

## CURRICULUM VITAE

**Richard Neil Baumgartner, MA, PhD, FACE**

### PERSONAL INFORMATION

Office Address: 485 East Gray Street  
University of Louisville  
Louisville, KY 40202

Home Address: 4303 Hill Top Road  
Louisville, KY 40207

Date of Birth 11/29/1951

### EDUCATION

Institution	Field of Study	Degree	Date
Beloit College, Beloit, WI	Anthropology	B.A.	1973
Southern Illinois University	Biological Anthropology	M.A.	1976
University of Texas, School of Public Health at Houston	Epidemiology	Ph.D.	1982

### EMPLOYMENT

- 7/1/06 – present Chair, Department of Epidemiology and Population Health, School of Public Health and Information Science, University of Louisville, Louisville, KY
- 7/15/08 – 4/01/10 Acting Chair, Department of Bioinformatics and Biostatistics, School of Public Health and Information Science, University of Louisville, Louisville, KY
- 7/1/05 – present Professor and Distinguished University Scholar, Department of Epidemiology and Population Health, School of Public Health and Information Science, University of Louisville, Louisville, KY
- 1/1/03 – 6/39/05 Professor, Division of Epidemiology and Preventive Medicine, Department of Internal Medicine; Epidemiology and Cancer Control (EpiCC), Cancer Research and Treatment Center; Associate Director for Science, Institute for Public Health; and Director, Aging and Genetic Epidemiology University of New Mexico School of Medicine, Albuquerque, NM
- 9/1/02 – 1/1/03 Professor and Interim Chief, Division of Epidemiology and Preventive Medicine, Department of Internal Medicine; Epidemiology and Cancer Control (EpiCC), Cancer Research and Treatment Center; and Director, Aging and Genetic Epidemiology University of New Mexico School of Medicine, Albuquerque, NM
- 7/1/00 – 8/31/02 Professor (with tenure), Division of Epidemiology and Preventive Medicine, Department of Internal Medicine; Epidemiology and Cancer Control (EpiCC), Cancer Research and Treatment Center; and Director, Aging and Genetic Epidemiology Program (*formerly Clinical Nutrition Program*), University of New Mexico School of Medicine, Albuquerque, NM
- 1996 - 2000 Associate Professor (tenure track), Division of Epidemiology and Preventive Medicine, Department of Internal Medicine; Epidemiology and Cancer Control (EpiCC), Cancer Research and Treatment Center; and Co-Director, Clinical Nutrition Program, University of New Mexico School of Medicine, Albuquerque, NM

- 1991 -1995 Research Associate Professor, Department of Biochemistry, and Assistant Director, Clinical Nutrition Program, University of New Mexico School of Medicine, Albuquerque, NM
- 1988-1990 Research Associate Professor, Division of Human Biology, Departments of Community Health and Pediatrics, Wright State University School of Medicine, Dayton, OH.
- 1985 - 1988 Research Assistant Professor, Division of Human Biology, Department of Pediatrics, Wright State University School of Medicine, Dayton, OH
- 1981 - 1984 Research Specialist, Department of Biological Psychiatry, Texas Research Institute for Mental Science, Houston, TX

## PROFESSIONAL ASSOCIATIONS

Society for Epidemiologic Research  
 Fellow of the American College of Epidemiology (FACE)  
 ACE Publications Committee (2005-2006)  
 ACE Ethics Committee (2007-2010)  
 ACE Board of Directors (2011-2014)  
 Host, 2013 Meetings in Louisville, KY  
 Gerontological Society of America (former)  
 American College of Nutrition (former)  
 Obesity Society (former)

## PROFESSIONAL ACTIVITIES

### Manuscript reviewer:

- American Journal of Human Biology
- American Journal of Clinical Nutrition
- International Journal of Obesity
- Pediatric Research
- Obesity Research
- American Journal of Epidemiology
- Cancer, Epidemiology, Biomarkers and Prevention
- Annals of Epidemiology
- Journal of the National Cancer Institute
- Journal of Gerontology
- Journal of Applied Physiology
- Nutrition Research
- J American Geriatrics Society
- Metabolism

Editorial Board, Journals of Gerontology (2001-2009)

### Grant reviewer:

- National Science Foundation (1987-1988)
- National Institutes of Health, Nutrition Study Section Ad Hoc Reviewer 1991-1994
- National Institutes of Health, Geriatric and Rehabilitative Medicine Special Emphasis Panel Ad Hoc Reviewer, 1996
- National Institutes of Health, Special Emphasis Study Section: Obesity Research Centers Ad Hoc Reviewer, 1997
- National Institutes of Health, Epidemiology and Disease Control I Ad Hoc Reviewer, 1997-2000
- National Institutes of Health, Epidemiology of Chronic Disease Charter Member 2001-2004
- National Institutes of Health, Geriatric and Rehabilitative Medicine Special Emphasis Panel

- Ad Hoc Reviewer, 2005
- National Institutes of Health, Cardiovascular and Sleep Epidemiology Ad Hoc Reviewer, 2004 – 2006
- National Institutes on Aging, Contracts for Extension of Baltimore Longitudinal Study of Aging Ad Hoc Reviewer, 2007
- National Institutes of Health, Special Emphasis Study Section: Obesity Nutrition Research Centers Ad Hoc Reviewer, 2007
- National Institutes of Health, Cardiovascular and Sleep Epidemiology Charter Member 2007-2010
- National Institutes of Health, Special Emphasis Study Sections (various) Ad Hoc Reviewer, 2012-2019

Consultant:

- Endometrial Cancer Study, 1987-1990, National Cancer Institute.
- 65+ Rural Health Study, 1988, University of Iowa, National Institute on Aging.
- Modified Diet Renal Disease Study, 1988-91.
- Ethnicity and Obesity: New Body Composition Models, 1989-1994, St. Luke's - Roosevelt Hospital, NY, NY, S.B. Heymsfield (PI).
- Subcutaneous Fat, Blood Lipids, and Subsequent Outcome, 1993-1998, Wright State University, Dayton, OH, R. Siervogel (PI).
- Aging and Skeletal Muscle: New Body Composition Models, 1995-2000, St. Luke's - Roosevelt Hospital, NY, NY, S.B. Heymsfield (PI).
- Body Composition: Methods, Models and Clinical Application, 2001-2006, St. Luke's - Roosevelt Hospital, NY, NY, S.B. Heymsfield (PI).
- Older Americans Independence Center (Claude Pepper Center), 2001-2008, Wake Forest University, Winston-Salem, NC. S. Kritchevsky (PI).
- Older Americans Independence Center (Claude Pepper Center), 2005-2010, University of Texas Medical Branch at Galveston, J. Goodwin (PI).
- Center on Aging and Cancer, 2005-2009, University of Colorado, T Byers (PI).

**Internal Service**

University of Louisville

Faculty Forum, University of Louisville, Dept. Epidemiology 2005-2006  
 Concentration Coordinator, University of Louisville, Dept. Epidemiology 2005-2006  
 Chair, Curriculum Committee, University of Louisville, Dept. Epidemiology 2005-present  
 Chair, Department of Epidemiology and Population Health, 2006-present  
 Acting Chair, Department of Bioinformatics and Biostatistics, 2008-2010  
 Current: Accreditation Committee  
 Dean's Executive Committee  
 SPHIS Curriculum Committee  
 Academic Affairs Committee  
 Co-Chair, Search Committee, Dean of School of Interdisciplinary and Graduate Studies  
 SPHIS MPH Advisory Committee  
 SPHIS Executive Committee  
 SPHIS Research Committee  
 SPHIS Academic Affairs Committee

University of New Mexico

Interim Chief, Division of Epidemiology, UNM School of Medicine 2003-2005  
 Associate Director for Science, Institute for Public Health 2004-2005  
 Director, Aging and Genetic Epidemiology Program 2002 - 2005  
 Member, Human Research Review Committee, UNM IRB 1999-2004  
 Director, Clinical Nutrition Program, 1999 – 2001  
 Assistant-Director, Clinical Nutrition Program, 1991-1999  
 Population Health Task Force 1994-1996  
 Advisory Board, Center for Population Health, 1994-2003  
 Medical Student Research Review Committee, 1995-2002  
 Advisory Committee, Clinical Magnetic Resonance Research Center, 1998 - 2001

Honors and Awards

Ralph C. Williams Jr. Award for Senior Researcher, Department of Internal Medicine, UNM School of Medicine, 1999

Max K. Horwitt Distinguished Lectureship. Saint Louis University, June 6, 2003

Distinguished University Scholar. University of Louisville, 2005

Faculty Favorite. University of Louisville

TeachingUniversity of New Mexico (1991-2004)Ph.D./Masters Thesis Advisory Committee:

- Hicks, VL. "Validation of near-infrared interactance and skinfold methods for estimating body composition of American Indian Women", Ph.D., Exercise Physiology, 1992.
- Stolarczyk, L. "The Segal fatness-specific bioelectric impedance equations: are they generalizable and practical?", Ph.D., Exercise Physiology, 1996
- Kocina, P. "Clinical assessment of body composition in the spinal cord injured population", Ph.D., Exercise Physiology, 1996.
- Wagner D. "Cross-validation of body composition equations for Black men using a multicomponent model", Ph.D., Exercise Physiology, 1997.
- Scariano, J. "Serum metabolites of type-I collagen: correlation with bone mineral density and metabolic bone disease", M.S., Biomedical Science, 1998. PhD, Biomedical Science, 2002.
- Jenkins, K. "Cross-validation of body composition equations for children using dual energy X-ray absorptiometry", Ph.D., Exercise Physiology, 1998.
- Lockner, D. "Cross-validation of the "Body Pod" versus hydrostatic weighing and dual energy X-ray absorptiometry", Ph.D., Exercise Physiology, 1999.
- Marques, M. "Cross-validation of body composition equations for Brazilian women using dual energy X-ray absorptiometry, Ph.D., Exercise Physiology, 1999

Medical/MPH Students Mentored in Required Research Projects

- Stanley Miranda, "Common gait deviations, falls and fear of falling in the elderly", 1997.
- Elizabeth Romero, "Ethnic differences in bone mineral and femoral neck structure in New Mexico women". Second place in Student Research Day poster competition, 1998.

- Monica Radloff, "Changes in muscle mass, hormone replacement therapy and functional status in elderly women". Oral presentation at Carmel meetings, 1999.
- Ali Chandani, "Biochemical markers of bone turnover as correlates of bone mineral density in an elderly male population". (see publication, Bone 2000).
- Michael Bell, Chris Zagar, and Victoria Garcia. Vitamin D and parathyroid hormone levels in nursing home and free-living elderly women in Albuquerque, NM. 2000
- Anu Kakumanu. Obesity and leptin in type 2 diabetics. 2001
- Kristen Flammer. Hyperleptinemia and weight loss in elderly men, 2002

Tutoring: UNM School of Medicine Problem Based Learning Curriculum

CV/Pulmonary Disease Block, SOM. 1996.

GI/Nutrition/Metabolism and Renal/Endocrinology Blocks, SOM. 1997, 1998, 1999, 2000.

Molecular Genetics Block. 1998, 1999, 2000, 2001.

Courses Designed and Taught, UNM MPH Program:

Nutritional Epidemiology

Lectures and Seminars:

Human Biochemistry/Biology Block, SOM. Annual lectures on "Human Body Composition". 1991-1993.

Nutritional Assessment, K. Koehler, Dept. HPPELP. 1 hour guest lectures on "Body Composition Analysis", 1991- 1994.

Body Composition, V. Heyward, Dept. HPPELP. 1 hour guest lectures on "Bioelectric Impedance and Dual Energy X-ray Absorptiometry", 1991- 1994.

Lectures on methodologic aspects of nutritional epidemiology in Epidemiologic Methods II - Spring 1995, MPH Program.

Correlates of Sarcopenia in Elderly People. Epidemiology Research Seminar, Winter 1996.

Epidemiology of Sarcopenia in Elderly New Mexicans, Grand Rounds, UNM SOM, Fall, 1996

Epidemiology of Sarcopenia. RC Williams Senior Research Award Lecture. UNM SOM, Fall 1999.

Update: Epidemiology and clinical treatment of obesity. Grand Rounds, UNM SOM, Fall, 2004, 2005

Other Teaching-Related Activities:

Judge, Basic Medical Sciences. Medical Student Research Day. January, 1993, 1994, 1995, 1998.

1st year Medical Student, Practical Immersion Experience (PIE) Assessments, Spring, 1994, 1995, 1998.

Lecturer, Co-organizer. First Year Medical Student Research Orientation Seminar, May 1995.

Liaison to Renal Block: Population Health Task Force, Fall 1995.

University of Louisville (2005 – present)

Program Director, MPH, MS, and PhD Curricula, Department of Epidemiology and Population Health

Conceived and established MPH/MS/PhD curricula, developed and taught many key courses

Courses developed and taught

- Introduction to Epidemiology, PHEP 501 (2006); developed and turned over to junior faculty
- Epidemiology Methods, PHEP 602 (2006); developed and turned over to junior faculty
- Field Epidemiology, PHEP 616 (2007); developed and turned over to junior faculty
- Advanced Epidemiologic Methods, PHEP 701 (2006-7); developed and turned over to junior faculty
- Seminars in Epidemiology, PHEP 750 (2007-2015); developed and turned over to junior faculty
- Epidemiology Methods II PHEP 618 (2008-9, 2014-present); developed and turned over to junior faculty
- Biology of Disease in Populations PHEP 619 (2009-2020)
- Public Health Biology PHEP 650 (2015)
- Epidemiology of Communicable Diseases PHEP 650 (2016)
- Nutritional Epidemiology PHEP 611 (2011, 2015)
- Theoretical Foundations of Epidemiology PHEP 650 (2015-present)
- Clinical Epidemiology PHEP 614 (2020)
- Environmental Epidemiology PHEP 620 (2022-present)
- Introduction to Maternal Child Health PHEP 325 Fall 2022 (Co-instructor, Epi Minor)

Ph.D./MS Thesis/Dissertation Advisory Committee:

- Saad, F., PhD Epidemiology, 2008. Is sleep apnea a risk factor for pre-eclampsia? Committee Chair
- Richardson, G, MS Epidemiology, 2010. Aging brain: Applying hierarchical linear models to evaluate the trajectories of cognitive aging. Does individual change matter? Committee Chair
- Connor, A., PhD Epidemiology, 2011. The Beta- 2 Adrenergic Receptor Polymorphisms and Risk of Breast Cancer among Hispanic and Non-Hispanic White Women from the 4-Corners Breast Cancer Study- A Population-Based Case-Control Examination. Committee member
- Das, N. PhD Epidemiology, 2012. Genetic polymorphisms in the folate metabolizing pathway and breast cancer survival. Committee Chair
- Denkhoff (Boone), S. PhD-student Epidemiology, 2013. TGF- $\beta$  signaling pathway, ER- $\alpha$  and the heterogeneity of breast cancer risk among Hispanic and non-Hispanic white women Committee Member
- Donneyong, M. PhD-student Epidemiology, 2013. Calcium plus vitamin d supplementation among postmenopausal women: effect on incidence of heart failure in The Women's Health Initiative (WHI) Study. Committee Member
- Appiah, D. PhD-student Epidemiology, 2013. Cardiovascular disease among diabetic women with bilateral oophorectomy. Committee Member
- Myatt, K. MS-student Epidemiology, 2013. "The effect of cervical cancer on survivor's sexual dysfunction and quality of life" Committee Member
- Peiper, N. PhD-student Epidemiology, 2013. The performance of the K6 scale in a large adolescent sample Committee Co-Chair.
- Gonzalez, X. MS-student Epidemiology, 2014. Cognitive decline and polypharmacy in an elderly population Committee Co-Chair.
- Jhaveri, M. PhD-student Epidemiology, 2015. Clinical and cost effectiveness of chronic obstructive pulmonary disease management program at the University of Louisville Committee Member.
- Burns, A. PhD-student Epidemiology, 2017. Pediatric anxiety and/or depression problems:

- association with PM<sub>10</sub> fly ash and metal exposure. Committee member
- Carhart, J. PhD-student Epidemiology, 2017. Effect of total body iron on metabolic dysfunction among U.S. females in the NHANES 2003-2010 survey, aged 12-49. Committee member
  - Odoh, C. PhD-student Epidemiology, 2018. Coal ash exposure and behavioral impairments among children in Louisville, KY Committee Co-Chair.
  - Pierce, E. PhD-student Epidemiology, 2018. Is Macrolide and Beta-Lactam Combination therapy associated with Early Clinical Stability or 30 Day Mortality in hospitalized patients with pneumonia? an assessment of confounding by indication, Committee Chair.
  - Mattingly, D. MS-Epidemiology, 2018. Post-diagnosis Quality of Life and Mortality in Non-Hispanic White and Hispanic Women Diagnosed with Invasive Breast Cancer. Committee Member.
  - Zachary, A. MS-Epidemiology, 2018. Analysis of the Screen for Child Anxiety-Related Emotional Disorders Predictive Ability of Autism in Children with High Functioning Autism via the Lasso. thesis in progress. Committee Member.
  - Lohani, S. MS-Epidemiology, 2018. Adolescent Sexual and Reproductive Health in the Gambia. Committee Member.
  - Tompkins, L. PhD-Epidemiology, 2019. Evaluation of the Health and Exposure Histories of a Community Surrounded by Industry and Industrial Waste: A Mixed Methods Approach. Committee member.
  - Kuo, D. PhD-Epidemiology, 2019. Polydrug use among people who use opioids, National Survey of Drug Use and Health 2002-2017. Committee Chair.
  - McGeeney, T. PhD-student Epidemiology, 2019. Handgun Carrying Patterns and Suicide Risk among Youth. Committee Chair.
  - Davis, C. PhD-Epidemiology, 2019. "The S.H.A.P.E. Study: The Survey of Health and The Perceived Environment Study." Committee Chair.
  - Yaser, M. PhD-Epidemiology, 2020. Characterization of adiposity and inflammation genetic pleiotropy underlying cardiovascular risk factors in Hispanics. Committee Member.
  - Pfeiffer, J. PhD-Epidemiology, 2021. Particulate matter exposure and community acquired pneumonia. Committee Member.
  - Blair, L. PhD-Epidemiology, 2022. Investigating the relationships between socioeconomic status, kratom legalization, and the covid-19 pandemic on opioid overdose mortality in the united states. Committee Member.
  - Reece, E. PhD-Epidemiology, 2022. Association between tear gas exposure and menstrual function. Committee Member.
  - Riggs, D. PhD-Epidemiology, Fall 2022. Associations between Air Pollution, Greenness, and Risk of Stroke by Ecoregions: The REGARDS Study. Committee Member.
  - Feygin, Y. PhD-Epidemiology, Fall 2022. Epidemiology of Suicide Among Children and Adolescents. Committee Member.
  - Tomlinson, M. PhD-Epidemiology, Fall 2022. Menstrual hygiene in Nigerian girls. Committee Member.
  - Kakar, A. PhD-Epidemiology, Fall 2023. Genetic risk scores for Hypertension and Chronic Kidney Disease in African Americans. Committee Member.
  - Jawad, K. PhD-Epidemiology, Fall 2023. Incidence and determinants of hypertensive disorders of pregnancy in the U.S.: Hospitalization discharge rate for preeclampsia, eclampsia, and gestational hypertensions. Committee Member.

## RESEARCH SUPPORT

### Current Grants and Contracts

NIH/NHLBI, U01 HL146382-01, (PI: VS Ramachandran, UTSPH San Antonio) 07/01/19-03/31/25 'Risk Underlying Rural Areas Longitudinal (RURAL) Cohort Study', Total Costs: \$33,570,682. Site subcontract to UofL, SPHIS (Site PI: S Boone, Co-Is: RN Baumgartner & K Baumgartner), Total Costs: \$1,742,350. The goal of this study is to establish a new multiethnic cohort of approximately 4,600 participants between ages 30 and 60 years (approximately 45% NHW, 45% blacks, 10% Hispanic) in rural counties with the highest cardiovascular mortality rates in four Southern states (Kentucky, Alabama, Mississippi, Louisiana). In Kentucky, participants will recruited from four rural, Appalachian counties with contrasting (highest vs lowest) age-adjusted mortality rates due to cardiovascular disease matched for level of poverty, proportion of minorities, and population age and size. (<https://www.theruralstudy.org>)

### Grants and Contracts Pending or Under Review

None

### Grants Submitted But Not Funded Within Last 5 years

NIH U01 CA213261. RN Baumgartner (Co-PI), KB Baumgartner (Co-PI). Biomarkers of Early Detection and Risk for Cancer: The Kentucky E-Detect Cohort. Response to PAR-15-104 - Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts. Description: This is a revised application to form a new cancer cohort in Kentucky targeted at discovery and development of novel biomarkers for early detection of cancer. Total grant period: 11/17 – 10/22. Total costs requested: \$20,000,000. *Priority score: 40. Grant resubmission suspended due to COVID-19.*

NIH U54 GM128728. University of Louisville Institutional Development Award (IDeA) Clinical Translational Research Institute. Klein, J (PI). Clinical Research Design, Biostatistics and Epidemiology Core. S Rai, RN Baumgartner (Co-Leaders). Total grant period: 7/2018-6/2023. Total costs: \$20,000,000.

Burroughs Wellcome Fund. McKinney, P (PI), RN Baumgartner (Co-I). Clinical and Translational Research Program in Pneumonia, Influenza, and Emerging Respiratory Pathogens. Total grant period: 2/1/15 - 1/31/20. Total costs: \$2,455,003.

