on biopsychosocial outcomes in adults with HIV. *Journal of Spirituality in Mental Health*, 10(4), 328-349.

Vance, D., Moneyham, L., & Farr, K. L. (2008). Neurological and cognitive considerations of suicidal ideation in adults aging with HIV. *Journal of Psychosocial Nursing and Mental Health Services*, 46(11), 33-38.

Vance, D., Moneyham, L., Fordham, P., & Struzick, T. C. (2008). A model of suicidal ideation in adults aging with HIV. *Journal of the Association of Nurses in AIDS Care*, 19(5), 375-384.

Vance, D., Ross, J. A., Long, C. A., & Griffin, K. J. (2008). The entangled concept of empowerment on HIV risk in African American women (pp. 49-62). In N. T. Lleweng & E. B. Parson (Eds.) *Female African Americans and Health Research*. New York: Nova Publishers.

Vance, D., Struzick, T. C., & Masten, J. (2008). Hardiness, successful aging, and HIV: Implications for social work. *Journal of Gerontological Social Work*, 51(3-4), 260-283.

CNR Services

Grant Preparation

Application preparation
Budget development
Institutional grant processing
Statistical consultation

Grant Management

Post award management
Hiring personnel
Budget forecasting

Editorial Services

Research grant review
Research manuscript review

CNR Services

Karen Meneses (menesesk@uab.edu)
Associate Dean for Research

Lauren Antia (lar@uab.edu)
Program Administrator II

Andres Azuero (andreo@uab.edu)
Assistant Professor-Center Statistician

Angel Bailey (angelh@uab.edu)
Administrative Associate

Trissi Gray (tsgrey@uab.edu)
Grant Program Manager

Published in-house, by the UAB CNR

<http://main.uab.edu/Sites/nursing/Research/>

Editor/Writer/Designer: Lauren Antia
Copy Editor: Luthien Baker

Contributions of news, announcements, and comments are welcomed and should be sent to the Editor. Extracts from the CNR News can not be reproduced without prior permission.

