
BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

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|---|------------------------------------|---------|----------------------|
| NAME Yucha, Carolyn | POSITION TITLE Professor & Dean | | |
| eRA COMMONS USER NAME | | | |
| EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i> | | | |
| INSTITUTION AND LOCATION | DEGREE <i>(if applicable)</i> | YEAR(s) | FIELD OF STUDY |
| State University of New York at Albany, NY | B.S. | 1972 | Nursing |
| State University of New York at Buffalo, NY | M.S.N. | 1977 | Adult Health Nursing |
| State University of New York, HSC, Syracuse, NY | Ph.D. | 1987 | Physiology |

A. Positions and Honors.

Positions and Employment

1973-1975 Research Nurse, Roswell Park Memorial Institute, Buffalo, NY
1977-1978 Head Nurse, ICU, Community General Hospital, Syracuse, NY
1978-1982 Assistant Professor, College of Nursing, Syracuse University, Syracuse, NY
1987-1988 Research Associate, Department of Pharmacology, State University of New York Health Science Center, Syracuse, NY
1988-1990 Assistant to the Director/Nurse Administrator, Clinical Research Center, and Research Assistant Professor, Department of Pharmacology, State University of New York Health Science Center, Syracuse, NY
1990-1996 Assistant Professor, School of Nursing, University of CO Health Sciences Center, Denver, CO
1996-1998 Associate Professor, School of Nursing, University of CO Health Sciences Center, Denver, CO
1999-2002 Associate Professor, College of Nursing, University of Florida, Gainesville, FL
1999-2004 Associate Dean for Research, College of Nursing, University of Florida, Gainesville, FL
2002-2004 Professor, College of Nursing, University of Florida, Gainesville, FL
2004-present Dean and Professor, School of Nursing, University of Nevada, Las Vegas, NV
2007-present Interim Dean, School of Allied Health Sciences, University of Nevada, Las Vegas, NV

Other Experience and Professional Memberships

1978-present Sigma Theta Tau, Nursing Honor Society, various leadership positions
1988-present American Nurses Association (Colorado, Florida, and Nevada State Associations)
2001-2004 Member, Association for Applied Psychophysiology and Biofeedback
1990-1999 Western Institute of Nursing
1999-2004 Southern Nursing Research Society
2003 National Institutes of Health Special Emphasis Panel Reviewer
2002-present Editor, Biological Research for Nursing

Honors

1997 University of Colorado Presidential Teaching Scholar
2002 Nursing Excellence Award in Research, Florida Nurses Association
2004 Fellow, American Academy of Nursing

B. Selected peer-reviewed publications (in chronological order).

1. Yucha CB. Use of microneurography to evaluate sympathetic activity in hypertension. Applied Psychophysiology and Biofeedback 2000;25;55-63.