Cystic Fibrosis Foundation. Winters, S (PI), RN Baumgartner (Co-I). Selective Estrogen Response Modifiers for Men with Cystic Fibrosis. Total grant period: 1/1/13 - 12/31/15. Total costs: \$324,000.

NIH R21CA185950. RN Baumgartner (PI). Influence of breast adipose tissue on carcinoma gene expression. Description: This application will examine associations between breast adipose and tumor tissue gene expression using materials acquired by laser-capture microdissection from fresh and formalin-fixed paraffinized tissue in a biorepository. Total grant period: 2014-2016. Total costs: \$296,969.

Susan G. Komen Foundation. RN Baumgartner (PI), K. Baumgartner (Co-PI). "University of Louisville: Susan G. Komen Breast Cancer Disparities Epidemiology Research Training Program". Description: This application will continue a doctoral training program in cancer epidemiology. Total grant period: 2014-2017. Total direct costs: \$404,926.

American Diabetes Association. Winters, S (PI), RN Baumgartner (Co-I). SHBG Gene Expression and the Metabolic Syndrome. Total grant period: 1/1/13 - 12/31/15. Total costs: \$600,000



Susan G. Komen Foundation. R. Baumgartner (PI). Telomere Length and Serum Biomarkers of Lifecourse Exposures and Breast Cancer. Description: This application will measure telomere length and serum biomarkers of oxidative stress and inflammation in stored DNA and sera and study their associations with breast cancer risk and survival. Total grant period: 2013-2016. Total direct costs: \$717,075.

NIH U54 RR026087. "University of Louisville Clinical Translational Science Institute: Clinical Research Ethics, Resign Design, Epidemiology and Biostatistics Core". C McClain(PI) ; RN Baumgartner (Co-I) (Co-Director, Research Development Core). Total grant period: 2011-2016. Total costs: \$19,898,356.

NIH. R01 AG040281-01 "Insulin Resistance as a Risk Indicator for Menopausal Vasomotor Symptoms." B Villafuerte (PI), RN Baumgartner (Co-I). Description: The purpose is to establish the role of insulin resistance and glucose excursions in the etiology of hot flashes in menopausal women. Total grant period: 2011-2016. Total direct costs: \$1,709,429.

NIH RC1 AG035899. "Telomere Length and Aging". RN Baumgartner(PI) . Description: This proposal under the Research Challenge RFA will utilize data from the New Mexico Aging Process Study and new assays of telomere length and other biomarkers of oxidative stress to determine association with multiple rate-of-change phenotypes in old age including loss in cognitive and physical function, body composition, and health. Total grant period: 8/1/11-7/30/12. Total direct costs: \$828,790.

### **Previous Grants and Contracts**

UofL CEG 54115, (RN Baumgartner, PhD) 03/01/18-12/31/19 Competitive Enhancement Grant (CEG), Office of the Executive Vice President for Research & Innovation (EVPRI). Biomarkers of Early Detection and Risk for Cancer: The Kentucky E-Detect Cohort. Total Costs: \$24,663. The purpose of this pilot study is to provide preliminary data for a revised application to NIH/NCI for U01 CA213261 (see above). The goal of the NIH application will be to establish a new large cancer epidemiology cohort of healthy men and women in the state of Kentucky powered to investigate the most frequent cancers in the state.

Department of Defense (DOD). Jortani, S (PI), RN Baumgartner (Co-I). A Novel Approach for Personalized Acute Pain Management Following Injuries and Surgeries. Description: This study investigates variants in opioid receptor and metabolism genes that influence therapeutic and side effects to opioid treatment for pain. Total grant period: 11/1/16 - 10/31/19. Total costs: \$1,044,770.

Susan G. Komen Foundation. K. Baumgartner (Co-PI), RN Baumgartner (Co-PI). "University of Louisville: Susan G. Komen Breast Cancer Disparities Epidemiology Research Training Program". Description: This application will create a doctoral training program in cancer epidemiology. %FTE 8%. Total grant period: 1/1/09-12/30/12. Total direct costs: \$270,000.

SEER, NCI-PC-05016-20. "Weight, Physical Activity, Diet: Association with Occurrence and Prognosis for Invasive Breast Cancer among Post-Menopausal Women (HEAL Study): 10 Year Followup". RN Baumgartner(PI), K. Baumgartner (Co-PI). Description: This is the 13 year follow-up interview of a cohort of 1,200 women with breast cancer. The purpose is to determine how body weight and composition, dietary intake, and physical activity influence prognosis. %FTE 12%. Total grant period: 10/1/05-10/30/12. Total costs: \$278,217.

NIH/NIEHS 1P30ES014443-01A1 "Center for Environmental Genomics and Integrative Biology". K. Ramos (PI), RN Baumgartner (Co-I). Description: The goal of this grant is to support outstanding basic and translational investigations into the etiology of environmental disease and the development of new approaches to manage these conditions. The Integrated Health Sciences Facility Core's central goal is to provide Center investigators with services and resources that will facilitate the translation of basic research finding into clinical or public health applications. The Community Outreach and Education Core's primary goal will be to educate residents in the Louisville Metropolitan Area (9 counties in

Kentucky and 4 in Indiana) on the importance of interactions between genes, environment, culture, and disease focusing on the Hispanic and African American communities. %FTE 5%: Integrated Health Sciences Facility Core. Total grant period: 4/01/07-03/31/11. \$5,500,000 Total direct costs.

NIH R03CA128028-0 "A Pharmacogenetic Approach to Prostate Cancer Susceptibility" Kidd, L (PI); RN Baumgartner Co-I. Description: The purpose of the study is to systematically evaluate the capacity of an innovative panel of genetic variants within carcinogen-biotransformation, -transport, and -DNA repair pathways to predict prostate cancer susceptibility among men of African descent. In order to accomplish this high-impact research objective, the proposed project will use a multi-faceted statistical strategy that combines orthodox statistical methods with computation algorithms and hierarchical interaction graphs. Total grant period: 06/1/2007-5/31/2009. Total costs: \$74,000

NIH R01CA105266 "Ethnicity, Breast Cancer Recurrence, & Long-Term QOL" KB Baumgartner (PI); RN Baumgartner (Co-I) Description: Follow-up study of the New Mexico Women's Health Study (NMWHS: 1992-1996), a statewide, population-based, case-control breast cancer study, for survival, recurrence, and quality of life; designed to assess differences by ethnicity and age. Total grant period: 09/09/05-05/31/11 Total Costs: \$1,907,689 (Direct: \$1,331,911).

NIH R01 CA078762. "Four Corner's Women's Health Study. KB Baumgartner (PI) ; RN Baumgartner Co-I. Description: This is multicenter case-control study of comparing Hispanic and non-Hispanic white women in the Southwest for breast cancer risk factors. %FTE 15%. Total grant period: 10/1/05-10/30/06. Total direct costs, \$207,323.

SEER, NCI-PC-05016-20. "Weight, Physical Activity, Diet: Association with Occurrence and Prognosis for Invasive Breast Cancer among Post-Menopausal Women (HEAL Study): 5 Year Followup". RN Baumgartner(PI) . Description: This is the 5 year follow-up interview of a cohort of 1,200 women with breast cancer. The purpose is to determine how body weight and composition, dietary intake, and physical activity influence prognosis. %FTE 10%. Total grant period: 10/1/03-9/30/04. Total direct costs, \$322,833.

SEER, NCI-PC-05016-20. "Weight, Physical Activity, Diet: Association with Occurrence and Prognosis for Invasive Breast Cancer among Post-Menopausal Women (HEAL Study): 5 Year Followup". RN Baumgartner(PI) . Description: This is the 5 year follow-up interview of a cohort of 1,200 women with breast cancer. The purpose is to determine how body weight and composition, dietary intake, and physical activity influence prognosis. %FTE 10%. Total grant period: 10/1/02-9/30/03. Total direct costs, \$451,761.

NIH P60: AG-02-001. "Older Americans Independence Center: Body Composition Core". PI, RN. Baumgartner. Description: This will be one of several cores in a large aging research center grant funded by the National Institute on Aging (PI, M. Pahor). Total grant period: 7/01/02-06/30/07. Total Subcontract Costs: \$36,721.

R01 AG10149-10 National Institute on Aging, "Body Composition Changes in the Elderly: Sarcopenia". R.N. Baumgartner (PI). Description: The purpose is to develop and improve methods for measuring muscle mass and function, to determine the prevalence and incidence of sarcopenia (age-related muscle loss), and to determine etiologic factors and consequences in a unique, longitudinal cohort of elderly people. Total grant period: 6/01/98 to 5/32/04. Total direct costs, \$2,676,146.

R21 "Mitochondrial Function and mtDNA Deletions in Sarcopenia". D Waters(PI) ; RN Baumgartner (Co-I). Description: This exploratory study will utilize a novel, multi-disciplinary approach to determine the associations among in vivo measurements of muscle mitochondrial function, in vitro biopsy measures of mtDNA damage, and biomarkers of oxidative stress and antioxidant protection to test the hypothesis that cumulative mitochondrial damage underlies progressive muscle loss with age, or sarcopenia. Proposed dates of support: 12/01/02-11/30/04. Total direct costs, \$250,000.

SEER, NCI-PC-85063-20. "Adipose tissue antioxidant vitamin and fatty acid concentrations in women with breast cancer in New Mexico". R.N. Baumgartner(PI) . Description: This study is determining the feasibility of measuring fatty acid and antioxidant vitamin concentrations in breast and gluteal adipose tissue samples from women with cancer. Total grant period: 7-01-98 to 12-31-01. %FTE = 10%. Total direct costs, \$169,043.

SEER, NCI-PC-95019-20. "The interaction of genetic susceptibility and hormonal exposures in breast cancer prognosis". R.N. Baumgartner(PI) . Description: This study looks at genetic markers that may influence prognosis of women with breast cancer in the New Mexico Women's Health Study. Submitted 03-02-99. Total grant period: 7-01-99 to 6-30-02. %FTE = 10%. Total direct costs, \$285,000.

SEER, NCI-CN-65034-29. "Weight, Physical Activity, Diet: Association with Occurrence and Prognosis for Invasive Breast Cancer among Post-Menopausal Women (HEAL Study): 2 Year Followup". RN Baumgartner(PI) . %FTE 10%. Total grant period: 10/1/98-9/30/01. Total direct costs, \$742,830.

SEER, NCI-CN-65034-29. "Weight, Physical Activity, Diet: Association with Occurrence and Prognosis for Invasive Breast Cancer among Post-Menopausal Women: Baseline (HEAL Study)". F. Gilliland(PI) ; RN Baumgartner (Co-PI). %FTE 10%. Total grant period: 9-30-96 to 08-31-98. Total direct costs, \$798,816.

R37 AG02049 - National Institute on Aging, "A Prospective Study of Nutrition in the Elderly", P. J., Garry(PI) ; RN Baumgartner (Co-PI). Total grant period: 12-01-92 to 11-30-97. %FTE = 5%. Total direct costs, \$1,451,513.

R01 AG10149 - National Institute on Aging, "Body Composition Changes in the Elderly". R.N. Baumgartner(PI) . Total grant period: 10-01-93 to 09-30-98. %FTE = 60%. Total direct costs, \$1,052,141.

R01 AG10941- National Institute on Aging, "New Mexico Survey of Health in Elderly Hispanics", R.D. Lindeman(PI) ; RN Baumgartner (Co-I). Total grant period: 04-01-96 to 03-31-97. %FTE = 15%. Total direct costs, \$231,839.

R01 AG10941S - National Institute on Aging, "Body Composition Supplement to New Mexico Survey of Health in Elderly Hispanics", RN Baumgartner(PI) ; R.D. Lindeman (Co-PI). Total grant period: 4-01-96 to 03-31-97 %FTE = 5%. Total direct costs, \$161,762.

R01 AG10941- National Institute on Aging, "New Mexico Survey of Health in Elderly Hispanics", R.D. Lindeman(PI) ; RN Baumgartner (Co-I). Total grant period: 10-01-92 to 09-30-95). %FTE = 5%. Total direct costs, \$1,098,710.

R29 AG08510 - National Institute on Aging. "Body Composition Methods for the Elderly". R.N. Baumgartner(PI) . Total grant period: 8-15-90 to 8-14-95. %FTE = 50%. Total direct costs, \$280,954.

R01 HD 12252 - National Institute of Child Health and Human Development. "Subcutaneous Fat, Blood Lipids and Health". A.F.Roche(PI) ; RN Baumgartner (Co-PI). Total grant period: 12-01-88-11-30-93. Total direct costs, \$3,388,599.

R01 HD 12252 - National Institute of Child Health and Human Development, "Subcutaneous Fat, Blood Lipids and Health". A.F. Roche(PI) ; RN Baumgartner (Co-I). Total grant period: 12-01-83-11-30-88. Total direct costs, \$1,916,767.

Ross Laboratories, Columbus, Ohio (no number). "Fels/Emory CT Body Composition Study" (\$5000). RN Baumgartner(PI) .

Ross Laboratories, Columbus, Ohio (no number). "Evaluation of the Reliability and Accuracy of New Calipers for Measuring Recumbent Knee Height in the Elderly", (\$3,900). RN Baumgartner(PI) .

Research Challenge Award, Wright State University (no number). "Identification of Intrauterine Malnutrition" (\$18,000). R.J. Hildebrandt(PI) ; RN Baumgartner (Co-I).

ISR00073 - Indian Health Service, DHHS, "Measurement of fat in adult Navajos by dual energy x-ray absorptiometry and validation for bioelectric impedance and anthropometry. P.I., Joseph Piepmeyer; RN Baumgartner (Co-I). Total grant period: 1-1-92-12-31-92. Total costs \$29,990.

## PUBLICATIONS

### **Papers in peer-reviewed journals (Sum of citations=42,691 as of 01/2023; h-index=64 on Science Citation Index; 84 on Researchgate and Google Scholar)**

1. Baumgartner RN, Pollitt E. The Bacon Chow Study: analyses of the effects of infectious illness on growth of infants. *Nutr Res* 2(1):9-21, 1983. doi.org/10.1016/S0271-5317(83)80117-1
2. Baumgartner RN, Mueller WH. Multivariate analyses of illness data for use in studies on the relationship of physical growth and morbidity. *Hum Biol.* 1984 Feb;56(1):111-28. PMID: 6745896
3. Smith RC, Baumgartner RN, Misra C, et al. Haloperidol: plasma levels and prolactin response as predictors of clinical improvement in schizophrenia. Chemical vs. radioreceptor plasma level assays. *Arch Gen Psychiatry.* 1984 Nov;41(11):1044-9. doi: 10.1001/archpsyc.1983.01790220034006. PMID: 6497566
4. Smith RC, Baumgartner RN, Ravichandran GK, et al. Plasma and red cell levels of thioridazine and clinical response in schizophrenia. *Psychiatry Res.* 1984 Aug;12(4):287-96. doi: 10.1016/0165-1781(84)90045-3. PMID: 6594712
5. Baumgartner RN, Mueller WH. Multivariate analyses of illness data for use in studies on the relationship of physical growth and morbidity. *Hum Biol* 56(1):111-128, 1984. PMID: 6745896
6. Largen JW, Smith RC, Calderon M, Baumgartner RN, et al. Abnormalities of brain structure and density in schizophrenia as assessed from computed tomography. *Biol Psychiatry.* 1984 Jul;19(7):991-1013. PMID: 6478000
7. Smith RC, Baumgartner RN, Ravichandran GK, et al. Lateral ventricular enlargement and clinical response in schizophrenia. *Psychiatry Res.* 1985 Mar;14(3):241-53. doi: 10.1016/0165-1781(85)90019-8. PMID: 3858896.
8. Smith RC, Baumgartner RN, Shvartsburd A, et al. Comparative efficacy of red cell and plasma haloperidol as predictors of clinical response in schizophrenia. *Psychopharmacology (Berl).* 1985;85(4):449-55. doi: 10.1007/BF00429663. PMID: 286265
9. Smith RC, Baumgartner RN, Calderon M, Affas A, Ravichandran GK, Peters ID. Magnetic resonance imaging studies of schizophrenia. *Psychopharmacol Bull.* 1985;21(3):588-94. PMID: 4034876.
10. Smith RC, Baumgartner RN, Burd A, Ravichandran GK, Mauldin M. Haloperidol and thioridazine drug levels and clinical response in schizophrenia: comparison of gas-liquid chromatography and radioreceptor drug level assays. *Psychopharmacol Bull.* 1985;21(1):52-8. PMID: 3983338
11. Baumgartner RN, Roche AF, Himes JH. Incremental growth tables. *Am J Clin Nutr.* 1986 May;43(5):711-22. doi: 10.1093/ajcn/43.5.711. PMID: 3706184
12. Baumgartner RN, Roche AF, Guo S, et al. Adipose tissue distribution: the stability of principal components by sex, ethnicity, and maturation stage. *Hum Biol* 58(5):719-735, 1986. PMID:3804294
13. Baumgartner RN. Book review: Non-human primate models for human growth and development. Edited by E.S. Watts. *Am J Phys Anthrop* 69(1):131-132, 1986.
14. Baumgartner RN. Book review: Effect of physical activity on children: a special tribute to Mabel

- Lee. Stull AG, Eckert HM (eds), *Child Develop Abstr Biblio* 61(1):674, 1987.
15. Baumgartner RN, Chumlea WC, Roche AF. Associations between bioelectric impedance and anthropometric variables. *Hum Biol* 59(2):235-244, 1987. PMID:3596564
  16. Smith RC, Baumgartner RN, Ravichandran GK, et al. Cortical atrophy and white matter density in the brains of schizophrenics and clinical response to neuroleptics. *Acta Psychiatr Scand.* 1987 Jan;75(1):11-9. doi: 10.1111/j.1600-0447.1987.tb02745.x.PMID: 2883814
  17. Smith RC, Baumgartner RN, Calderon M. Magnetic resonance imaging studies of the brains of schizophrenic patients. *Psychiatry Res.* 1987 Jan;20(1):33-46. doi: 10.1016/0165-1781(87)90121-1.PMID: 3562689
  18. Baumgartner RN, Roche AF, Chumlea WC, et al. Fatness and fat patterns: associations with plasma lipids and blood pressures in adults, 18 to 57 years of age. *Am J Epidemiol.* 1987 Oct;126(4):614-28. doi: 10.1093/oxfordjournals.aje.a114701.PMID: 3498363
  19. Baumgartner RN, Chumlea WC, Roche AF. Bioelectric impedance phase angle and body composition. *Am J Clin Nutr.* 1988 Jul;48(1):16-23. doi: 10.1093/ajcn/48.1.16.PMID: 3389323
  20. Chumlea WC, Baumgartner RN, Roche AF. The use of specific resistivity to estimate fat free mass from segmental body measures of bioelectric impedance. *Am J Clin Nutr.* 1988 Jul;48(1):7-15. doi: 10.1093/ajcn/48.1.7.PMID: 3389332
  21. Baumgartner RN, Heymsfield SB, Roche AF, Bernadino M. Abdominal composition quantified by computed tomography. *Am J Clin Nutr.* 1988 Oct;48(4):936-45. doi: 10.1093/ajcn/48.4.936.PMID: 3421203
  22. Roche AF, Guo S, Baumgartner RN, Falls RA. The measurement of stature. Letter to the editor. *Am J Clin Nutr.* 1988 May;47(5):922. doi: 10.1093/ajcn/47.5.922.PMID: 3364407
  23. Baumgartner RN. Book review: *Advances in motor development research*, Vol. 1. Clark JE, Humphrey JH (eds), *Child Develop Abstr Biblio* 62:2, 1988.
  24. Baumgartner RN, Roche AF. Tracking of fat pattern indices in childhood: the Melbourne Growth Study. *Human Biol* 60:549-69, 1988. PMID:3417277
  25. Siervogel RM, Baumgartner RN, Roche AF, et al. Maturity and its relationship to plasma lipid and lipoprotein levels in adolescents: The Fels Longitudinal Growth Study. *Am J Hum Biol.* 1989;1(2):217-226. doi: 10.1002/ajhb.1310010212. PMID: 28514007
  26. Baumgartner RN, Siervogel RM, Chumlea WC, Roche AF. Associations between plasma lipoprotein cholesterols, adiposity, and adipose tissue distribution during adolescence. *Int. J. Obesity* 13:31-42, 1989. PMID:2784788
  27. Baumgartner RN, Siervogel RM, Roche AF. Clustering of cardiovascular risk factors in association with indices of adiposity and adipose tissue distribution in adults. *Am J Hum Biol.* 1989;1(1):43-52. doi: 10.1002/ajhb.1310010109.PMID: 28514028
  28. Xi H, Roche AF, Baumgartner RN. Association of adipose tissue distribution with relative skeletal age in boys: the Fels Longitudinal Study. *Am J Hum Biol.* 1989;1(5):589-596. doi: 10.1002/ajhb.1310010509. PMID: 28514074.
  29. Baumgartner RN, Chumlea WC, Roche AF. Estimation of body composition from bioelectric impedance of body segments. *Am J Clin Nutr.* 1989 Aug;50(2):221-6. doi: 10.1093/ajcn/50.2.221. PMID: 2756908
  30. Chumlea WC, Baumgartner RN. Status of anthropometry and body composition data in the elderly. *Am J Clin Nutr.* 1989 Nov;50(5 Suppl):1158-66; discussion 1231-5. doi: 10.1093/ajcn/50.5.1158.PMID: 2683724.
  31. Ryan AS, Martinez GA, Baumgartner RN, Roche AF, Guo S, Chumlea WC, Kuczmarski RJ. Median skinfold thickness distributions and fat-wave patterns in Mexican-American children from the Hispanic Health and Nutrition Examination Survey (HHANES 1982-1984). *Am J Clin Nutr*

- 51:925S-935S, 1990. doi.org/10.1093/ajcn/51.5.925
32. Guo S, Roche AF, Baumgartner RN, Chumlea WC, Ryan AS, Johnson C. Kernal regression for smoothing percentile curves: reference data for calf and subscapular skinfold thicknesses in Mexican Americans. *Am J Clin Nutr* 51:908S-916S, 1990. doi.org/10.1093/ajcn/51.5.908
  33. Roche AF, Guo S, Baumgartner RN, Chumlea WC, Ryan AS, Kuczmarski R. Reference data for weight, stature and weight/stature<sup>2</sup> in Mexican-Americans from the Hispanic Health and Nutrition Examination Survey (HHANES 1982-1984). *Am J Clin Nutr* 51:917S-924S, 1990. doi.org/10.1093/ajcn/51.5.917
  34. Heymsfield SB, Lichtman S, Baumgartner RN, Wang J, Kamen Y, Aliprantis A, Pierson R. Body composition of humans: comparison of two improved four-compartment models that differ in expense, technical complexity, and radiation exposure. *Am J Clin Nutr*. 1990 Jul;52(1):52-8. doi: 10.1093/ajcn/52.1.52.PMID: 2360552
  35. Cockram DB, Baumgartner RN. Evaluation of the accuracy and reliability of calipers for measuring recumbent knee height in the elderly. *Am J Clin Nutr*. 1990 Aug;52(2):397-400. doi: 10.1093/ajcn/52.2.397.PMID: 2132549
  36. Chumlea WC, Baumgartner RN. Bioelectric impedance methods for the estimation of body composition. *Can J Sports Sci* 53:172-179, 1990. PMID: 2257530
  37. Baumgartner RN, Chumlea WC, Roche AF. Bioelectric impedance for body composition. *Exerc Sport Sci Rev*. 1990;18:193-224.PMID: 2192893
  38. Baumgartner RN, Ryan AS, Roche AF, Guo S, Chumlea Wm C, Kuczmarski R. Fat patterning and centralized obesity in Mexican-American children in the Hispanic Health and Nutrition Examination Survey (HHANES 1982-1984). *Am J Clin Nutr* 51:936S-943S, 1990.
  39. Chumlea WC, Baumgartner RN. Using bioelectric impedance to measure body composition: What professionals should know. *J Am Diet Assoc* 90:1213-1214, 1990.
  40. Chumlea WC, Baumgartner RN, Mitchell CO. The use of segmental bioelectric impedance is estimating body composition. *Basic Life Sci*. 1990;55:375-85. doi: 10.1007/978-1-4613-1473-8\_52.PMID: 2088295
  41. Baumgartner RN, Guo S, Roche AF. Tracking of lipids and lipoproteins in adolescents 12 to 22 years of age: the Fels Longitudinal Study. *Ann N Y Acad Sci*. 1991;623:406-9. doi: 10.1111/j.1749-6632.1991.tb43750.x.PMID: 2042849
  42. Baumgartner RN, Heymsfield SB, Lichtman S, Wang J, Pierson RN. Body composition in elderly people: effect of criterion estimates on predictive equations. *Am J Clin Nutr*. 1991 Jun;53(6):1345-53. doi: 10.1093/ajcn/53.6.1345.PMID: 2035461
  43. Chumlea WC, Baumgartner RN, Vellas BJP. Anthropometry and body composition in the perspective of nutritional status in the elderly. *Nutrition*. 1991 Jan-Feb;7(1):57-60.PMID: 1802188.
  44. Baumgartner RN. New approaches to the assessment of body composition in elderly persons. *Age & Nutr* 2:19-25, 1991. eurekamag.com/research/002/441/002441109.php
  45. Guo S, Roche AF, Fomon S J, Nelson SE, ChumleaWC, Rogers RR, Baumgartner RN, Ziegler EE, Siervogel RM. Reference data for weight, length, and gains in weight and length during the first two years of life. *J Pediatr*. 1991 Sep;119(3):355-62. doi: 10.1016/s0022-3476(05)82045-1.PMID: 1880646
  46. Ortiz O, Russell-Aulet M, Daley TL, Baumgartner RN, Waki M, Lichtman S, Wang J, Pierson RN, Heymsfield SB. Differences in skeletal muscle and bone mineral mass between black and white females and their relevance to estimates of body composition. *Am J Clin Nutr*. 1992 Jan;55(1):8-13. doi: 10.1093/ajcn/55.1.8.PMID: 1728823
  47. Chumlea WC, Baumgartner RN, Garry PJ, Rhyne RL, Nichol森 C, Wayne S. Fat distribution

- and blood lipids in a sample of health elderly people. *Int J Obes Relat Metab Disord.* 1992 Feb;16(2):125-33.PMID: 1316327.
48. Baumgartner RN, Rhyne RL, Troup C, Wayne S, Garry PJ. Appendicular skeletal muscle areas assessed by magnetic resonance imaging in older persons. *J Gerontol.* 1992 May;47(3):M67-72. doi: 10.1093/geronj/47.3.m67.PMID: 1573186.
  49. Vellas B, Baumgartner RN, Wayne SJ, Conceicao J, Lafont C, Albaredo J-L, Garry PJ. Relationship of malnutrition and falls in the elderly. *Nutrition* 8:36-39, 1992. PMID: 1591453
  50. Garry PJ, Wayne SJ, Koehler KM, Pathak DR, Baumgartner RN, Simon TL. Prediction of iron absorption based on iron status of women blood donors. *Am J Clin Nutr.* 1992 Oct;56(4):691-8. doi: 10.1093/ajcn/56.4.691.PMID: 1414969
  51. Baumgartner RN, Rhyne RL, Garry PJ, Heymsfield SB. Imaging techniques and anatomical body composition. *J Nutr.* 1993 Feb;123(2 Suppl):444-8. doi: 10.1093/jn/123.suppl\_2.444.PMID: 8429401
  52. Swanson C, Potishchman N, Wilbanks GD, Twiggs LB, Mortel R, Berman ML, Barrett RJ, Baumgartner RN, Brinton L. Risk of endometrial cancer in relation to contemporary and past body size. *Cancer Epidemiol Biomarkers Prev.* 1993 Jul-Aug;2(4):321-7.PMID: 8348055
  53. Abdel-Hamid M, Chumlea WC, Khamis HJ, Garry PJ, Baumgartner RN, Guo SS. Lateral differences in body dimensions in the elderly. *Age & Nutr* 1993;4:138-142. eurekamag.com/research/002/441/002441109.php
  54. Hicks VL, Heyward VH, Baumgartner RN, Flores AJ, Stolarczyk LM, Wotruba EA. Body composition of Native-American women estimated by dual-energy X-ray absorptiometry and hydrodensitometry. *Basic Life Sci.* 1993;60:89-92. doi: 10.1007/978-1-4899-1268-8\_20.PMID: 8110173
  55. McHugh D, Baumgartner RN, Stauber PM, Wayne S, Hicks VL, Heyward VH. Bone mineral in southwest Native American women. *Basic Life Sci.* 1993;60:87-8. doi: 10.1007/978-1-4899-1268-8\_19.PMID: 8110172
  56. Baumgartner RN, Stauber PM, McHugh D, Wayne S, Garry PJ, Heymsfield SB. Body composition in the elderly using multicompartamental methods. *Basic Life Sci.* 1993;60:251-4. doi: 10.1007/978-1-4899-1268-8\_56.PMID: 8110121
  57. Chumlea WC, Guo SS, Baumgartner RN, Siervogel RM. Determination of body fluid compartments with multiple frequency bioelectric impedance. *Basic Life Sci.* 1993;60:23-6. doi: 10.1007/978-1-4899-1268-8\_3.PMID: 8110118
  58. Heymsfield SB, Wang Z, Baumgartner RN, Dilmanian FA, Yasumura S. Body composition and aging: a study by in vivo neutron activation analysis. *J Nutr.* 1993 Feb;123(2 Suppl):432-7. doi: 10.1093/jn/123.suppl\_2.432.PMID: 8429399.
  59. Baumgartner RN. Body composition in the elderly: a critical review of needs and methods. *Prog Food Nutr Sci* 1993;17:223-260.
  60. Baumgartner RN, Rhyne RL, Garry PJ, Chumlea WC. Body composition in the elderly from magnetic resonance imaging: associations with cardiovascular disease risk factors. *Basic Life Sci.* 1993;60:35-8. doi: 10.1007/978-1-4899-1268-8\_6
  61. Chumlea WC, Guo S, Bellisari A, Baumgartner RN, Siervogel RM. Reliability of multiple frequency bioelectric impedance. *Am J Hum Biol.* 1994;6(2):195-202. doi: 10.1002/ajhb.1310060207.PMID: 2854826
  62. Stolarczyk LM, Heyward VH, Hicks VL, Baumgartner RN. Predictive accuracy of bioelectric impedance in estimating body composition of American Indian Women. *J Gerontol.* 1994 Sep;49(5):M201-8. doi: 10.1093/geronj/49.5.m201.PMID: 8056938
  63. Mazariegos M, Wang Z-M, Gallagher D, Baumgartner RN, Wang J, Pierson RN, Heymsfield SB. Differences between young and old females in the five levels of body composition and their

- relevance to the two-compartment chemical model. *J Gerontol.* 1994 Sep;49(5):M201-8. doi: 10.1093/geronj/49.5.m201.PMID: 8056938
64. Baumgartner RN, Heymsfield SB, Roche AF. Human body composition and the epidemiology of chronic disease. *Obes Res.* 1995 Jan;3(1):73-95. doi: 10.1002/j.1550-8528.1995.tb00124.x.PMID: 7712363
  65. Vellas BJ, Faisant C, Lauque S, Sedeuilh M, Baumgartner RN, Andrieux J-M, Allard M, Garry PJ, Albarede J-L. Etude ICARE: investigation sur la chute accidentelle recherche epidemiologique. *L'Annee Gerontologique* 1995;9: 423-436.
  66. Baumgartner RN, Stauber PM, McHugh D, Garry PJ. Cross-sectional age-differences in body composition in persons 60+ years of age. *J Gerontol A Biol Sci Med Sci.* 1995 Nov;50(6):M307-16. doi: 10.1093/gerona/50a.6.m307.PMID: 7583802
  67. Wang Z, Visser M, Ma R, Baumgartner RN, Kotler D, Gallagher D, Heymsfield SB. Skeletal muscle mass: evaluation of neutron activation and dual energy X-ray absorptiometry methods. *J J Appl Physiol* (1985). 1996 Mar;80(3):824-31. doi: 10.1152/jappl.1996.80.3.824.PMID: 8964743
  68. Baumgartner RN, Stauber PM, Koehler K, Romero L, Garry PJ. Associations of fat and muscle masses with bone mineral in elderly men and women. *Am J Clin Nutr.* 1996 Mar;63(3):365-72. doi: 10.1093/ajcn/63.3.365.PMID: 8602594
  69. Koehler KM, Pareo-Tubbeh SL, Baumgartner RN, Romero LJ, Garry PJ. Evaluating population folate exposure through a complete frequency distribution. *Am J Public Health.* 1996 Mar;86(3):406-7. doi: 10.2105/ajph.86.3.406.PMID: 8604770
  70. Koehler KM, Romero LJ, Stauber PM, Pareo-Tubbeh SL, Liang H-C, Baumgartner RN, Garry PJ, Allen RH, Stabler SP. Vitamin supplementation and other variables affecting serum homocysteine and methylmalonic acid in elderly men and women. *J Am Coll Nutr.* 1996 Aug;15(4):364-76. doi: 10.1080/07315724.1996.10718611.PMID: 8829092
  71. Baumgartner RN, Koehler K, Romero L, Garry PJ. Serum albumin is associated with muscle mass in the elderly. *Am J Clin Nutr.* 1996 Oct;64(4):552-8. doi: 10.1093/ajcn/64.4.552.PMID: 8839499
  72. Koehler K, Pareo-Tubbeh S, Romero L, Baumgartner RN, Garry PJ. Folate nutrition and older adults: challenges and opportunities. *J Am Diet Assoc.* 1997 Feb;97(2):167-73. doi: 10.1016/S0002-8223(97)00044-8.PMID: 9020245
  73. Roubenoff R, Baumgartner RN, Kiel DP, Dallal G, Hannan MT, Stauber PM, Wilson PWF, Harris TB. Application of bioelectric impedance analysis to elderly populations. *J Gerontol A Biol Sci Med Sci.* 1997 May;52(3):M129-36. doi: 10.1093/gerona/52a.3.m129.PMID: 9158553
  74. Morley JE, Kaiser FE, Perry HM, Patrick P, Morely PM, Stauber PM, Vellas B, Baumgartner RN, Garry PJ. Longitudinal changes in testosterone, leutenizing hormone and follicle-stimulating hormone in healthy older males. *Metabolism.* 1997 Apr;46(4):410-3. doi: 10.1016/s0026-0495(97)90057-3.PMID: 9109845
  75. Koehler KM, Pareo-Tubbeh SL, Liang HC, Romero LJ, Baumgartner RN, Garry PJ. Some vitamin sources relating to plasma homocysteine provide not only folate but also vitamins B-12 and B-6. *J Nutr.* 1997 Aug;127(8):1534-6. doi: 10.1093/jn/127.8.1534.PMID: 9237950
  76. Vellas BJ, Hunt WC, Romero L, Koehler K, Baumgartner RN, Garry PJ. Changes in nutritional status and patterns of morbidity among free living elderly persons: a 10 year longitudinal study. *Nutrition.* 1997 Jun;13(6):515-9. doi: 10.1016/s0899-9007(97)00029-4.PMID: 9263231
  77. Vellas BJ, Wayne SJ, Baumgartner RN, Rubenstein L, Albarede JL, Allard M, Garry PJ. One leg balance is an important predictor of injurious falls in elderly persons. *J Am Geriatr Soc.* 1997 Jun;45(6):735-8. doi: 10.1111/j.1532-5415.1997.tb01479.x.PMID: 9180669
  78. Vellas BJ, Wayne S, Romero LJ, Baumgartner RN, Garry PJ. Fear of falling and restriction of mobility in elderly fallers. *Age Ageing.* 1997 May;26(3):189-93. doi:



- 10.1093/ageing/26.3.189.PMID: 9223714
79. Garry PJ, Montoya GD, Baumgartner RN, Liang HC, Williams TC, Brodie SG. Impact of HLA-H mutations on iron stores in healthy elderly men and women. *Blood Cells Mol Dis*. 1997 Aug;23(2):277-87. doi: 10.1006/bcmd.1997.0144.PMID: 9410471
  80. Gallagher D, Visser M, De Meersman RE, Sepulveda D, Baumgartner RN, Pierson RN, Harris T, Heymsfield SB. Appendicular skeletal muscle mass: effects of age, gender and ethnicity. *J Appl Physiol* (1985). 1997 Jul;83(1):229-39. doi: 10.1152/jappl.1997.83.1.229.PMID: 9216968
  81. Romero LJ, Lindeman RD, Hundley R, Allern AS, Koehler KM, Baumgartner RN, Schade DS, Garry PJ. New Mexico Survey of Health in Elderly Hispanics. *J Invest Med* 1997;45:1315:158A. [www.jstor.org/stable/45410478](http://www.jstor.org/stable/45410478)
  82. Heymsfield, SB; Wang, ZM; Baumgartner, RN; et al. Human body composition: advances in models and methods. *Annu Rev Nutr*. 1997;17:527-58. doi: 10.1146/annurev.nutr.17.1.527.PMID: 9240939
  83. Baumgartner RN, Heymsfield SB, Ross R. Does adipose tissue influence bioelectric impedance in obese men and women? *J Appl Physiol* (1985). 1998 Jan;84(1):257-62. doi: 10.1152/jappl.1998.84.1.257.PMID: 9451644.
  84. Wold RS, Lopez ST, Pareo-Tubbeh SL, Baumgartner RN, Romero LJ, Garry PJ, Koehler KM. Helping elderly participants keep 3-day diet records in the New Mexico Aging Process Study. *J J Am Diet Assoc*. 1998 Mar;98(3):326-32. doi: 10.1016/S0002-8223(98)00076-5.PMID: 9508017.
  85. Vellas BJ, Wayne SJ, Garry PJ, Baumgartner RN. A two-year study of falls in 482 elderly persons living in the community. *J Gerontol A Biol Sci Med Sci*. 1998 Jul;53(4):M264-74. doi: 10.1093/gerona/53a.4.m264.PMID: 18314565
  86. Baumgartner RN, Koehler K, Romero L, Lindeman RD, Garry PJ. Epidemiology of sarcopenia in elderly people in New Mexico. *Am J Epidemiol*. 1998 Apr 15;147(8):755-63. doi: 10.1093/oxfordjournals.aje.a009520.PMID: 9554417
  87. Lindeman RD, Romero LJ, Hundley R, Allen AS, Baumgartner RN, Koehler KM, Schade DS, Garry PJ. Prevalences of Type 2 diabetes mellitus, the insulin resistance syndrome, and coronary heart disease in an elderly, biethnic population. *Diabetes Care*. 1998 Jun;21(6):959-66. doi: 10.2337/diacare.21.6.959.PMID: 9614614
  88. Mistiopoulos N, Baumgartner RN, Heymsfield SB, Lyons W, Gallagher D, Ross R. Cadaver validation of magnetic resonance imaging and computerized tomography measurement of skeletal muscle and subcutaneous adipose tissue. *J Appl Physiol* (1985). 1998 Jul;85(1):115-22. doi: 10.1152/jappl.1998.85.1.115.PMID: 9655763\
  89. Petrobelli A, Gallagher D, Baumgartner R, Ross R, Heymsfield SB. Lean R-value for DXA 2-component soft-tissue model: influence of age and tissue or organ type. *Appl Radiat Isot*. 1998 May-Jun;49(5-6):743-4. doi: 10.1016/s0969-8043(97)00100-0.PMID: 9569598
  90. Scariano JK, Glew RH, Bou-Serhal C, Clemens JD, Garry PJ, Baumgartner RN. Serum levels of the cross-linked telopeptide (Ntx) and the aminoterminal propeptide (P1NP) of type-I collagen reliably indicate low bone mineral density in elderly females. *Bone*. 1998 Nov;23(5):471-7. doi: 10.1016/s8756-3282(98)00126-4.PMID: 9823455.
  91. Lindeman RD, Romero LJ, Liang H, Hundley R, Baumgartner RN, Koehler KM, Garry PJ. Prevalence of proteinuria/microalbuminuria in an elderly urban, biethnic community. *Geriatr Nephrol Urol*. 1998;8(3):123-30. doi: 10.1023/a:1008361406004.PMID: 10221169
  92. Romero L, Lindeman RD, Hundley R, Koehler KM, Baumgartner RN, Allen AS, Schade DS, LaRue A, Ortiz IE, Garry PJ. Outcome of recruitment and report on participation rate in the New Mexico Elder Health Survey. *Ethnicity and Disease* 1998;8:350-359. PMID: 9926905
  93. Wold RS, Lopez ST, Pareo-Tubbeh SL, Baumgartner RN, Romero LJ, Garry PJ, Koehler KM. Helping elderly participants keep 3-day diet records in the New Mexico Aging Process Study. *J*

- Am Diet Assoc. 1998 Mar;98(3):326-32. PMID: 9508017. DOI: 10.1016/S0002-8223(98)00076-5
94. Baumgartner RN, Waters DL, Morley JE, Patrick P, Montoya GD, Garry PJ. Age-related changes in sex hormones affect the sex-difference in serum leptin independently of changes in body fat. *Metabolism*. 1999 Mar;48(3):378-84. doi: 10.1016/s0026-0495(99)90089-6.PMID: 10094117
  95. Paeo-Tubbeh SL, Romero L, Baumgartner RN, Garry PJ, Lindeman RD, Koehler KM. Comparison of energy and nutrient sources in the diets of elderly Hispanic and non-Hispanic whites in New Mexico. *J Am Diet Assoc*. 1999 May;99(5):572-82. doi: 10.1016/S0002-8223(99)00141-8.PMID: 10333779.\
  96. Perry HM, Horowitz M, Morley JE, Patrick P, Vellas B, Baumgartner RN, Garry PJ. Longitudinal changes in serum 25-hydroxyvitamin D in older people. *Metabolism*. 1999 Aug;48(8):1028-32. doi: 10.1016/s0026-0495(99)90201-9.PMID: 10459569.
  97. Morley JE, Perry HM, Baumgartner RN, Garry PJ. Commentary: leptin, adipose tissue and aging - is there a role for testosterone? *J Gerontol A Biol Sci Med Sci*. 1999 Mar;54(3):B108-9; discussion B110. doi: 10.1093/gerona/54.3.b108.PMID: 10191833.
  98. Lindeman RD, Romero LJ, Allen AS, Liang H, Baumgartner RN, Koehler KM, Garry PJ. Alcohol consumption is negatively associated with the prevalence of coronary heart disease in the New Mexico Elder Health Survey. *J Am Geriatr Soc*. 1999 Apr;47(4):396-401. doi: 10.1111/j.1532-5415.1999.tb07229.x.PMID: 10203112.
  99. Nunez C, Gallagher D, Grammes J, Baumgartner RN, Ross R, Heymsfield SB. Bioimpedance analysis: potential for measuring lower limb muscle mass. *JPEN J Parenter Enteral Nutr*. 1999 Mar-Apr;23(2):96-103. doi: 10.1177/014860719902300296.PMID: 10082000
  100. Baumgartner RN, Ross R, Waters DL, Brooks WM, Morley JE, Montoya GD, Garry PJ. Serum leptin in elderly people: associations with sex hormones, insulin, and adipose tissue volumes. *Obes Res*. 1999 Mar;7(2):141-9. doi: 10.1002/j.1550-8528.1999.tb00695.x.PMID: 10102250.
  101. Baumgartner RN, Waters DL, Gallagher D, Morley JE, Garry PJ. Predictors of skeletal muscle mass in elderly men and women. *Mech Ageing Dev*. 1999 Mar 1;107(2):123-36. doi: 10.1016/s0047-6374(98)00130-4.PMID: 10220041
  102. Lindeman RD, Schade DS, LaRue A, Romero L, Liang H-C, Baumgartner RN, Koehler KM, Garry PJ. Subclinical hypothyroidism in a biethnic, urban community. *J Am Geriatr Soc*. 1999 Jun;47(6):703-9. doi: 10.1111/j.1532-5415.1999.tb01593.x.PMID: 10366170
  103. Wang Z, Deurenberg P, Wang W, Pietrobelli A, Baumgartner RN, Heymsfield SB. Hydration of fat-free body mass: review and critique of a classic body composition constant. *Am J Clin Nutr*. 1999 May;69(5):833-41. doi: 10.1093/ajcn/69.5.833.PMID: 10232621
  104. Garry PJ, Baumgartner RN, Brodie SG, Montoya GD, Liang H-C, Lindeman RD, Williams TM. Estrogen replacement therapy, serum lipids, and polymorphism of apolipoprotein E gene. *Clin Chem*. 1999 Aug;45(8 Pt 1):1214-23.PMID: 10430787
  105. Wang Z, Deurenberg P, Wang W, Pietrobelli A, Baumgartner RN, Heymsfield SB. Hydration of fat-free body mass: new physiological modeling approach. *Am J Physiol*. 1999 Jun;276(6):E995-E1003. doi: 10.1152/ajpendo.1999.276.6.E995.PMID: 10362610
  106. Wang Z, Deurenberg P, Pietrobelli A, Baumgartner RN, Heymsfield SB. Hydration of fat-free body mass: a review and critique of a classic body composition constant. *Am J Clin Nutr* 1999;69:883-841.
  107. Gallagher D, Ruts E, Visser M, Heshka S, Baumgartner RN, Wang J, Pierson RN, Pi-Sunyer X, Heymsfield SB. Weight stability masks sarcopenia in elderly men and women. *Am J Physiol Endocrinol Metab*. 2000 Aug;279(2):E366-75. doi: 10.1152/ajpendo.2000.279.2.E366.PMID: 10913037
  108. Waters DL, Brooks WM, Qualls CR, Alaniz J, Baumgartner RN. Activity and sexually dimorphic response to exercise in healthy elderly: a P31 MRS Study. *FASEB J* 2000;14:A49.