2. Yucha CB. Ambulatory blood pressure monitoring: Measurement implications for research. *Journal of Nursing Measurement* 2001;9;49-59.
3. Yucha CB, Clark L, Smith M, Uris P, Lafleur B, Duval S. The effect of biofeedback in hypertension. *Applied Nursing Research* 2001;14;29-35.
4. Tsai P, Yucha CB. Noninvasive measurements of central arterial pressure and distensibility by arterial applanation tonometry with a generalized transfer function: Implications for research. *Heart & Lung* 2001;30;437-444.
5. Yucha CB. Problems inherent in assessing biofeedback efficacy studies. *Applied Psychophysiology and Biofeedback* 2002;27;99-106 & 113-114.
6. Yoon SL, Wolfe S, Yucha CB, Tsai P. Research support by doctoral-granting Colleges/Schools of Nursing. *Journal of Professional Nursing* 2002;18;16-21.
7. Tsai PS, Yucha CB, Sheffield D, Yang M. Effects of daily activities on ambulatory blood pressure during normal menstrual cycle in normotensive women. *Applied Psychophysiology and Biofeedback* 2003;28;25-36.
8. Tsai PS, Yucha CB, Nichols WW, Yarandi H. Hemodynamics and arterial properties in response to mental stress in individuals with mild hypertension. *Psychosomatic Medicine* 2003;65;613-619.
9. Foster RL, Yucha CB, Zuk J, Vojir CP. Physiologic correlates of comfort in healthy children. *Pain Management Nursing* 2003;4;23-30.
10. Yucha CB, Yang MCK, Tsai P, Calderon KS. Comparison of blood pressure measurement consistency using tonometric and automated oscillometric instruments. *Journal of Nursing Measurement* 2003;11;73-86.
11. Yucha CB. Renal regulation of acid-base balance. *Nephrology Nursing Journal (Continuing Education Offering)* 2004;3;201-07.
12. Guthrie D, Yucha CB. Urinary concentration and dilution. *Nephrology Nursing Journal, (Continuing Education Offering)* 2004;31;297-302.
13. Calderon KS, Yucha CB, Schaffer S. Obesity-related cardiovascular risk factors: Intervention recommendations to decrease adolescent obesity. *Journal of Pediatric Nursing* 2005;20;3-14.
14. Yucha CB, Tsai P, Calderon KS, Tian L. Biofeedback assisted relaxation training for essential hypertension: Who is most likely to benefit? *Journal of Cardiovascular Nursing* 2005;20;198-205.
15. Schaffer S, Yucha CB. Physiological wet laboratory facilities in colleges of nursing. *Biological Research for Nursing* 2005;7;130-134.
16. Yucha CB, Wiss M, Coleman BL. Finding reviewers electronically. *Biological Research for Nursing* 2005;6;165-166.
17. Karavidas MK, Tsai P, Yucha C, McGrady A, Lehrer PM. Thermal biofeedback for primary Raynaud's phenomenon: A review of the literature. *Applied Psychophysiology and Biofeedback* 2006;31;203-216.
18. Yucha CB, Bernhard B, Prato C. Physiological effects of gambling in women. *Applied Psychophysiology and Biofeedback* 2007;32;141-147.
19. Greenberger PA, Yucha CB, Janson S, Huss K. Utilizing rare diseases as models for biobehavioral research: Allergic Bronchopulmonary Aspergillosis. *Allergy & Asthma Proceedings* 2007;28;489-496.
20. Kneipp SM, Welch DP, Wood CE, Yucha CB, Yarandi H. Psychosocial and physiological stress among women leaving welfare. *Western Journal of Nursing Research* 2007;29;864-83.

C. Research Support .

Ongoing Research Support

None

Completed Research Support

UNLV Center of Excellence in Women's Health

3/1/05 - 2/28/06

Physiological Effects of Gambling in Women

The goal of this research was to describe the physiological effects of slot play in women with varying gambling addictions and to compare these effects when gambling for money and not for money.

Role: PI

P20 NR07791 Yucha (PI)

8/1/2001 - 7/31/2004

NIH/NINR

Biobehavioral Research Center (BRC)

The goal of the Biobehavioral Research Center is to provide the infrastructure for faculty to develop state-of-the-art interdisciplinary research that integrates biological and behavioral sciences.

Role: PI / Director

1 K01 NR007673-01 Webb (PI)

5/1/2001 - 4/30/2004

NIH/NINR

Modifying Stress in Hypertensive African American Women

The purpose of this study is to evaluate a nonpharmacological intervention to assist African American women in modifying their cognitive and behavioral responses to stress.

Role: Co-Sponsor

1 R15 NR07732-01A1 Kneipp (PI)

4/1/2002 - 3/31/2004

NIH/NINR

Stress and Health in Women Leaving Welfare

The specific aims of this research are (1) To compare a) psychosocial stress, b) neuroendocrine and cardiovascular indicators of stress, and c) health status in single-mothers before leaving welfare (Time 1) and 2 months after becoming employed (Time 2). (2) To determine the extent to which a change in psychosocial stress predicts a change in a) neuroendocrine and cardiovascular indicators of stress and b) health status from Time 1 to Time 2].

Role: Consultant