109. Garry PJ, Baumgartner RN, Lindeman RD. Serum vitamin B12 concentrations in male and female Hispanic and non-Hispanic white (NHW) medicare participants. *FASEB J* 2000;14:A292.
110. Hicks VL, Stolarczyk LM, Heyward VH, Baumgartner RN. Validation of near-infrared interactance and skinfold methods for estimating body composition in American Indian women. *Med Sci Sports Exerc.* 2000 Feb;32(2):531-9. doi: 10.1097/00005768-200002000-00041.PMID: 10694143
111. Baumgartner RN. Body composition in healthy aging. *Ann N Y Acad Sci.* 2000 May;904:437-48. doi: 10.1111/j.1749-6632.2000.tb06498.x.PMID: 10865787
112. Lockner DW, Heyward VH, Baumgartner RN, Jenkins KA. Comparison of air-displacement plethysmography, hydrodensitometry and DXA for assessing body composition of children 10-18 years of age. *Ann N Y Acad Sci.* 2000 May;904:72-8. doi: 10.1111/j.1749-6632.2000.tb06423.x.PMID: 10865712
113. Lindeman RD, Romero LJ, Koehler KM, Liang H, LaRue A, Baumgartner RN, Garry PJ. Serum vitamin B12 and folate concentrations in the New Mexico Elderly Health Survey. Correlations with cognitive and affective functions and coronary heart disease. *J Am Coll Nutr.* 2000 Feb;19(1):68-76. doi: 10.1080/07315724.2000.10718916.PMID: 10682878
114. Garry PJ, Hunt WC, Baumgartner RN. Effects of iron intake on iron stores in elderly men and women: longitudinal and cross-sectional results. *J Am Coll Nutr.* 2000 Apr;19(2):262-9. doi: 10.1080/07315724.2000.10718925.PMID: 10763908.
115. Chandani AK, Scariano JK, Glew RH, Clemens JD, Garry PJ, Baumgartner RN. Serum levels of aminoterminal propeptides (PINP) and cross-linked N-telopeptides of type I collagen (Ntx) as predictors of bone loss in elderly males. *Bone.* 2000 May;26(5):513-8. doi: 10.1016/S8756-3282(00)00262-3.PMID: 10773592
116. Waters DL, Baumgartner RN, Garry PJ. Sarcopenia: current perspectives. *J Nutr, Health, Aging* 2000;4:133-139. PMID: 10936899
117. Lindeman RD, Romero LJ, Liang H, Baumgartner RN, Koehler KM, Garry PJ. Do older persons need to be encouraged to drink more fluids? *J Gerontol A Biol Sci Med Sci.* 2000 Jul;55(7):M361-5. doi: 10.1093/gerona/55.7.m361.PMID: 10898251
118. Janssen I, Heymsfield SB, Baumgartner RN, Ross R. Estimation of skeletal muscle mass by bioelectric impedance. *J Appl Physiol (1985).* 2000 Aug;89(2):465-71. doi: 10.1152/jappl.2000.89.2.465.PMID: 10926627
119. Vellas BJ, Nourhashemi F, Rolland Y, Lauque S, Ousset PJ, Moulias S, Gillette-Guyonnet, Andrieu S, Fontan B, Adoue D, Lafont Ch, Baumgartner RN, Garry PJ, Albarede JL. Chutes, fragilite et osteoporose chez la personne agee: un probleme de sante publique. [Falls, fragility and osteoporosis in elderly persons: a public health problem] *Rev Med Interne* 2000;21:608-613.
120. Koehler KM, Baumgartner RN, Garry PJ, Allen RH, Stabler SP, Rimm EB. Association of folate intake and serum homocysteine in elderly people according to vitamin supplementation and alcohol use. *Am J Clin Nutr.* 2001 Mar;73(3):628-37. doi: 10.1093/ajcn/73.3.628.PMID: 11237942
121. Vellas B, Lauque S, Andrieu S, Nourhashemi F, Rolland Y, Baumgartner R, Garry P. Nutrition assessment in the elderly. *Curr Opin Clin Nutr Metab Care.* 2001 Jan;4(1):5-8. doi: 10.1097/00075197-200101000-00002.PMID: 11122552.
122. Morley JE, Baumgartner RN, Roubenoff R, Nair KS. Sarcopenia. *J Lab Clin Med.* 2001 Apr;137(4):231-43. doi: 10.1067/mlc.2001.113504.PMID: 11283518
123. Waters DL, Qualls CR, Dorin R, Veldhuis JD, Baumgartner RN. Increased pulsatility, process irregularity, and nocturnal trough concentrations of growth hormone in amenorrheic compared to eumenorrheic athletes. *J Clin Endocrinol Metab.* 2001 Mar;86(3):1013-9. doi: 10.1210/jcem.86.3.7361.PMID: 11238479
124. Chumlea WC, Guo S, Zeller CM, Reo NV, Siervogel RM, Baumgartner RN, Garry PJ, Wang J, Pierson RN, Heymsfield SB, Siervogel RM. Total body water reference values and prediction

- equations for adults. *Kidney Int.* 2001 Jun;59(6):2250-8. doi: 10.1046/j.1523-1755.2001.00741.x.PMID: 11380828
125. Schiff MA, Patterson RE, Baumgartner RN, Masuk M, van Asselt-King L, Wheeler CM, Becker TM. Serum carotenoids and risk of cervical intraepithelial neoplasia in Southwestern American Indian women. *Cancer Epi Biomarkers & Prev* 2001;10(#11):1219-1222. PMID: 11700272
  126. Lindeman RD, Romero LJ, LaRue A, Yau L, Schade DS, Koehler KM, Baumgartner RN, Garry PJ. A biethnic community survey of cognition in participants with type 2 diabetes mellitus, impaired glucose tolerance, and normal glucose tolerance: The New Mexico Elder Health Survey. *Diabetes Care.* 2001 Sep;24(9):1567-72. doi: 10.2337/diacare.24.9.1567.PMID: 11522700
  127. Romero LJ, Lindeman RD, Liang H-C, Koehler KM, Baumgartner RN, Garry PJ. Prevalences of self-reported illnesses in elderly Hispanic and non-Hispanic whites in New Mexico. *Ethnicity and Disease* 2001;11:263-272.
  128. Scariano JK, Garry PJ, Montoya GD, Wilson JM, Baumgartner RN. Critical differences in the serial measurement of three biochemical markers of bone turnover in the sera of pre- and postmenopausal women. *Clin Biochem.* 2001 Nov;34(8):639-44. doi: 10.1016/s0009-9120(01)00273-9.PMID: 11849624
  129. Scariano JK, Garry PJ, Montoya GD, Duran-Valdez E, Baumgartner RN. Diagnostic efficacy of serum cross-linked N-telopeptide (NTx) and aminoterminal procollagen extension propeptide (PINP) measurements for identifying elderly women with decreased bone mineral density. *Scand J Clin Lab Invest.* 2002;62(3):237-43. doi: 10.1080/003655102317475506.PMID: 12088343
  130. Lindeman RD, Romero LJ, Yau CL, Baumgartner RN, Garry PJ. Prevalence of mild impairment in renal function in a random sample of elders from a biethnic community survey. *Int Urol Nephrol.* 2001;33(3):553-7. doi: 10.1023/a:1019590416234.PMID: 12230294
  131. Kim J, Wang ZM, Heymsfield SB, Baumgartner RN, Gallagher D. Total-body skeletal muscle mass: estimation by a new dual-energy X-ray absorptiometry method. *Am J Clin Nutr.* 2002 Aug;76(2):378-83. doi: 10.1093/ajcn/76.2.378.PMID: 12145010
  132. Scariano JK, Garry PJ, Montoya GD, Chandani AK, Wilson JM, Baumgartner RN. Serum leptin levels, bone mineral density and osteoblast alkaline phosphatase activity in elderly men and women. *Mech Ageing Dev.* 2003 Mar;124(3):281-6. doi: 10.1016/s0047-6374(02)00195-1.PMID: 12663125
  133. McTiernan A, Rajan B, Tworoger S, Irwin M, Bernstein L, Baumgartner RN, Gilliland F, Stanczyk F, Yasui Y, Ballard-Barbash R. Adiposity and sex hormones in breast cancer patients. *J Clin Oncol.* 2003 May 15;21(10):1961-6. doi: 10.1200/JCO.2003.07.057.PMID: 12743149
  134. Lindeman RD, Yau L, Baumgartner RN, Garry PJ, Morley JE. Longitudinal study of fasting serum glucose concentrations in health elderly: The New Mexico Aging Process Study. *J Nutr Health Aging* 2003;7:172-7. PMID: 12766795
  135. Waters DL, Brooks WM, Qualls CR, Baumgartner RN. Skeletal muscle mitochondrial function and lean body mass in health exercising elderly. *Mech Ageing Dev.* 2003 Mar;124(3):301-9. doi: 10.1016/s0047-6374(02)00197-5.PMID: 12663127
  136. Lindeman RD, Romero LJ, Yau L, Koehler KM, Baumgartner RN, Garry PJ. Serum homocysteine concentrations and their relation to vitamin B12 and folate concentrations and coronary artery disease prevalence in an urban, biethnic community. *Ethnicity and Disease* 2003;13:178-185. PMID: 12785413
  137. Waters DL, Dorin RI, Qualls CR, Ruby BC, Baumgartner RN, Robergs RA. Estradiol effects on growth hormone/insulin-like growth factor I axis in amenorrheic athletes. *Can J Appl Physiol.* 2003 Feb;28(1):64-78. doi: 10.1139/h03-006.PMID: 12671196
  138. Kenkre PV, Lindeman RD, Yau CL, Baumgartner RN, Garry PJ. Serum insulin concentrations in daily drinkers compared to abstainers in the New Mexico Elder Health Survey. *J Gerontol A Biol*

- Sci Med Sci. 2003 Oct;58(10):M960-3. doi: 10.1093/gerona/58.10.m960.PMID: 14570866
139. Waters DL, Yau CL, Montoya G, Baumgartner RN. Serum sex hormones, IGF1, and IGFBP3 exert a sexually dimorphic effect on lean body mass in aging. *J Gerontol A Biol Sci Med Sci*. 2003 Jul;58(7):648-52. doi: 10.1093/gerona/58.7.m648.PMID: 12865482
  140. Driscoll I, Hamilton DA, Petropoulos H, Yeo RA, Brooks WM, Baumgartner RN, Sutherland RJ. The aging hippocampus: cognitive, biochemical and structural findings. *Cereb Cortex*. 2003 Dec;13(12):1344-51. doi: 10.1093/cercor/bhg081.PMID: 14615299
  141. Lindeman RD, Romero LJ, Baumgartner RN, Garry PJ. Impact of subclinical hypothyroidism on serum total homocysteine concentrations in the New Mexico Elder Health Survey. *Thyroid*. 2003 Jun;13(6):595-600. doi: 10.1089/105072503322238863.PMID: 12930604
  142. Sisk ER, Lockner DW, Wold R, Waters DL, Baumgartner RN. The impact of folic acid fortification of enriched grains on an elderly population: The New Mexico Aging Process Study. *J Nutr Health Aging* 2004;8:140-3. PMID: 15129298
  143. Janssen I, Baumgartner RN, Ross R, Rosenberg IH, Roubenoff R. Skeletal muscle cutpoints associated with elevated physical disability risk in older men and women. *Am J Epidemiol*. 2004 Feb 15;159(4):413-21. doi: 10.1093/aje/kwh058.PMID: 1476964
  144. Irwin M, Crumley D, McTiernan A, Berstein L, Baumgartner RN, Gilliland FD, Kriska A, Ballard-Barbash R. Physical activity before and after breast cancer diagnosis: The Health, Eating, Activity, and Lifestyle (HEAL) Study. *Cancer*. 2003 Apr 1;97(7):1746-57. doi: 10.1002/cncr.11227.PMID: 12655532
  145. Scariano JK, Simplicio S, Montoya GD, Garry PJ, Baumgartner RN. Estrogen receptor beta dinucleotide (CA) repeat polymorphism is significantly associated with bone mineral density in postmenopausal women. *Calcif Tissue Int*. 2004 Jun;74(6):501-8. doi: 10.1007/s00223-003-0170-x.PMID: 15354857
  146. Baumgartner KB, Baumgartner RN, Ballard-Barbash R, Hunt C, Crumley D, Gilliland F, McTiernan A, Bernstein L. Association of body composition and weight history with breast cancer prognostic markers in Hispanic and Non-Hispanic White women. *Am J Epidemiol*. 2004 Dec 1;160(11):1087-97. doi: 10.1093/aje/kwh313.PMID: 15561988.
  147. Irwin ML, McTiernan A, Bernstein L, Gilliland FD, Baumgartner R, Baumgartner K, Ballard-Barbash R. Physical activity levels among breast cancer survivors. *Med Sci Sports Exerc*. 2004 Sep;36(9):1484-91.PMID: 15354027
  148. Baumgartner RN, Wayne SJ, Waters DL, Janssen I, Gallagher D. Sarcopenic-obesity predicts instrumental activities of daily living in the elderly. *Obes Res*. 2004 Dec;12(12):1995-2004. doi: 10.1038/oby.2004.250.PMID: 15687401
  149. Morley JE, Baumgartner RN. Cytokine-related aging process. *J Gerontol A Biol Sci Med Sci*. 2004 Sep;59(9):M924-9. doi: 10.1093/gerona/59.9.m924.PMID: 15472157
  150. Wayne SJ, Lopez ST, Butler LM, Baumgartner KB, Baumgartner RN, Ballard-Barbash R. Changes in dietary intake after diagnosis of breast cancer. *J Am Diet Assoc*. 2004 Oct;104(10):1561-8. doi: 10.1016/j.jada.2004.07.028.PMID: 15389414.
  151. Irwin ML, McTiernan A, Baumgartner RN, Baumgartner KB, Berstein L, Gilliland FD, Ballard-Barbash R. Changes in body fat and weight after a breast cancer diagnosis: influence of demographic, prognostic, and lifestyle factors. *J Clin Oncol*. 2005 Feb 1;23(4):774-82. doi: 10.1200/JCO.2005.04.036.PMID: 15681521
  152. Wold RS, Lopez ST, Yau CL, Butler LM, Pareo-Tubbeh SL, Waters DL, Garry PJ, Baumgartner RN. Increasing trends in elderly persons' use of nonvitamin, nonmineral dietary supplements and concurrent use of medications. *J Am Diet Assoc*. 2005 Jan;105(1):54-63. doi: 10.1016/j.jada.2004.11.002.PMID: 15635346
  153. Lindeman RD, Wayne SJ, Baumgartner RN, Garry PJ. Cognitive function in drinkers compared to

- abstainers in the New Mexico Elder Health Survey. *J Gerontol A Biol Sci Med Sci.* 2005 Aug;60(8):1065-70. doi: 10.1093/gerona/60.8.1065.PMID: 16127114
154. Cesari M, Kritchevsky SB, Baumgartner RN, Atkinson HH, Penninx BW, Lenchik L, Palla SL, Ambrosius WT, Tracy RP, Pahor M. Sarcopenia, obesity and inflammation – results from the Trial of Angiotensin Converting Enzyme Inhibition and Novel Cardiovascular Risk Factor study. *Am J Clin Nutr.* 2005 Aug;82(2):428-34. doi: 10.1093/ajcn.82.2.428.PMID: 16087989
155. Wayne SJ, Vellas BJ, Brodie SB, Garry PJ, Baumgartner RN. Apolipoprotein epsilon-4 allele and problems with orientation are associated with a persistent decline in cognition in community-dwelling elderly persons. *J Gerontol A Biol Sci Med Sci.* 2005 Mar;60(3):375-9. doi: 10.1093/gerona/60.3.375.PMID: 15860477
156. Irwin ML, Aiello EJ, McTiernan A, Baumgartner RN, Baumgartner KB, Bernstein L, Gilliland FD, Ballard-Barbash R. Pre-diagnosis physical activity and mammographic density in breast cancer survivors. *Breast Cancer Res Treat.* 2006 Jan;95(2):171-8. doi: 10.1007/s10549-005-9063-1. Epub 2005 Nov 30.PMID: 16319988
157. Irwin ML, McTiernan A, Bernstein L, Gilliland FD, Baumgartner R, Baumgartner K, Ballard-Barbash R. Relationship of obesity and physical activity with C-peptide, leptin, and insulin-like growth factors in breast cancer survivors. *Cancer Epidemiol Biomarkers Prev.* 2005 Dec;14(12):2881-8. doi: 10.1158/1055-9965.EPI-05-0185.PMID: 16365005
158. Wayne SJ, Baumgartner K, Baumgartner RN, Berstein L, Bowen DJ, Ballard-Barbash R. Diet quality is directly associated with quality of life in breast cancer survivors. *Breast Cancer Res Treat.* 2006 Apr;96(3):227-32. doi: 10.1007/s10549-005-9018-6.PMID: 16538543
159. Fan J, McKean-Cowdin R, Berstein L, Stanczyk FZ, Li AX, Ballard-Barbarsh R, McTiernan A, Baumgartner RN, Gilliland F. An association between a common variant (G972R) in the IRS-1 gene and sex hormone levels in post-menopausal breast cancer survivors. *Breast Cancer Res Treat.* 2006 Oct;99(3):323-31. doi: 10.1007/s10549-006-9211-2. Epub 2006 Jun 5.PMID: 16752222
160. Slattery ML, Sweeney C, Edwards S, Herrick J, Baumgartner KB, Wolff R, Mutaugh M, Baumgartner RN, Giuliano A, Byers T. Body size, weight change, fat distribution and breast cancer risk in Hispanic and non-Hispanic white women. *Breast Cancer Res Treat.* 2007 Mar;102(1):85-101. doi: 10.1007/s10549-006-9292-y.PMID: 17080310
161. Fordyce CA, Heaphy CM, Bisoffi M, Wyaco JL, Joste NE, Mangalik A, Baumgartner KB, Baumgartner R, Hunt WC, Griffith JK. Telomere content correlates with stage and prognosis in breast cancer. *Breast Cancer Res Treat.* 2006 Sep;99(2):193-202. doi: 10.1007/s10549-006-9204-1. Epub 2006 Jun 3.PMID: 16752076
162. Abrahamson PE, Tworoger SS, Aiello EJ, Berstein L, Ulrich CM, Gilliland FD, Stanczyk FZ, Baumgartner RN, Baumgartner KB, Sorensen B, Ballard-Barbash R, McTiernan A. Associations between the CYP17, CYP1B1, COMT and SHBG polymorphisms and serum sex hormones in post-menopausal breast cancer survivors. *Breast Cancer Res Treat.* 2007 Sep;105(1):45-54. doi: 10.1007/s10549-006-9426-2. Epub 2006 Nov 1.PMID: 17077994 .
163. Irwin ML, Aiello EJ, McTiernan A, Berstein L, Gilliland FD, Baumgartner RN, Baumgartner KB, Ballard-Barbash R. Physical activity, body mass index, and mammographic density in postmenopausal breast cancer survivors. *J Clin Oncol.* 2007 Mar 20;25(9):1061-6. doi: 10.1200/JCO.2006.07.3965. Epub 2007 Jan 29.PMID: 17261853
164. Wold RS, Wayne SJ, Waters DL, Baumgartner RN. Behaviors underlying the use of nonvitamin nonmineral dietary supplements in a healthy elderly cohort. *J Nutr Health Aging.* 2007 Jan-Feb;11(1):3-7. PMID: 17315073
165. Slattery ML, Curtin K, Baumgartner R, Sweeney C, Baumgartner R, Giulinao A, Byers T. IL6,

- aspirin, nonsteroidal anti-inflammatory drugs, and breast cancer risk in women living in the southwestern United States. *Cancer Epidemiol Biomarkers Prev.* 2007 Apr;16(4):747-55. doi: 10.1158/1055-9965.EPI-06-0667.PMID: 17416766
166. Slattery ML, Curtin K, Baumgartner R, Edwards S, Sweeney C, Baumgartner K, Giuliano A, Byers T. Active and passive smoking, IL6, ESR1, and breast cancer risk. *Breast Cancer Res Treat.* 2008 May;109(1):101-11. doi: 10.1007/s10549-007-9629-1. Epub 2007 Jun 27.PMID: 17594514
  167. Brock GN, Baumgartner RN, Slattery ML, Byers T, Giuliano A, Baumgartner KB. Validation of clusters derived from genetic marker data. *Genet Epidemiol* 2007;31 (5): 463-464.
  168. Heaphy CM, Baumgartner KB, Bisoffi M, Baumgartner RN, Griffith JK. Telomere content predicts breast cancer survival. *Clin Cancer Res.* 2007 Dec 1;13(23):7037-43. doi: 10.1158/1078-0432.CCR-07-0432.PMID: 18056180.
  169. Slattery ML, Curtin K, Sweeney C, Wolff RK, Baumgartner RN, Baumgartner KB, Giuliano AR, Byers T. Modifying effects of IL-6 polymorphisms on body size-associated breast cancer risk. *Obesity (Silver Spring).* 2008 Feb;16(2):339-47. doi: 10.1038/oby.2007.44.PMID: 18239642 .
  170. Wayne SJ, Neuhouser ML, Ulrich CM, Koprowski C, Baumgartner KB, Baumgartner RN, McTiernan A, Bernstein L, Ballard-Barbash R. Dietary fiber is associated with serum sex hormones and insulin-related peptides in postmenopausal breast cancer survivors. *Breast Cancer Res Treat.* 2008 Nov;112(1):149-58. doi: 10.1007/s10549-007-9834-y. Epub 2007 Dec 5.PMID: 18058020
  171. Pierce BL, Neuhouser ML, Wener MH, Bernstein L, Baumgartner RN, Gilliland FD, Baumgartner KB, Ballard-Barbash R, Sorensen B, McTiernan A, Ulrich CM. Correlates of circulating C-reactive protein and serum amyloid A concentrations in breast cancer survivors. *Breast Cancer Res Treat.* 2009 Mar;114(1):155-67. doi: 10.1007/s10549-008-9985-5. Epub 2008 Apr 10.PMID: 18401703
  172. Neuhouser ML, Sorensen B, Hollis BW, Ambs A, Ulrich CM, McTiernan A, Bernstein L, Wayne S, Gilliland F, Baumgartner K, Baumgartner R, Ballard-Barbash R. Vitamin D insufficiency in a multiethnic cohort of breast cancer survivors. *Am J Clin Nutr.* 2008 Jul;88(1):133-9. doi: 10.1093/ajcn/88.1.133.PMID: 18614733.
  173. Irwin ML, Smith AW, McTiernan A, Ballard-Barbash R, Cronin K, Gilliland FD, Baumgartner RN, Baumgartner KB, Bernstein L. Influence of pre- and postdiagnosis physical activity on mortality in breast cancer survivors: the health, eating, activity, and lifestyle study. *J Clin Oncol.* 2008 Aug 20;26(24):3958-64. doi: 10.1200/JCO.2007.15.9822.PMID: 18711185
  174. Waters DL, Qualls CR, Dorin RI, Veldhuis JD, Baumgartner RN. Altered growth hormone, cortisol, and leptin secretion in healthy elderly persons with sarcopenia and mixed body composition phenotypes. *J Gerontol A Biol Sci Med Sci.* 2008 May;63(5):536-41. doi: 10.1093/gerona/63.5.536.PMID: 18511760
  175. Rolland Y, Czerwinski S, PhD, van Kan GA, Morley JE, Cesari, M, Onder G, Woo J, Baumgartner R, Pillard, F, Boirie Y, Chumlea, WC , Vellas B. Sarcopenia: its assessment, etiology, pathogenesis, consequences and future perspectives. *J Nutr Health Aging.* 2008 Aug-Sep;12(7):433-50. doi: 10.1007/BF02982704.PMID: 18615225
  176. Wayne SJ, Neuhouser ML, Koprowski C, Ulrich CM, Wiggins C, Gilliland F, Baumgartner KB, Baumgartner RN, McTiernan A, Bernstein L, Ballard-Barbash R. Breast cancer survivors who use estrogenic botanical supplements have lower serum estrogen levels than non users. *Breast Cancer Res Treat.* 2009 Sep;117(1):111-9. doi: 10.1007/s10549-008-0224-x. Epub 2008 Oct 18.PMID: 18931907
  177. Heaphy CM, Bisoffi M, Joste NE, Baumgartner KB, Baumgartner RN, Griffith JK. Genomic instability demonstrates similarity between DCIS and invasive carcinomas. *Breast Cancer Res Treat.* 2009 Sep;117(1):17-24. doi: 10.1007/s10549-008-0165-4. Epub 2008 Sep 11.PMID: 18785004

178. Wayne S, Neuhouser ML, Ulrich CM, Koprowski C, Wiggins C, Baumgartner KB, Bernstein L, Baumgartner RN, Gilliland F, McTiernan A, Ballard-Barbash R. Association between alcohol intake and serum sex hormones and peptides differs by tamoxifen use in breast cancer survivors. *Cancer Epidemiol Biomarkers Prev.* 2008 Nov;17(11):3224-32. doi: 10.1158/1055-9965.EPI-08-0171. Epub 2008 Oct 28.PMID: 18957523
179. Wang C, Baumgartner RN, Yang D, Slattery ML, Murtaugh MA, Byers T, Hines LM, Giuliano AR, Baumgartner KB. No evidence of association between breast cancer risk and dietary carotenoids, retinols, vitamin C and tocopherols in Southwestern Hispanic and non-Hispanic White women. *Breast Cancer Res Treat.* 2009 Mar;114(1):137-45. doi: 10.1007/s10549-008-9979-3. Epub 2008 Aug 1.PMID: 18670874
180. Pierce BL, Ballard-Barbash R, Bernstein L, Baumgartner RN, Neuhouser ML, Wener MH, Baumgartner KB, Gilliland FD, Sorensen BE, McTiernan A, Cornelia M, Ulrich CM. Elevated Biomarkers of Inflammation Are Associated With Reduced Survival Among Breast Cancer Patients. *J Clin Oncol.* 2009 Jul 20;27(21):3437-44. doi: 10.1200/JCO.2008.18.9068. Epub 2009 May 26.PMID: 19470939
181. Waters DL, Mullins PG, Qualls CR, Raj DS, Gasparovic C, Baumgartner RN. Mitochondrial function in physically active elders with sarcopenia. *Mech Ageing Dev.* 2009 May;130(5):315-9. doi: 10.1016/j.mad.2009.01.006. Epub 2009 Feb 6.PMID: 19428449
182. Vancleave TT, Moore JH, Benford ML, Brock GN, Kalbfleisch T, Baumgartner RN, Lillard JW Jr, Kittles RA, Kidd LC. Interaction among variant vascular endothelial growth factor (VEGF) and its receptor in relation to prostate cancer risk. *Prostate.* 2010 Mar 1;70(4):341-52. doi: 10.1002/pros.21067.PMID: 19908237
183. Neuhouser ML, Nojomi M, Baumgartner RN, Baumgartner KB, Gilliland F, Bernstein L, Stanczyk F, Ballard-Barbash R, McTiernan A. Dietary fat, tamoxifen use and circulating sex hormones in postmenopausal breast cancer survivors. *Nutr Cancer.* 2010;62(2):164-74. doi: 10.1080/01635580903305359.PMID: 20099190
184. Neuhouser ML, Bernstein L, Hollis BW, Xiao L, Ambs A, Baumgartner K, Baumgartner R, McTiernan A, Ballard-Barbash R. Serum Vitamin D and Breast Density in Breast Cancer Survivors. *Cancer Epidemiol Biomarkers Prev.* 2010 Feb;19(2):412-7. doi: 10.1158/1055-9965.EPI-09-0774. Epub 2010 Jan 19.PMID: 20086111
185. Waters DL, Baumgartner RN, Garry PJ, Vellas B. Advantages of dietary, exercise-related, and therapeutic interventions to prevent and treat sarcopenia in adult patients: an update. *Clin Interv Aging.* 2010 Sep 7;5:259-70. doi: 10.2147/cia.s6920.PMID: 20852673
186. Irwin ML, Duggan C, Wang CY, Smith AW, McTiernan A, Baumgartner RN, Baumgartner KB, Bernstein L, Ballard-Barbash R. Fasting C-peptide levels and death resulting from all causes and breast cancer: the health, eating, activity, and lifestyle study. *J Clin Oncol.* 2011 Jan 1;29(1):47-53. doi: 10.1200/JCO.2010.28.4752. Epub 2010 Nov 29.PMID: 21115859
187. Duggan C, Irwin ML, Xiao L, Henderson KD, Smith AW, Baumgartner RN, Baumgartner KB, Bernstein L, Ballard-Barbash R, McTiernan A. Associations of insulin resistance and adiponectin with mortality in women with breast cancer. *J Clin Oncol.* 2011 Jan 1;29(1):32-9. doi: 10.1200/JCO.2009.26.4473. Epub 2010 Nov 29.PMID: 21115858
188. Belle FN, Kampman E, McTiernan A, Bernstein L, Baumgartner K, Baumgartner R, Ambs A, Ballard-Barbash R, Neuhouser ML. Dietary Fiber, Carbohydrates, Glycemic Index, and Glycemic Load in Relation to Breast Cancer Prognosis in the HEAL Cohort. *Cancer Epidemiol Biomarkers Prev.* 2011 May;20(5):890-9. doi: 10.1158/1055-9965.EPI-10-1278. Epub 2011 Mar 23.PMID: 21430298
189. Waters DL, Baumgartner RN. Sarcopenia and obesity. *Clin Geriatr Med.* 2011 Aug;27(3):401-21. doi: 10.1016/j.cger.2011.03.007.PMID: 21824555



190. Dee A, McKean-Cowdin R, Neuhaus ML, Ulrich C, Baumgartner RN, McTiernan A, Baumgartner K, Alfano CM, Ballard-Barbash R, Bernstein L. DEXA measures of body fat percentage and acute phase proteins among breast cancer survivors: a Cross-Sectional Analysis. *BMC Cancer*. 2012 Aug 8;12:343. doi: 10.1186/1471-2407-12-343.PMID: 22873489.
191. Connor A, Baumgartner RN, Kerber RA, O'Brien E, Rai SN, Wolff RK, Slattery ML, Giuliano AR, Risendal BC, Byers TE, Baumgartner KB. ADRB2 G-G haplotype associated with breast cancer risk among Hispanic and non-Hispanic white women: interaction with type 2 diabetes and obesity. *Cancer Causes Control*. 2012 Oct;23(10):1653-63. doi: 10.1007/s10552-012-0043-6. Epub 2012 Aug 5.PMID: 22864926
192. Duggan C, Wang CY, Neuhaus ML, Xiao L, Smith AW, Reding KW, Baumgartner RN, Baumgartner KB, Bernstein L, Ballard-Barbash R, McTiernan A. Associations of insulin-like growth factor and insulin-like growth factor binding protein-3 with mortality in women with breast cancer. *Int J Cancer*. 2013 Mar 1;132(5):1191-200. doi: 10.1002/ijc.27753. Epub 2012 Sep 1.PMID: 22847383
193. Villaseñor A, Ballard-Barbash R, Baumgartner K, Baumgartner R, Bernstein L, McTiernan A, Neuhaus ML. Prevalence and prognostic effect of sarcopenia in breast cancer survivors: the HEAL Study. *J Cancer Surviv*. 2012 Dec;6(4):398-406. doi: 10.1007/s11764-012-0234-x. Epub 2012 Oct 4.PMID: 23054848
194. Connor AE, Baumgartner RN, Baumgartner KB, Kerber RA, Pinkston C, John EM, Torres-Mejia G, Hines L, Giuliano A, Wolff RK, Slattery ML. Associations between TCF7L2 polymorphisms and risk of breast cancer among Hispanic and non-Hispanic White women. *Breast Cancer Res Treat*. 2012 Nov;136(2):593-602. doi: 10.1007/s10549-012-2299-7. Epub 2012 Oct 21.PMID: 23085767
195. Villaseñor A, Ballard-Barbash R, Ambs A, Bernstein L, Baumgartner K, Baumgartner R, Ulrich CM, Hollis BW, McTiernan A, Neuhaus ML. Associations of serum 25-hydroxyvitamin D with overall and breast cancer-specific mortality in a multiethnic cohort of breast cancer survivors. *Cancer Causes Control*. 2013 Apr;24(4):759-67. doi: 10.1007/s10552-013-0158-4. Epub 2013 Jan 30.PMID: 23361338
196. Yang D, Baumgartner RN, Slattery ML, Wang C, Giuliano AR, Murtaugh MA, Risendal BC, Byers T, Baumgartner KB. Dietary intake of folate, B-vitamins and methionine and breast cancer risk among Hispanic and non-Hispanic white women. *PloS ONE* 2013;8(2):e54495. doi: 10.1371/journal.pone.0054495. Epub 2013 Feb 11
197. Langman LJ, Korman E, Stauble E, Boswell MV, Baumgartner RN, Jortani SA. Therapeutic monitoring of opioids: a sensitive LC-MS/MS method for quantification of several opioids including hydrocodone and its metabolites. *Ther Drug Monit*. 2013 Jun;35(3):352-9. doi: 10.1097/FTD.0b013e318283e29a.PMID: 23666565
198. Connor AE, Baumgartner RN, Pinkston C, Baumgartner KB. Obesity and risk of breast cancer mortality in Hispanic and non-Hispanic white women in a long-term assessment: The New Mexico Women's Health Study. *J Women's Health* 2013 Apr;22(4):368-77. doi: 10.1089/jwh.2012.4191. Epub 2013 Mar 26.
199. Connor AE, Baumgartner RN, Yang D, Slattery ML, Giuliano AR, Risendal BC, Abdel-Maksoud MD, Baumgartner KB. Differences between Hispanic and non-Hispanic white women with breast cancer for clinical characteristics and their correlates. *Ann Epidemiol*. 2013 Apr;23(4):227-32. doi: 10.1016/j.annepidem.2012.12.013. Epub 2013 Jan 28.
200. Pinkston CM, Baumgartner RN, Baumgartner KB. Physical activity and survival in Hispanic and non-Hispanic white long-term breast cancer survivors and population-based controls. *Am J Epid* 2013 (under review).
201. Dee A, McKean-Cowdin R, Neuhaus ML, Ulrich C, Baumgartner RN, McTiernan A, Baumgartner KB, Alfano CM, Ballard-Barbash R, Bernstein L. DEXA measures of body fat

- percentage and acute phase proteins among breast cancer survivors. *BMC Cancer*. 2012 Aug 8;12:343. doi: 10.1186/1471-2407-12-343
202. Imayama I, Alfano C, Neuhaus ML, George SM, Smith AW, Baumgartner RN, Baumgartner KB, Ballard-Barbash R, McTiernan A. Weight, inflammation, cancer-related symptoms and health-related quality of life among breast cancer survivors. *Breast Cancer Res Treat*. 2013 Jul;140(1):159-76. doi: 10.1007/s10549-013-2594-y.PMID: 23797178
203. Boswell MV, Stauble ME, Loyd GE, Langman L, Ramey-Hartung B, Baumgartner RN, Tucker WW, Jortani SA. The role of hydromorphone and OPRM1 in pain relief with hydrocodone in post-cesarean section patients. *Pain Physician*. 2013 May-Jun;16(3):E227-35. PMID: 23703421
204. Mason C, Alfano CM, Smith AW, Wang CY, Neuhaus ML, Duggan C, Bernstein L, Baumgartner KB, Baumgartner RN, Ballard-Barbash R, McTiernan A. Long-term physical activity trends in breast cancer survivors. *Cancer Epidemiol Biomarkers Prev*. 2013 Jun;22(6):1153-61. doi: 10.1158/1055-9965.EPI-13-0141. Epub 2013 Apr 10.PMID: 23576689
205. Boone SD, Baumgartner KB, Baumgartner RN, Connor AE, Pinkston CM, John EM, Hines LM, Stern MC, Giuliano AR, Torres-Mejia G, Brock GN, Groves FD, Kerber RA, Wolff RK, Slattery ML. Associations between genetic variants in the TGF- $\beta$  signaling pathway and breast cancer risk among Hispanic and non-Hispanic white women. *Breast Cancer Res Treat*. 2013 Sep;141(2):287-97. doi: 10.1007/s10549-013-2690-z. Epub 2013 Sep 14.
206. Connor AE, Baumgartner RN, Baumgartner KB, Pinkston C, John EM, Torres-Mejia G, Hines L, Giuliano A, Wolff RK, Slattery ML. Epidermal growth factor receptor (EGFR) polymorphisms and breast cancer among Hispanic and non-Hispanic white women: the Breast Cancer Health Disparities Study. *Int J Mol Epidemiol Genet*. 2013 Nov 28;4(4):235-49. eCollection 2013.PMID: 24319539
207. Stauble ME, Moore AW, Langman LJ, Boswell MV, Baumgartner R, McGee S, Metry J, Jortani SA. Hydrocodone in postoperative personalized pain management: Pro-drug or drug? *Clin Chim Acta*. 2013 Nov 21;429C:26-29. doi: 10.1016/j.cca.2013.11.015. [Epub ahead of print]
208. Duggan C, Ballard-Barbash R, Baumgartner RN, Baumgartner KB, Bernstein L, McTiernan A. Associations between the null mutation in GSTt and GSTm, the GST Ile105Val polymorphism and mortality in the HEAL cohort. *Springerplus*. 2013 Sep 11;2:450. doi: 10.1186/2193-1801-2-450. eCollection 2013.PMID: 24083102.
209. Duggan C, Risques RA, Alfano CM, Prunkard D, Imayama I, Baumgartner KB, Baumgartner RN, Bernstein L, Ballard-Barbash R, Rabinovitch PS, McTiernan A. Change in peripheral blood leukocyte telomere length and mortality in breast cancer survivors. *J Natl Cancer Inst*. 2014 Apr;106(4):dju035. doi: 10.1093/jnci/dju035. Epub 2014 Mar 13.PMID: 24627273
210. George SM, McTiernan A, Villaseñor A, Alfano CM, Irwin ML, Neuhaus ML, Baumgartner RN, Baumgartner KB, Bernstein L, Smith AW, Ballard-Barbash R. Disentangling the body weight-bone mineral density association among breast cancer survivors: an examination of the independent roles of lean mass and fat mass. *BMC Cancer*. 2013 Oct 25;13:497. doi: 10.1186/1471-2407-13-497.PMID: 24161130
211. Boone SD, Baumgartner KB, Pinkston CM, Yang D, Joste NE, Baumgartner RN. The joint contribution of triple negative tumor status and education to breast cancer survival disparity among Hispanic and non-Hispanic white women. *Cancer Causes Control*. 2014 Mar;25(3):273-82. doi: 10.1007/s10552-013-0329-3. Epub 2013 Dec 14.
212. George SM, Alfano CM, Neuhaus ML, Smith AW, Baumgartner RN, Baumgartner KB, Bernstein L, Ballard-Barbash R. Better postdiagnosis diet quality is associated with less cancer-related fatigue in breast cancer survivors. *J Cancer Surviv*. 2014 Dec;8(4):680-7. doi: 10.1007/s11764-014-0381-3. Epub 2014 Jul 8.PMID: 25001403
213. George SM, Bernstein L, Smith AW, Neuhaus ML, Baumgartner KB, Baumgartner RN, Ballard-

- Barbash R. Central adiposity after breast cancer diagnosis is related to mortality in the Health, Eating, Activity and Lifestyle Study. *Breast Cancer Res Treat.* 2014 Aug;146(3):647-55. doi: 10.1007/s10549-014-3048-x. Epub 2014 Jul 24. PMID: 25056184.
214. Connor AE, Baumgartner RN, Baumgartner KB, Pinkston K, Boone SD, John EM, Torres- Mejia G, Hines LM, Giuliano AR, Wolff RK, Slattery ML. Associations between ALOX, COX, and CRP polymorphisms and breast cancer among Hispanic and non-Hispanic white women: The Breast Cancer Health Disparities Study. *Mol Carcinog* 2014; Oct 22. doi: 10.1002/mc.22228. [Epub ahead of print].
215. Boone SD, Baumgartner KB, Baumgartner RN, Connor AE, Pinkston K, Rai SN, Riley E, John EM, Hines LM, Stern M, Torres- Mejía G, Giuliano AR, Wolff RK, Slattery ML. Associations between CYP19A1 polymorphisms, Native American ancestry, and breast cancer risk and mortality: the Breast Cancer Health Disparities Study. *Cancer Causes & Control* 2014; Nov;25(11):1461-71. doi: 10.1007/s10552-014-0448-5. Epub 2014 Aug 5.
216. Winters SJ, Gogineni J, Karegar M, Scoggins C, Baumgartner R, Ghooray DT. Sex hormone-binding globulin gene expression in human liver and insulin resistance. *J Clin Endocrinol Metab.* 2014 Dec;99(12):E2780-8. doi: 10.1210/jc.2014-2640.
217. Donneyong M, Hornung CA, Taylor KC, Baumgartner RN, Myers J, Eaton CB, Gorodeski E, Klein L, Martin LW, Shikany JM, Song Y, Li W, Manson JE. Risk of heart failure among postmenopausal women: a secondary analysis of the randomized trial of vitamin d plus calcium of the women's health initiative study. *Circ Heart Fail.* 2015 Jan;8(1):49-56. doi: 10.1161/CIRCHEARTFAILURE.114.001738. Epub 2014 Nov 14. PMID: 25398967
218. Appiah D, Winters SJ, Allison MA, Baumgartner RN, Groves FD, Myers J, Hornung CA. Cardiovascular disease among diabetic women with and without bilateral oophorectomy. *Diabetes Res Clin Pract.* 2015 Jun;108(3):473-81. doi: 10.1016/j.diabres.2015.02.017. Epub 2015 Feb 25. PMID: 25790898
219. Das N, Baumgartner RN, Pinkston CM, Yang D, Baumgartner KB. Treatment-related risk factors for arm lymphedema among long-term breast cancer survivors. *J Cancer Surviv.* 2015 Sep;9(3):422-30. doi: 10.1007/s11764-014-0416-9. Epub 2015 Apr 26. PMID: 25913877
220. Pinkston CM, Baumgartner RN, Baumgartner KB. Physical activity and survival in Hispanic and non-Hispanic white long-term breast cancer survivors and population-based controls. *J Cancer Surviv.* 2015 Dec;9(4):650-9. doi: 10.1007/s11764-015-0441-3. Epub 2015 Mar 5. PMID: 25739862
221. Oyarzun-Gonzalez XA, Taylor KC, Myers SR, Muldoon SB, Baumgartner RN. Cognitive decline and polypharmacy in an elderly population. *J Am Geriatr Soc.* 2015 Feb;63(2):397-9. doi: 10.1111/jgs.13283. PMID: 25688619
222. Peiper N, Clayton R, Wilson R, Illback R, O'Brien L, Kerber R, Baumgartner RN, Hornung C. Empirically derived subtypes of serious emotional disturbance in a large adolescent sample. *Soc Psychiatry Psychiatr Epidemiol.* 2015 Jun;50(6):983-94. doi: 10.1007/s00127-015-1017-2. Epub 2015 Feb 5. PMID: 25652591
223. Paynter CA, Van Treeck BJ, Verdenius I, Lau AWY, Dhawan T, Lash KA, Bergamini EA, Ekekezie CN, Hilal AM, James KN, Alongi S, Harper SA, Bonham AJ, Baumgartner KB, Baumgartner RN, Harper DM. Adherence to Cervical Cancer Screening Varies by Gardasil™ Status in a High-Risk US Population. *Prev Med Rep.* 2015 Jul 31;2:711-6. doi: 10.1016/j.pmedr.2015.07.011. eCollection 2015. PMID: 26844141
224. Boone SD, Baumgartner KB, Baumgartner RN, Connor AE, John EM, Giuliano AR, Hines LM, Rai SN, Riley EC, Pinkston CM, Wolff RK, Slattery ML. Active and passive cigarette smoking and mortality among Hispanic and non-Hispanic white women diagnosed with invasive breast cancer. *Ann Epidemiol.* 2015 Nov;25(11):824-31. doi: 10.1016/j.annepidem.2015.08.007. Epub 2015 Aug 28. PMID: 26387598.

225. Connor AE, Baumgartner KB, Baumgartner RN, Pinkston CM, Boone SD, John EM, Torres-Mejía G, Hines LM, Giuliano AR, Wolff RK, Slattery ML. Cigarette smoking and breast cancer risk in Hispanic and non-Hispanic white women from the Breast Cancer Health Disparities Study. *J Womens Health (Larchmt)*. 2016 Mar;25(3):299-310. doi: 10.1089/jwh.2015.5502. Epub 2015 Dec 18. PMID: 26682495
226. Connor AE, Baumgartner RN, Pinkston CM, Boone SD, Baumgartner KB. Obesity, ethnicity, and quality of life among breast cancer survivors and women without breast cancer: the long-term quality of life follow-up study. *Cancer Causes Control*. 2016 Jan;27(1):115-24. doi: 10.1007/s10552-015-0688-z. Epub 2015 Oct 30. PMID: 26518195
227. Duggan C, Stanczyk F, Campbell K, Neuhouser ML, Baumgartner RN, Baumgartner KB, Bernstein L, Ballard R, McTiernan A. Associations of sex steroid hormones with mortality in women with breast cancer. *Breast Cancer Res Treat*. 2016 Feb;155(3):559-67. doi: 10.1007/s10549-016-3704-4. Epub 2016 Feb 10. PMID: 26865065
228. Connor AE, Visvanathan K, Baumgartner KB, Baumgartner RN, Boone SD, Hines LM, Wolff RK, John EM, Slattery ML. Ethnic differences in the relationships between diabetes, early age adiposity and mortality among breast cancer survivors: the Breast Cancer Health Disparities Study. *Breast Cancer Res Treat*. 2016 May;157(1):167-78. doi: 10.1007/s10549-016-3810-3. Epub 2016 Apr 26. PMID: 27116186
229. Boone SD, Pinkston CM, Baumgartner KB, Baumgartner RN, Paynter SA, Harper SM, Bonham AJ, Harper DM. Associations between prior HPV4 vaccination doses and cervical cancer screening participation. *Cancer Epidemiol*. 2016 Jun;42:108-14. doi: 10.1016/j.canep.2016.04.003. Epub 2016 Apr 18. PMID: 27100836
230. Dharashivkar S, Wasser L, Baumgartner RN, King JC, Winters SJ. Obesity, maternal smoking and SHBG in neonates. *Diabetology & Met Syndrome* 2016;47. doi: 10.1186/s13098-016-0158-0. eCollection 2016. PMID: 27462374
231. Neuhouser ML, Smith A, George SM, Baumgartner KB, Baumgartner RN, Duggan C, Bernstein L, McTiernan A, Ballard-Barbash R. Use of complimentary and alternative medicine and breast cancer survival in the Health, Eating, Activity and Lifestyle Study. *Breast Cancer Res Treat*. 2016 Dec;160(3):539-546. doi: 10.1007/s10549-016-4010-x. Epub 2016 Oct 21. PMID: 27766453
232. Connor AE, Visvanathan K, Baumgartner KB, Baumgartner RN, Boone SD, Hines L, Wolff RK, John EM, Slattery ML. Pre-diagnostic breastfeeding, adiposity and mortality among parous Hispanic and non-Hispanic white women with invasive breast cancer: The Breast Cancer Health Disparities Study. *Breast Cancer Res Treat*. 2017 Jan;161(2):321-331. doi: 10.1007/s10549-016-4048-9. Epub 2016 Nov 11. PMID: 27837379
233. Connor AE, Baumgartner KB, Pinkston CM, Boone SD, Baumgartner RN, Hines LM, Stern MC, Torres-Mejía G, John EM, Slattery ML. Response to Conner et al. Re: "Cigarette Smoking and Breast Cancer Risk in Hispanic and Non-Hispanic White Women: The Breast Cancer Health Disparities Study". *J Womens Health (Larchmt)*. 2017 Jan;26(1):92-93. doi: 10.1089/jwh.2016.6292. Epub 2017 Jan 4. No abstract available. PMID: 28051904
234. Heitz AE, Baumgartner RN, Baumgartner KB, Boone SD. Healthy lifestyle impact on breast cancer-specific and all-cause mortality. *Breast Cancer Res Treat*. 2018 Jan;167(1):171-181. doi: 10.1007/s10549-017-4467-2. Epub 2017 Aug 31. PMID: 28861753
235. Xia Z, Baumgartner KB, Baumgartner RN, Boone SD, Hines LM, John EM, Wolff R, Slattery ML, Connor AE. Associations between ALDH1A1 polymorphisms, alcohol consumption, and mortality among Hispanic and non-Hispanic white women diagnosed with breast cancer: the Breast Cancer Health Disparities Study. *Breast Cancer Res Treat*. 2018 Apr;168(2):443-455. doi: 10.1007/s10549-017-4600-2. Epub 2017 Nov 30. PMID: 29190005
236. Duggan C, Baumgartner RN, Baumgartner KB, Bernstein L, George S, Ballard R, Neuhouser ML,

- McTiernan A. Genetic variation in TNF $\alpha$ , PPAR $\gamma$ , and IRS-1 genes, and their association with breast-cancer survival in the HEAL cohort. *Breast Cancer Res Treat.* 2018 Apr;168(2):567-576. doi: 10.1007/s10549-017-4621-x. Epub 2017 Dec 18. PMID: 29256014
237. Appiah D, Baumgartner RN. The Influence of Education and Apolipoprotein  $\epsilon$ 4 on Mortality in Community-Dwelling Elderly Men and Women. *J Aging Res.* 2018 Mar 25;2018:6037058. doi: 10.1155/2018/6037058. eCollection 2018. PMID: 29770230 Free PMC Article doi: 10.1155/2018/6037058
238. Connor AE, Visvanathan K, Boone SD, Rifai N, Baumgartner KB, Baumgartner RN. Fructosamine and diabetes as predictors of mortality among Hispanics and non-Hispanic white breast cancer survivors. *NPJ Breast Cancer*, Jan, 2019, 7(5):3. [doi: 10.1038/s41523-018-0099-x]. PMID: 30675513.
239. States V, O'Brien S, Rai JP, Roberts HL, Paas M, Feagins K, Pierce EJ, Baumgartner RN, Galandiuk S. Pyoderma gangrenosum in inflammatory bowel disease: a systematic review and meta-analysis. *Digestive Diseases & Sciences*, Sept 2020, Vol 65 (9):2675-2685. doi: 10.1007/s10620-019-05999-4
240. Cao Y, Baumgartner KB, Visvanathan K, Boone SD, Baumgartner RN, Connor AE. Ethnic and biological differences in the association between physical activity and survival after breast cancer. *NPJ Breast Cancer*, Oct 2020, Vol 6(1): DOI: 10.1038/s41523-020-00194-5
241. Dibble KE, Baumgartner RN, Boone SD, Baumgartner KB, Connor AE. Physical activity, ethnicity, and quality of life among breast cancer survivors and population-based controls: the long-term quality of life follow-up study. *Breast Cancer Res Treat.* 2021 Aug;189(1):247-256. doi: 10.1007/s10549-021-06261-0. Epub 2021 May 29. doi: 10.1007/s10549-021-06261-0
242. Togawa K, Ma H, Smith AW, Neuhaus ML, George SM, Baumgartner KB, McTiernan A, Baumgartner R, Ballard RM, Berstein L. *Sci Rep* 2021 21:11:10701. doi: 10.1038/s41598-021-89055-0.PMID: 34021179
243. Connor AE, Dibble KE, Boone SD, Baumgartner KB, Baumgartner RN. Systemic inflammation and risk of all-cause mortality after invasive breast cancer diagnosis among Hispanic and non-Hispanic white women from New Mexico. *Cancer Epidemiol.* 2022 Feb;76:102092. doi: 10.1016/j.canep.2021.102092
244. Dibble KE, Baumgartner RN, Boone SD, Baumgartner KB, Connor AE. Treatment-related side effects among Hispanic and non-Hispanic white long-term breast cancer survivors by tamoxifen use and duration. *Breast Cancer Res Treat* 2023;199:155-172. Doi:10.1007/s10549-023-06900
245. Blair LK, Howard J, Peiper NC, Little BB, Taylor KC, Baumgartner R, Creel L, Dupre NC. Residence in urban or rural counties in relation to opioid overdose mortality among Kentucky hospitalizations before and after the COVID-19 pandemic. *Int J Drug Policy* 2023;119:104122. doi: 10.1016/j.drugpo.2023.104122. Epub 2023 Jul 18.PMID: 37473677.

**Manuscripts in review or under development:**

1. Riggs, D, Baumgartner KB, Baumgartner RB, Boone, SB, Judd, SE, Bhatnagar, A (2023). Association between Residential Greenness and Risk of Stroke by Ecoregions: The REGARDS Study. Submitted to *American Journal of Epidemiology* May 2023 and under revision for resubmission.
2. Riggs, D, Baumgartner KB, Baumgartner RB, Boone, SB, Judd, SE, Bhatnagar, A (2023). Long-Term Exposure to Air Pollution and Risk of Stroke by Ecoregions: The REGARDS Study. Submitted to *Environmental Health Perspectives* May 2023.
3. Blair LK, Karimi S, Peiper NC, Little BB, Taylor KC, Baumgartner R, DuPre NC. Evaluating State-Level Kratom Legislation and Opioid Overdose Mortality in the United States: an interrupted time series analysis.

4. Blair LK, Howard J, Peiper NC, Little BB, Taylor KC, Baumgartner R, DuPre NC. Socioeconomic Status Patterns in Relation to Opioid Overdose Mortality Rates in United States Counties, 2010-2019.
5. Reece EK, Unseld M, Gaskins J, Peiper N, Ali T, Baumgartner R, Corbitt C, Smith T, Tomlinson M, Bhatnagar A, Taylor KC. Protest-related tear gas exposure and menstrual function.

### **Book Chapters and Reports**

1. Roche AF, Baumgartner RN, Guo S. Population methods: anthropometry or estimations. In, Norgan NG (ed), Human body composition and fat distribution. Report of a workshop, London 10-12 December 1985. Euronut Report 8, 1987, pp 31-48.
2. Chumlea WC, Baumgartner RN, Roche AF. Segmental bioelectric impedance measures of body composition. In, Ellis KJ, Yasumura S, Morgan WD (eds.), In Vivo Body Composition Studies: Proceedings of an international symposium held at Brookhaven National Laboratory, New York on September 28-October 1, 1986. IPSM: London, 1987, pp.103-7.
3. Roche AF, Baumgartner RN Tracking in fat distribution during growth. In, Johnston FE, Bouchard C (eds), Fat distribution and metabolic risk factors during growth and later health outcomes. Alan R Liss: New York, 1988. pp. 147-162.
4. Siervogel, RM, Baumgartner RN Body fat distribution and its relationship to blood pressure level. In Johnston FE, Bouchard C (eds), Fat distribution and metabolic risk factors during growth and later health outcomes. Alan R Liss: New York, 1988. pp. 243-261.
5. Vellas BJP, Chumlea WC, Baumgartner RN. Étude de statut anthropométrique et des différents compartiments tissulaires du corps âgé. In, Albarede J-P, Vellas P, Rousaud D (eds), L'Année Gérontologique. Maloine: Paris, 1989, pp. 129-134.
6. Baumgartner RN, Chumlea WC, Roche AF. Impedance for body composition. In, Pandolf KB (ed), Exerc. Sport Sci. Rev., Vol. 18. Williams and Wilkins: Baltimore, 1990, pp. 193-224.
7. Chumlea WC, Baumgartner RN, Mitchell CO. The use of segmental bioelectric impedance in estimating body composition. In, Yasamura S, Harrison JE, McNeil AD, Woodhead AD, Dilmanian FA (eds), In Vivo Body Composition Studies. Plenum Press: New York, 1990.
8. Roche AF, Baumgartner RN, Guo S. Anthropometry: classical and modern approaches. In, Whitehead R, Prentice A (eds), New Techniques in Nutrition Research. Academic Press: New York, 1990.
9. Heymsfield SB, Lichtman S, Baumgartner RN, Kamen Y. Assessment of body composition: an overview. In, Brodoff B, Björntorp P (eds), Obesity. JB Lippincott: Philadelphia, 1992.
10. Baumgartner RN. New approaches to the assessment of body composition in elderly persons. In: Vellas B, Albarede JL (eds), Facts and Research in Gerontology. Springer Pub: New York, 1992, pp. 51-61.
11. Vellas B, Garry PJ, Wayne SJ, Baumgartner RN, Albarede JL. A comparative study of falls, gait and balance in elderly persons living in North-America (Albuquerque, USA) and Europe (Toulouse, France): methodology and preliminary results. In: Vellas B, Toupet M, Rubenstein L, Albarede JL, Christen Y (eds), Falls, Balance and Gait Disorders in the Elderly. Elsevier, London, 1992, pp.93-116.
12. Chumlea WC, Baumgartner RN. Body composition, morbidity, and mortality. In, Marriott BM, Grumstrup-Scott J (eds), Body Composition and Physical Performance: Applications for the Military Services. National Academy Press, Washington, DC, 1992, pp. 175-183.
13. Baumgartner RN, Rhyne RL, Garry PJ. Body composition in the elderly from MRI: associations with cardiovascular disease risk factors. In, Ellis K, Eastman J (eds), Human Body Composition: In Vivo Methods, Models, and Assessment. New York: Plenum Press, 1993: 35-8.

14. McHugh D, Baumgartner RN, Stauber PJ, Wayne SJ, Hicks VL, Heyward VH. Bone mineral in Native American women from New Mexico. In, Ellis K, Eastman J (eds), Human Body Composition: In Vivo Methods, Models, and Assessment. New York: Plenum Press, 1993: 87-9.
15. Baumgartner RN, Stauber PJ, McHugh D, Wayne SJ, Heymsfield SB, Garry PJ. Body composition in the elderly using multicompartmental methods. In, Ellis K, Eastman J (eds), Human Body Composition: In Vivo Methods, Models, and Assessment. New York: Plenum Press, 1993: 251-4.
16. Hicks VL, Heyward VH, Baumgartner RN, Flores AJ, Stolarczyk LM, Wotruba EA. Body composition of Native American women estimated by dual-energy x-ray absorptiometry and hydrodensitometry. In, Ellis K, Eastman J (eds), Human Body Composition: In Vivo Methods, Models, and Assessment. New York: Plenum Press, 1993: 89-93.
17. Chumlea WC, Guo SS, Siervogel RM, Cockram DB, Hayes J, Baumgartner RN. Determination of body fluid compartments with multiple frequency bioelectric impedance. In, Ellis K, Eastman J (eds), Human Body Composition: In Vivo Methods, Models, and Assessment. New York: Plenum Press, 1993: 23-6.
18. Chumlea WC, Baumgartner RN, Guo S. Segmental bioelectric impedance, subcutaneous adipose tissue, and fat patterns in adults. In, Kral JG, VanItallie TB, Recent developments in body composition analysis: methods and applications. Smith-Gordon: London, 1993.
19. Heymsfield SB, Waki M, Lichtman S, Baumgartner RN. Multicompartment chemical models of human body composition: recent advances and potential applications. In, Kral JG, VanItallie TB, Recent developments in body composition analysis: methods and applications. Smith-Gordon: London, 1993.
20. Vellas BJ, Baumgartner RN, Romero LJ, Wayne SJ, Garry PJ. Incidence and consequences of falls in free-living healthy elderly persons. In: Albarede JL, Garry PJ, Vellas P (eds), Facts and Research in Gerontology, Vol 7. Springer Pub: New York, 1993: 131-142.
21. Vellas BJ, Baumgartner RN, Garry PJ, Albarede J-L. The roles of nutrition and body composition in falls, gait and balance disorders in the elderly. In: Morely JE, Glick Z, Rubenstein LZ. Geriatric Nutrition: A comprehensive review, 2nd Ed. Raven Press: New York, 1995:343-50.
22. Baumgartner RN. Body weight and weight change in the elderly: what do the associated risks mean? In, Vellas BJ, Sachet P, Baumgartner RN (eds.), Nutritional Intervention and the Elderly, Facts and Research in Gerontology. Springer Pub: New York, 1995:7-16.
23. Baumgartner RN. Electrical Impedance and TOBEC. In: Roche AF, Lohman TG, Heymsfield SB (eds), Human Body Composition: Methods and Findings. Champaign, IL: Human Kinetics, 1996.
24. Baumgartner RN. Body composition studies. In, Spencer F (ed.), History of Physical Anthropology: an Encyclopedia. New York: Garland, Pub., 1997:190-194.
25. Heymsfield SB, Wang Z, Baumgartner RN, Ross R. Human body composition: Advances in models and methods. Annual Review of Nutrition, Vol. 17. New York: Annual Reviews Inc., 1997.
26. Heymsfield SB, Baumgartner RN, Ross R, Allison D, Wang Z. Evaluation of total body and regional composition. In: Bray G, Bouchard C, James P, eds. Handbook of Obesity. New York: Marcel Dekker, 1998; pp. 41-78.
27. Baumgartner RN. Body Composition/Anthropometry. In: Garry PJ, Owen GM, Eldridge TO, eds. The New Mexico Aging Process Study. Albuquerque: University of New Mexico, 1997:88-145.
28. Heymsfield SB, Baumgartner RN, Pan S-F. Nutritional assessment of malnutrition by anthropometric methods. In: Shils ME, Olson JA, Shike M, Ross AC, eds.. Modern Nutrition in Health and Disease, 9th edition. Williams and Wilkins, 1999:903-922.
29. Baumgartner RN. Age variation in body composition. In: Heymsfield SB, Lohman T, Wang Z, Going S (eds), Human Body Composition, 2nd edition. Champaign, IL: Human Kinetics, 2005.

30. Baumgartner RN, Heymsfield SB. Body composition and anthropometry. In: Shils ME, Olson JA, Shike M, Ross AC, eds. *Modern Nutrition in Health and Disease*, 10th edition. Williams and Wilkins, 2006.
31. Baumgartner RN, Waters DL. Sarcopenia and sarcopenic-obesity. In: Pathy J, Sinclair AJ, Morley JE. *Principles and Practice of Geriatric Medicine*, 4<sup>th</sup> Edition. John Wiley and Sons, 2006: 909-934.
32. Wang C, Baumgartner RN, Allison D. Genetics of human obesity. In: Berdanier C, Dwyer J eds. *Handbook of Nutrition and Food Science*. CRC Press, 2008:833-846.
33. Baumgartner KB, Baumgartner RN, Visvanathan K, Davidson N. Breast Cancer. USDHHS. *The Health Consequences of Smoking and Exposure to Secondhand Smoke: A Report of the Surgeon General*. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office of Smoking and Health, January 2014.

### **Edited Books**

1. Vellas BJ, Sachet P, Baumgartner RN, eds. *Nutritional Intervention in the Elderly*. New York: Springer, 1995.
2. Arnaud M, Baumgartner RN, Rosenberg IH, Morely JE, eds. *Hydration and Aging*. New York: Springer, 1997.

### **Published Abstracts and Presentations**

1. Baumgartner RN, Pollitt E, Mueller WH. The Bacon Chow Nutritional Supplementation Study - analysis of illness and growth of infants. *Am J Phys Anthrop* 54(2):199 (abstract), 1981.
2. Baumgartner RN, WH Mueller, Pollitt E. Multivariate analyses of infant growth, birth to 24 months, in relation to maternal, nutritional and health factors. *Am J Phys Anthrop* 60(2):172 (abstract), 1983.
3. Baumgartner RN Associations between bioelectric impedance and anthropometric variables. *Am J Phys Anthrop*. 69(2): 173 (abstract), 1986.
4. Chumlea WC, Baumgartner RN, Roche AF. Segmental bioelectric impedance measures of body composition. International Conference on "In Vivo Body Composition Studies", Brookhaven National Laboratory, New York. September 1986. Book of abstracts, 35, 1986.
5. Baumgartner RN Bioelectric impedance phase angle and body composition. *Am J Phys Anthrop* 72(2):176 (abstract), 1987.
6. Chumlea WC, Baumgartner RN, Roche AF Specific resistivity from segmental impedance. *Med Sci Sports Exer* 19(2):539 (abstract), 1987.
7. Baumgartner RN, Siervogel RM, Guo S, Chumlea WC, Roche AF Use of bioelectric impedance for estimating body composition in epidemiology. *Am J Epidemiol* 126(4):777 (abstract), 1987.
8. Baumgartner RN. Associations between plasma lipoprotein cholesterol, adiposity, and adipose tissue distribution during adolescence. *Am J Phys Anthrop* 75(2):184 (abstract), 1988.
9. Chumlea WC, Baumgartner RN, Roche AF. Fat volumes and total body fat from impedance. *Med Sci Sports Exer* 20(2):S82 (abstract), 1988.
10. Chumlea WC, Baumgartner RN. Status of anthropometry and body composition data in the elderly. Symposium on "Epidemiologic and Methodologic Problems in Determining Nutritional Status of Older Persons". The University of New Mexico, Albuquerque. October 19-21, 1988.
11. Roche AF, Guo S, Baumgartner RN. Serial changes in body composition. American Anthropological Association, 87th Annual Meeting, Phoenix, AZ, Nov. 16-20, 1988, p 222.



12. Baumgartner RN, Ryan AS, Roche AF, Guo S, Chumlea WC, Kuczmarski R. Changes with age in fat patterning in Mexican-American children in the Hispanic Health and Nutrition Examination Survey (HHANES 1982-1984). *Am J Phys Anthropol* 78(2):189 (abstract), 1989.
13. Ryan AS, Martinez GA, Baumgartner RN, Guo S, Chumlea WC, Roche AF, Kuczmarski R. Changes with age in skinfold thickness in Mexican-American children in the Hispanic Health and Nutrition Examination Survey (HHANES 1982-1984). *Am J Phys Anthropol* 78(2):294 (abstract), 1989.
14. Guo S, Roche AF, Baumgartner RN, Chumlea WC, Ryan AS, Johnson C. On the application of kernel regression for smoothing reference data. *Am J Phys Anthropol* 78(2):233 (abstract), 1989.
15. Roche AF, Guo S, Baumgartner RN, Chumlea WC, Ryan AS, Kuczmarski R. Reference data for weight, stature and weight/stature<sup>2</sup> in Mexican-Americans from the Hispanic Health and Nutrition Examination Survey (HHANES 1982-1984). *Am J Phys Anthropol* 78(2):291 (abstract), 1989.
16. Newman SL, Lindahl JA, Chumlea WC, Baumgartner RN, Zimmer J, Konek S. Validation of bioelectric impedance assessment (BIA) in determination of body composition in hospitalized children. American Association for the Study of Liver Diseases: Gastroenterology Research Group, Washington, DC, 1989.
17. Chumlea WC, Baumgartner RN, Roche AF. Subcutaneous adipose tissue volume and fat-free mass from segmental measures of bioelectric impedance. Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Toronto, Canada, 1989.
18. Baumgartner RN, Chumlea WC, Roche AF. Segmental bioelectric impedance estimates of body composition. Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Toronto, Canada, 1989.
19. Mitchell C, Baumgartner RN, Chumlea WC. Estimation of Body Composition from Segmental Measures of Bioelectric Impedance in the Elderly. Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Toronto, Canada, 1989.
20. Baumgartner RN, Heymsfield SB, Lichtman S, Wang J, Pierson RN. Estimation of body composition from anthropometry and bioelectric resistance in the elderly. *Am J Clin Nutr* 51:510, 1990 (abstract).
21. Baumgartner RN, Guo S, Roche AF. Tracking of lipids and lipoproteins in adolescents 12 to 22 years of age: the Fels Longitudinal Study. Presented at: Hyperlipidemia in childhood and the development of atherosclerosis, 1990 Meetings of the NY Academy of Sciences, Bethesda, MD.
22. Baumgartner RN, Chumlea WC, Guo S, Roche AF. Prediction of growth in fat-free mass from bioelectric resistance and anthropometry in children. *Am J Hum Biol* 2:195, 1990 (abstract).
23. Ortiz O, Daley TL, Wang J, Baumgartner R, Heymsfield S, Pierson RN. Human body composition: validity of two-compartment models in black females. *Am J Clin Nutr* 51:520, (abstract) 1990.
24. Siervogel RM, Wilson AF, Baumgartner RN, Elston RC. Evidence of possible genetic linkage for a postulated fat patterning gene and marker genes using the robust sib-pair method. *Am J Hum Biol* 3:67, 1991.
25. Roche AF, Siervogel RM, Baumgartner RN. B-mode ultrasonic measurements of subcutaneous adipose tissue. *Am J Clin Nutr* 53:P-27, 1991.
26. Baumgartner RN, Rhyne RL, Troop C, Wayne S, Garry PJ. Assessment of regional body composition in the elderly by magnetic resonance imaging. *Am J Clin Nutr* 53:P-13, 1991.
27. Rhyne RL, Troop C, Baumgartner RN, Garry PJ, Chumlea WC. Composition of the abdomen in elderly persons by magnetic resonance imaging. *Am J Clin Nutr* 53:P-27, 1991.
28. Guo S, Roche AF, Fomon SJ, Nelson SE, Chumlea WC, Rogers RR, Baumgartner RN, Ziegler EE, Siervogel RM. Reference data for weight, length, and gains in weight and length during the

- first two years of life. *Am J Clin Nutr* 53:P-19, 1991.
29. Ortiz OT, Aulet M, Lichtman S, Baumgartner R, Wang J, Pierson RN, Heymsfield SB. Black and white females: total body water, fluid distribution and electrical resistance. *FASEB J* 5:A924, 1991.
  30. Baumgartner RN, Rhyne RL, Troup C, Garry PJ. Adipose tissue distribution from MRI and anthropometry: associations with plasma lipids and lipoproteins in elderly adults. *Int J Obesity* 1991;51:35.
  31. Ryan AS, Weaver L, Baumgartner RN. Loss of weight and adipose tissue in individuals enrolled in a hospital-based weight reduction program: preliminary findings. *Am J Phys Anthrp* 1992.
  32. Abdel-Hamid M, Chumlea WC, Garry PJ, Baumgartner RN. Lateral differences in body dimensions in the elderly. *Am J Human Biol* 4:141, 1992.
  33. Wang ZM, Baumgartner RN, Pierson RN, Heymsfield SB. Total body skeletal muscle mass measured directly by computerized axial tomography: results in healthy men. *Am J Clin Nutr* (in press).
  34. Gerace L, Aulet M, Aliprantis A, Wang J, Pierson RN, Baumgartner RN, Allison D, Heymsfield SB. Differences in bone mass and skeletal linear dimensions between black and white men. *Am J Clin Nutr* (in press).
  35. McHugh D, Stauber PM, Wayne S, Baumgartner RN, Garry PJ. Fat distribution from dual energy x-ray absorptiometry: correlations with anthropometry in elderly persons. *Am J Clin Nutr* (in press).
  36. Stauber PM, McHugh D, Wayne S, Baumgartner RN, Garry PJ. Prediction of fat-free and arm muscle masses from anthropometry and impedance in elderly persons. *Am J Clin Nutr* (in press).
  37. Wayne SJ, Baumgartner RN, Garry PJ, Pathak D. Correlation between changes in blood pressure and changes in body size in the elderly. *Am J Epidemiol* (in press).
  38. Baumgartner RN, Garry PJ, Stauber PM, Wayne SJ, Spratt DI. Associations of anabolic hormones with fat distribution and plasma lipids in elderly men. *Obesity Research* 1993;1(suppl 1):27S.
  39. Baumgartner RN, Rhyne RL, Garry PJ. Body composition in the elderly from MRI: associations with cardiovascular disease risk factors. *Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Houston, Texas, 1992.*
  40. McHugh D, Baumgartner RN, Stauber PJ, Wayne SJ, Hicks VL, Heyward VH. Bone mineral in Native American women from New Mexico. *Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Houston, Texas, 1992.*
  41. Baumgartner RN, Stauber PJ, McHugh D, Wayne SJ, Heymsfield SB, Garry PJ. Analysis of body composition in the elderly using multicompartamental methods. *Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Houston, Texas, 1992.*
  42. Chumlea WC, Guo S, Siervogel RM, Cockram DB, Hayes J, Baumgartner RN. Multiple frequency bioelectric impedance, total body water, extra-cellular fluid and body composition in adults. *Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Houston, Texas, 1992.*
  43. Hicks VL, Heyward VH, Baumgartner RN, Flores AJ, Stolarczyk LM, Wotruba EA. Body composition of Native American women estimated by dual-energy x-ray absorptiometry and hydrodensitometry. *Book of Abstracts, International Symposium on In Vivo Body Composition Studies, Houston, Texas, 1992.*
  44. Ryan AS, Weaver L, Baumgartner RN. Treatment of obesity of individuals enrolled in a hospital-based weight reduction program. *Obesity Research* 1993;1(suppl 1):48S.
  45. Stolarczyk L, Heyward V, Hicks V, Baumgartner RN. Discriminant function analysis of upper- and

- lower-body obesity in American Indian Women. Presented at the 1994 meetings of the Southwest Chapter of the American College of Sports Medicine, Phoenix, AZ.
46. Baumgartner RN. Electrical Impedance and TOBEC. Symposium on Controversies in Body Composition Assessment. Presented at the 1994 meetings of American College of Sports Medicine, Indianapolis, IN.
  47. Baumgartner RN, Koehler K, Schade D, Romero L, Garry P, Lindeman R. Fatness, fat distribution and diabetes risk factors in elderly Hispanic vs. non-Hispanic whites. Presented at the 1995 meetings of the Society for Epidemiologic Research, Snowbird, Utah.
  48. Baumgartner RN, Vellas B, Romero L, Rhyne R, Skipper B, Garry P. A prospective study of injurious falls in the elderly. Presented at the 1995 meetings of the Society for Epidemiologic Research, Snowbird, Utah.
  49. Baumgartner RN, Koehler K, Romero L, Garry PJ. Serum albumin is associated with sarcopenia in the elderly. Presented at the 1995 meetings of the Society for Epidemiologic Research, Snowbird, Utah.
  50. Sassaman M, Romero L, LaRue A, Garry P, Baumgartner RN, Lindeman RD. Risk factors for limitations in activities of daily living among elderly Hispanic and non-Hispanic whites in New Mexico. Presented at the 1995 meetings of the Society for Epidemiologic Research, Snowbird, Utah.
  51. Koehler K, Pareo-Tubbeh S, Romero L, Baumgartner RN, Garry PJ, Lindeman R. Energy and macronutrient intake of elderly Hispanic and non-Hispanic New Mexicans using a food frequency questionnaire. Presented at the 1995 meetings of the American Society for Clinical Nutrition, San Diego, CA.
  52. Lindeman R, Romero L, Hundely R, Baumgartner RN, et al. Prevalence of diabetes-mellitus (DM) and insulin-resistance (IR) in elderly Hispanics vs Non-Hispanic Whites in Bernalillo County (Albuquerque), New Mexico. *J Am Geriat Soc* 1995;43 (9): SA75-SA75.
  53. Stauber PM, Baumgartner RN, Garry PJ. Development of a prediction equations for estimating fat free mass in the elderly using dual energy x-ray absorptiometry (DXA). Presented at the 1995 meetings of the American Society for Clinical Nutrition, San Diego, CA.
  54. Koehler K, Romero L, Liang HC, Stauber PJ, Pareo-Tubbeh S, Baumgartner RN, Garry PJ, Allen RH, Stabler SP. Vitamin supplementation and other variables affecting serum homocysteine concentration in health elderly men and women. Presented at the 1995 meetings of the American Society for Clinical Nutrition, San Diego, CA.
  55. Baumgartner RN, Koehler KN, Romero L, Garry PJ. Decrease in serum albumin with age is associated with sarcopenia in the elderly. Presented at the 1995 meetings of the American Society for Clinical Nutrition, San Diego, CA.
  56. Baumgartner RN, Romero L, Koehler K, Schade D, Garry PJ, Lindeman R. Role of obesity and fat distribution in NIDDM in elderly Hispanics. Presented at the 1995 meetings of the North American Association for the Study of Obesity, Baton Rouge, LA.
  57. Baumgartner RN, Heymsfield SB, Ross R. Adipose tissue does not influence BIA in obese men and women. Presented at the 1995 meetings of the North American Association for the Study of Obesity, Baton Rouge, LA.
  58. Grammes J, Nunez C, Gallagher D, Baumgartner RN, Heymsfield SB. Arm skeletal muscle estimated by bioelectrical impedance analysis. Presented at the 1996 meetings of American Society for Clinical Nutrition (FASEB), Washington, DC.
  59. Nunez C, Grammes J, Gallagher D, Baumgartner RN, Wang Z, Heymsfield SB. Appendicular skeletal muscle: estimation by total limb impedance measured with new electrode system. Presented at the 1996 meetings of American Society for Clinical Nutrition (FASEB), Washington, DC.

60. Gallagher D, Ruts E, Baumgartner RN, Allison DB, Wang J, Thornton J, Pierson RN, Pi-Sunyer FX, Heymsfield SB. Sarcopenia and unintentional weight loss after age 60 years: evidence from the Rosetta Longitudinal Aging Study. Presented at the 1996 meetings of American Society for Clinical Nutrition (FASEB), Washington, DC.
61. Baumgartner RN, Koehler K, Romero L, Lindeman R, Garry PJ. Prevalence and correlates of sarcopenia in a population-based sample of elderly people. Presented at the 1996 meetings of American Society for Clinical Nutrition (FASEB), Washington, DC.
62. Koehler KM, Pareo-Tubbeh SL, Romero LJ, Baumgartner RN, Garry PJ. Folate fortification of bread and grains: intake of the elderly is affected by food sources of folate. Presented at the 1996 meetings of American Society for Clinical Nutrition (FASEB), Washington, DC.
63. Wolde RS, Lopez ST, Pareo-Tubbeh S, Baumgartner RN, Romero L, Garry PJ, Koehler K. Classroom instruction and written material helped participants keep 3-day diet records. Presented at 21st National Nutrient Databank Conference, Baton Rouge, LA, June 20-22, 1996.
64. Pareo-Tubbeh S, Baumgartner RN, Romero L, Garry PJ, Koehler KM. Estimated vitamin B12 values for foods on a food frequency, the Health Habits and History Questionnaire. Presented at 21st National Nutrient Databank Conference, Baton Rouge, LA, June 20-22, 1996.
65. Gallagher D, Ruts E, Baumgartner R, Pierson R, Heymsfield SB. Aging and body composition changes: Rosetta Longitudinal Study. Presented at 1996 49th annual meetings of the Gerontological Society of America, Washington, DC.
66. Lindeman RD, Romero L, Hundley R, Baumgartner RN, Koehler K, Schade D, Garry PJ. Coronary artery disease and associated risk factors in elderly New Mexico Hispanics vs Non-Hispanic whites. Presented at 1996 49th annual meetings of the Gerontological Society of America, Washington, DC.
67. Lindeman RD, Romero LJ, Hundely R, Baumgartner RN, Koehler K, Schade D, Sassaman F, Garry PJ. Relationship between an "obesity-related" pattern of cardiovascular risk factors and prevalence of coronary artery disease in an elderly, urban, biethnic population. Presented at 37th annual meetings of The American College of Nutrition, San Francisco, 1996.
68. Pietrobelli A, Gallagher D, Baumgartner R, Ross R, Heymsfield SB. Lean R value for DXA two-component soft tissue model: influence of age and tissue/organ type. Presented at International Symposium on In Vivo Body Composition Studies, Malmö, Sweden, September, 1996.
69. Baumgartner RN, Ross R, Wang Z, Gallagher D, Heymsfield SB. Cross-validation of DXA versus MRI methods of quantifying appendicular skeletal muscle. Presented at International Symposium on In Vivo Body Composition Studies, Malmö, Sweden, September, 1996.
70. Ross R, Mitsiopoulos N, Shragge P, Lyons W, Baumgartner RN, Heymsfield SB. Validation of in vivo MRI and CT measurements of skeletal muscle by comparison to human cadaver sections. Presented at International Symposium on In Vivo Body Composition Studies, Malmö, Sweden, September, 1996.
71. Baumgartner RN, Morley JE, Perry HM, Kaiser FE, Patrick P, Heymsfield SB, Vellas B, Garry PJ. Leptin increases with age independent of body fat in elderly men. *Obesity Research* 1996;4:26S.
72. Baumgartner RN, Garry PJ, Koehler K, Romero L, Lindeman RD. Epidemiology of sarcopenia in elderly New Mexicans. *Am J Epidemiol* 1997;145:S78.
73. Jackson M, Baumgartner R, Ross R, et al. Appendicular skeletal muscle mass by dual energy X-ray absorptiometry (DXA): Validation against magnetic resonance imaging (MRI) total skeletal muscle. *FASEB JOURNAL* 1997;11 (3): 1075.
74. Lindeman RD, Romero LJ, Allen AS, Hundley R, Baumgartner RN, Koehler KM, Garry PJ. Influence of ethanol intake on prevalence of coronary artery disease in the New Mexico Elder Health Survey. Presented at the 1997 meetings of the American College of Nutrition.
75. Koehler KM, Pareo-Tubbeh SL, Liang HC, Romero LJ, Baumgartner RN, Garry PJ. Some vitamin

- sources relating to plasma homocysteine provide not only folate but also vitamins B-12 and B-6. *J Nutr* 1997;127:1534.
76. Lindeman RD, Romero LJ, Allen AS, Liang HC, Koehler KM, Baumgartner RN, Schade D, Garry PJ. Prevalence of hypothyroidism in an elderly biethnic community (New Mexico Elder Health Survey). *JAGS* 1998;46:P140.
  77. Allen AS, Liang HW, Baumgartner RN, et al. Graphical diagnostics for logistic regression: A case study modeling artery disease and its risk factors from the New Mexico Survey of Health in Elderly Hispanics. *J Invest Med* 1997;45:163A. Presented at Western Regional Meeting, Carmel, CA, February, 1997.
  78. Romero LJ, Lindeman RD, Hundley RS, Baumgartner RN, et al. New Mexico Survey of Health in Elderly Hispanics. *J Invest Med* 1997;45:158A. Presented at Western Regional Meeting, Carmel, CA, February, 1997.
  79. Crumley D, Gilliland F, Ballard-Barbash R, Baumgartner RN, Hunt WC, Fetherolf J. Vigorous physical activity and breast cancer stage at diagnosis in Hispanic and Non-Hispanic white women, the New Mexico Women's Health Study: Prognosis Phase. Presented at the Workshop on Physical Activity and Breast Cancer, National Action Plan on Breast Cancer, Albuquerque, NM, November 13-14, 1997.
  80. Garry PJ, Baumgartner RN, Montoya GM, LaRue A. Apolipoprotein E polymorphism: its influence on serum lipids and cognitive status in elderly men and women. *FASEB Journal* 1998;12:1462.
  81. Crumley D, Gilliland F, Ballard-Barbash R, Chao A, Hunt WC, Baumgartner RN. Vigorous physical activity and breast cancer stage at diagnosis: The New Mexico Women's Health Study. *Am J Epidemiol* 1998;147.
  82. Baumgartner RN, Romero LJ, Koehler KM, Garry PJ, Lindeman RD. Physical disability in Hispanic and non-Hispanic whites the New Mexico Elder Health Survey. *Am J Epidemiol* 1998;147.
  83. Waters DL, Baumgartner RN, Wayne SJ, Vellas B, Garry PJ. Sarcopenia is associated with injurious falls in the elderly. *Am J Epidemiol* 1998;147:118.
  84. Pietrobelli A, Gallagher D, Baumgartner R, et al. Lean R value for DXA two-component soft-tissue model: Influence of age and tissue or organ type. *Appl Radiation & Isotopes* 1998;49 (5-6): 743-744.
  85. Radloff ML, Baumgartner RN. The effects of estrogen replacement therapy on sarcopenia and functional status changes in post-menopausal women. *J Invest Med* 1999;47:A11.
  86. Romero LJ, Lindeman RD, Koehler KM, Liang HC, Baumgartner RN, Garry PJ. Influence of serum vitamin B-12, C, and folate concentrations on cognitive and affective function in the New Mexico elder health survey. *J Invest Med* 1999;47:A18.
  87. Gallagher D, Ruts E, Visser M, Heshka S, Baumgartner RN, Wang J, Pierson RN, Pi-Sunyer FX, Heymsfield SB. Weight stability masks body composition changes in elderly men: visceral fat increase and lean tissue loss. *FASEB J* 1999;13:A1022.
  88. Chandani AK, Scariano JK, Glew RH, Garry PJ, Baumgartner RN. Bone mineral density and serum levels of aminoterminal propeptides (PINP) and cross-linked N-telopeptides of type I collagen (NTx) in elderly males. *J Bone Miner Res* 1999;14:SU235.
  89. Lindeman RD, Schade DS, LaRue A, Romero LJ, Liang HC, Baumgartner RN, Koehler KM, Garry PJ. Subclinical hypothyroidism in a bi-ethnic, urban community: a reply. *JAGS* 2000;48:234.
  90. Waters DL, Brooks WM, Qualls CR, Alaniz J, Baumgartner RN. Activity and sexually dimorphic response to exercise in healthy elderly: A P31 MRS study. *FASEB J* 2000;14:A49.
  91. Garry PJ, Baumgartner RN, Lindeman RD. Serum vitamin B12 concentrations in male and female Hispanic and non-Hispanic white medicare participants. *FASEB J* 2000;14:A292.

92. Chandani AK, Scariano JK, Glew RH, Clemens JD, Garry PJ, Baumgartner RN. Bone mineral density and serum levels of aminoterminal propeptides (PINP) and cross-linked N-telopeptides (NTx) of type I collagen. *J Invest Med* 2000;48:342.
93. Wold RS, Lopez ST, Pareo SL, Baumgartner RN, Garry PJ, Koehler KM. Assessment of the elderly's attitudes and food choices towards dairy products. Fourth International Conference on Dietary Assessment Methods. September, 2000.
94. Wold RS, Lopez ST, Waters DL, Yau CL, Moolenijzer KM, Baumgartner RN. Upward trends in dietary supplement usage in an elderly population. Fourth International Conference on Dietary Assessment Methods. September, 2000.
95. Mahdi S, Knoefel JE, Yau CL, Romero LJ, Garry PJ, Baumgartner RN, Lindeman R. Fall history and correlation with balance and gait by self-report and by objective examination in the New Mexico Elder Health Survey. *JAGS* 2000;48:P159.
96. Scariano JK, Glew RH, Garry PJ, Baumgartner RN. Diagnostic efficacy of serum NTx measurements for identifying elderly women with low total body bone mineral density. *Osteoporosis Int* 2000;11(S2):37.
97. Schiff MA, Patterson RE, Baumgartner RN, Becker TM. Serum carotenoids and risk of cervical intraepithelial neoplasia in southwestern American Indian women. *Am J Epid* 2001;153:S104.
98. Lindeman RD, Romero LJ, Yau CL, Koehler KM, Baumgartner RN, Garry PJ. Serum homocysteine concentration and its relation to vitamin B12 and folate concentrations and coronary heart disease prevalence in an urban, biethnic community. 2000 meetings of the Am College Nutrition.
99. Lindeman RD, Romero LJ, LaRue A, Yau CL, Schade DS, Koehler KM, Baumgartner RN, Garry PJ. Is type 2 diabetes in the elderly associated with an increased risk of cognitive impairment? 2000 meetings of the Gerontological Society of America.
100. Mahdi S, Knoefel JE, Yau CL, Baumgartner et al. Fall history and correlation with balance and gait by self-report and by objective examination in the New Mexico elder health survey *J Am Geriat Soc* 2000; 48 (8): P159.
101. Kenkre PV, Lindeman RD, Yau CL, Baumgartner RN, Garry PJ. Serum insulin concentrations in daily drinkers compared to abstainers in the New Mexico Elder Health Survey. 2001 meetings of the American College of Nutrition.
102. Baumgartner K, Baumgartner R, Crumley D, McTiernan A, Gilliland F, Ballard-Barbash R. Association of Body Composition and Weight History with Prognostic Markers for Breast Cancer. *Am J Epid* 2001;153:S196.
103. Baumgartner R, Baumgartner K, Crumley D, McTiernan A, Irwin M, Gilliland F, Ballard-Barbash R. Is the "Metabolic Syndrome" Associated with Breast Cancer Prognosis? *Am J Epid* 2001;153:S201.
104. McTiernan A, Irwin M, Baumgartner R, Bernstein L, Ballard-Barbash R. Body mass and sex hormones in postmenopausal breast cancer patients. *Am J Epid* 2001;153:S106.
105. Scariano JK, Garry PJ, Montoya G, Baumgartner RN. Apolipoprotein E genotype influences bone loss and biochemical markers of bone turnover in elderly postmenopausal women. *BONE* 2001;28:S132.
106. Mapel DW, Picchi MA, Coultas DB, Baumgartner RN. Nutritional status and dietary deficiencies in idiopathic pulmonary fibrosis. *Am J Respir Crit Care Med* 2001; 163(5):A985.
107. Waters DL, Yau CL, Montoya GD, Baumgartner RN. Sex Steroids, IGF-1, Leptin, and Body Composition in Elderly Women and Men: The New Mexico Aging Process Study. *Endo* 2001, P1-442.
108. Waters, DL, Brooks, WM., Qualls, CR., Baumgartner, RN. Interactions between Sex, Physical

- Activity, and Age on Mitochondrial Function in Healthy Older and Younger Adults. IUPS 2001.
109. Waters DL, Brooks WM, Qualls CR, Baumgartner RN, Joquin Alaniz. Activity and sexually dimorphic response to exercise in healthy elderly. *FASEB* 2000;14 (4):75.4.
  110. Wold RS, Hunt WC, Baumgartner KB, Crumley D, Baumgartner R, Ballard-Barbash R. Dietary Intake Differs Between Hispanic and Non-Hispanic White Women with Breast Cancer. *J Am Dietetic Assoc* 2001;101S(9):A-99.
  111. Scariano JK, Garry PJ, Montoya G, Baumgartner RN. Critical differences in the serial measurement of three markers of bone turnover in the sera of pre- and postmenopausal women. *Clin Chem* 2001;47:A156.
  112. Scariano JK, Garry PJ, Montoya G, Baumgartner RN. Changes in serum levels of NTx, PINP and total body bone mineral density in healthy elderly women over a six year period. *JBMR* 2001;16:S466.
  113. Wold RS, Lopez ST, Yau CL, Pareo SL, Baumgartner RN. Concurrent dietary supplement and medication use in the elderly. 2001 meetings of the American Dietetics Association.
  114. Lockner DW, Wold R, Waters D, Garry PJ, Baumgartner RN. Impact of folate fortification of grains on folate intake of the elderly. *Am J Clin Nutr* 2002;75:389S.
  115. Kim J, Wang ZM, Heymsfield SB, Baumgartner RN, Gallagher D. Total-body skeletal muscle mass: Estimation by new dual-energy X-ray absorptiometry method. *FASEB J* 2002;16(4):A230.
  116. Irwin M, McTiernan A, Crumley D, Baumgartner R, Bernstein L, Gilliland F, Ballard-Barbash R. Weight change two years after breast cancer diagnosis by physical activity level: The Health, Eating, Activity, and Lifestyle (H.E.A.L.) Study. ASPO conference, 2002.
  117. Scariano, JK; Garry, PJ; Baumgartner, RN. Correlation of serum osteoprotegerin levels with age but not hormone replacement status in elderly women. *JBMR* 2002;17, suppl.1: S268.
  118. Crumley D, et al.: Ethnic Differences In Breast Cancer Prognosis And Short-Term Survival Among New Mexico Women. Army Era of Hope Conference, 2002.
  119. Baumgartner K, Hunt C, Bowen CD, Baumgartner R, McTiernan A, Malone K, Bernstein L, BallardBarbash R. Relationship of post-traumatic growth with health-related behavior in women with breast cancer. Army Era of Hope Conference, 2002.
  120. Baumgartner K, Hunt C, Bowen CD, Baumgartner R, McTiernan A, Malone K, Bernstein L, BallardBarbash R. Weight Change Among Women Diagnosed with Breast Cancer and Health-Related Quality of Life. NCI Survivorship Conference, 2002.
  121. Irwin M, McTiernan A, Crumley D, Baumgartner R, Bernstein L, Gilliland F, Ballard-Barbash R, LaCroix K, McVarish L, Tworoger S, Marshall S. Physical activity levels across the breast cancer experience: The Health, Eating, Activity, and Lifestyle (H.E.A.L.) Study. NCI Cancer Survivorship, June 2002.
  122. Scariano JK, Simplicio SG, Montoya GD, et al. Estrogen receptor beta dinucleotide (CA) repeat polymorphism is significantly associated with bone mineral density in postmenopausal women. *J Bone Mineral Res* 2003;18: S126-S127 Suppl.
  123. Baumgartner K, Hunt WC, Baumgartner RN, et al. Relationship of obesity with p53 and other tumor markers among Hispanic and non-Hispanic white women. *Cancer Epi Biomarkers & Prev* 2003;12 (11): 1337S-1338S Part 2 Suppl. S NOV 2003
  124. Irwin M, Aiello E, Gilliland F, et al. The association between physical activity levels and mammographic breast density in pre- and post-menopausal women: The health, eating, activity, and lifestyle (HEAL) study. *Cancer Epi Biomarkers & Prev* 2003;12 (11): 1284S-1285S.
  125. Wayne S, Waters D, Baumgartner R. Sarcopenic-obesity predicts decline in functional status in the elderly: The New Mexico aging process study *Am J Epid* 2003;157 (11): 256 Suppl.
  126. Lopez ST, Bulter L, Wayne S, Baumgartner KB, Baumgartner RN. Changes in dietary intake after

- breast cancer diagnosis: The health, eating, activity, and lifestyle (HEAL) study FASEB J 2003; 17 (5): A769-A769 Part 2 Suppl.
127. Waters D, Qualls C, Gasparovic C, Baumgartner RN. ACE inhibition and skeletal muscle mitochondrial function in the elderly FASEB J 2003;17 (5):A1278-A1278 Part 2 Suppl.
  128. Baumgartner RN, Wayne S, Vellas B, et al. Apolipoprotein E4 predicts decrease in cognitive function: The new Mexico aging process study. Am J Epid 2004;157 (11): 164 Suppl.
  129. Baumgartner KB, Baumgartner RN, Wayne S, et al. Hispanic ethnicity is associated with increased recurrence and death in women with breast cancer in New Mexico: the Health, Eating, Activity and Lifestyle Study. Breast Canc Res & Treat 2004; 88: S98-S99 Suppl.
  130. Baumgartner RN, Baumgartner KB, Wayne S, et al. High C-peptide is associated with increased recurrence and death in women with breast cancer independent of ethnicity - The Health, Eating, Activity and Lifestyle Study. Breast Canc Res & Treat 2004; 88: S99-S99 Suppl. 1 2004
  131. Royce ME, Baumgartner KB, Baumgartner RN, et al. Factors influencing breast cancer prognosis: divergent patterns for Hispanic and non-Hispanic White women in New Mexico - the Health, Eating, Activity and Lifestyle (HEAL) Study. Breast Canc Res & Treat 2004; 88: S99-S99 Suppl.
  132. Wayne SJ, Neuhouser ML, Ulrich CM, Koprowski C, Baumgartner K, Baumgartner RN, McTiernan A, Bernstein L, Ballard-Barbash R. High Intake of Dietary Fiber Is Associated with High Levels of Serum Sex Hormone-Binding Globulin in Postmenopausal Breast Cancer Survivors: The Health, Eating, Activity, and Lifestyle (HEAL) Study. AACR International Conference on Frontiers in Cancer Prevention Research, October 30-November 2, 2005, Baltimore, MD. CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION 14 (11): 2727S-2727S Part 2 Suppl. S NOV 2005.
  133. Cesari M, Kritchevsky SB, Baumgartner RN, et al. Sarcopenic obesity and inflammation - Trial of ace inhibition and novel cardiovascular risk factors (TRAIN) study. J Am Geriat Soc 2005; 53 (4): S16-S16 Suppl.
  134. Wayne SJ, Koprowski C, Neuhouser ML, et al. Breast cancer survivors who use selected herbal supplements have lower circulating estradiol and free estradiol: the Health, Eating, Activity and Lifestyle study. BREAST CANCER RESEARCH AND TREATMENT 2007;106: S95-S95.
  135. Brock GN, Baumgartner RN, Slattery ML, et al. Validation of clusters derived from genetic marker data. GENETIC EPIDEMIOLOGY 2007; 31: 463-464.
  136. Baumgartner R, Neuhausen S, Slattery ML, et al. The Tryp64Arg variant in ADRB3 modifies the association of body weight with breast cancer risk in pre-menopausal and hispanic women AMERICAN JOURNAL OF EPIDEMIOLOGY 2008; 167: S146.
  137. Das N, Baumgartner R, Baumgartner K, Ulrich C, Bernstein L, McTiernan A, Ballard-Barbash R. MTHFR polymorphism modifies the association of chemotherapy with survival in breast cancer. AMERICAN JOURNAL OF EPIDEMIOLOGY 2010; 171: S24, Abstract 095-S.
  138. Connor A, Baumgartner RN, Yang D, Slattery ML, Guiliano A, Byers T, Baumgartner KB. Differences between Hispanic and non-Hispanic white women with breast cancer for clinical characteristics and their correlates. Annals of Epidemiology 2010;20(9): 696, Abstract P18.
  139. Denkhoff SR, Yang D, Pinkston CM, Baumgartner RN, Baumgartner KB. Predictors of quality of life among Hispanic and non-Hispanic white women: a 15 year follow-up study of long-term breast cancer survivors. 102<sup>nd</sup> Annual Meeting, American Association for Cancer Research, Orlando, FL, April 2-6, 2011. Abstract 1829, p. 224.
  140. Denkhoff SR, Baumgartner KB, Yang D, et al. Hormone Receptor Status and Breast Cancer Survival among Hispanic and Non-Hispanic White Women over 10 Years of Follow-Up. CANCER RESEARCH Volume: 71 Supplement: 24 Meeting Abstract: P2-14-08 Published: DEC 15 2011
  141. Das N, Baumgartner KB, Kerber RA, Rai SN, Ulrich CM, Neuhouser ML, Bernstein L, McTiernan



- A, Ballard-Barbash R, Baumgartner RN. Associations between genetic variability in folate metabolism and breast cancer survival. 102nd Annual Meeting, American Association for Cancer Research, Orlando, FL, April 2-6, 2011. *CANCER RESEARCH* Volume: 71 Supplement: 8 Abstract 2750, p. 284
142. Baumgartner KB, Baumgartner RN, Denkhoff S, et al. Differences in long-term survival for Hispanic and non-Hispanic white women with breast cancer. 2011 34th Annual CTSC-AACR San Antonio Breast Cancer Symposium. San Antonio, TX: American Association for Cancer Research, Public & Media, Press Release December 6-10, 2011.
  143. Baumgartner KB, Pinkston C, Connor A, Denkhoff SR, Yang D, Baumgartner RN. Smoking and breast cancer survival among New Mexican Hispanic and non-Hispanic White women. Abstract/Poster for the 5th Annual AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Diego, CA, October 27-30, 2012.
  144. Yang D, Baumgartner RN, Baumgartner KB. POSTTRAUMATIC GROWTH AND PHYSICAL ACTIVITY AMONG HISPANIC AND NON-HISPANIC WHITE LONG-TERM BREAST CANCER SURVIVORS. Conference: 45th Annual Meeting of the Society-for-Epidemiologic-Research (SER) Location: Minneapolis, MN Date: JUN 27-30, 2012 *AMERICAN JOURNAL OF EPIDEMIOLOGY* Volume: 175 Supplement: 11 Pages: S104-S104 Published: JUN 15 2012
  145. Connor A, Pinkston CM, Baumgartner RN, Baumgartner KB. Smoking, body mass index, and breast cancer risk: a pooled analysis of Hispanic and non-Hispanic white women from New Mexico. Abstract/Poster for the 5th Annual AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Diego, CA, October 27-30, 2012.
  146. Dee A, McKean-Cowdin R, Neuhaus ML, Ulrich C, Baumgartner RN, McTiernan A, Baumgartner K, Alfano CM, Ballard-Barbash R, Bernstein L. Acute-phase proteins (C-reactive protein and serum amyloid A) and post-diagnosis mammographic density in breast cancer survivors. Eleventh Annual AACR International Conference on Frontiers in Cancer Prevention Research, Anaheim, CA, October 16-19, 2012.
  147. Boone S, Baumgartner RN, Pinkston CM, Baumgartner KB. TGF- $\beta$  Signaling Pathway, ER $\alpha$  and the Heterogeneity of Breast Cancer Risk among Hispanic and non-Hispanic White Women. Abstract/Poster for the Susan G. Komen for the Cure 2nd Annual Post-Baccalaureate Training in Disparities, San Diego, CA, October 26-30, 2012.
  148. Connor AE, Baumgartner RN, Pinkston CM, Baumgartner KB. Obesity and risk of breast cancer mortality in Hispanic and non-Hispanic white women in a long-term assessment: The New Mexico Women's Health Study. Abstract/Poster for 6th Biennial Cancer Survivorship Research Conference, Cancer Survivorship Research: Translating Science to Care, Arlington, VA, June 14-16, 2012.
  149. George SM, Ballard-Barbash R, Villaseñor A, Alfano CM, Irwin ML, Neuhaus ML, Baumgartner RN, Baumgartner KB, Bernstein L, Smith AW, McTiernan A. Examination of Lean Body Mass and Physical Activity Associations with Bone Mineral Density Among Breast Cancer Survivors. Abstract/Poster for 6th Biennial Cancer Survivorship Research Conference, Cancer Survivorship Research: Translating Science to Care, Arlington, VA, June 14-16, 2012.
  150. Donneyong MM, Taylor KC, Baumgartner RN, et al. Calcium plus vitamin D supplementation and the risk of heart failure: the Calcium and Vitamin D Trial of the Womens Health Initiative Study. *Am J Epidemiol* 2013;177(suppl 11): S128.
  151. Boone SD, Baumgartner RN, Pinkston CM, Connor AE, Baumgartner KB. Genetic variation in Era and risk of breast cancer among Hispanic and non-Hispanic white women. 2013 Annual Meeting of the American College of Epidemiology, Louisville, KY. P02-S.

152. Connor AE, Baumgartner KB, Baumgartner RN, Pinkston CM, John EM, Terres-Mejia G, Hines L, Giuliano AR, Wolff RK, Slattery ML. Epidermal growth factor receptor polymorphisms and breast cancer among Hispanic and non-Hispanic white women: The Breast Cancer Health Disparities Study. 2013 Annual Meeting of the American College of Epidemiology, Louisville, KY. P04-S.
153. Connor AE, Baumgartner RN, Boone SD, Pinkston CM, Baumgartner KB. Obesity, ethnicity and quality of life among breast cancer survivors and women without breast cancer: The Long-Term Quality of Life Follow-up Study. 2013 Annual Meeting of the American College of Epidemiology, Louisville, KY. P05-S.
154. Yang D, Baumgartner RN, Baumgartner KB. Impact of pain among Hispanic and non-Hispanic white long-term breast cancer survivors. 2013 Annual Meeting of the American College of Epidemiology, Louisville, KY. P16-S
155. Kerber RA, O'Brien EO, Baumgartner RN, Cawthon RM. MicroRNA expression and mortality in the Utah CEPH Families. 2013 Annual Meeting of the American College of Epidemiology, Louisville, KY. P57.
156. Boone SD, Baumgartner KB, Baumgartner RN, Connor AE, Pinkston C, John EM, Torres-Mejía MD, Hines L, Giuliano AR, Stern M, Wolff RK, Slattery ML. Associations between CYP19A1 polymorphisms and breast cancer risk: interactions with genetic admixture and hormone-related factors in Hispanic and non-Hispanic White women. Abstract/Poster for the 6th Annual AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, Atlanta, GA. December 6-9, 2013.
157. McKean-Cowdin R, Neuhaus ML, Baumgartner RN, McTiernan A, Baumgartner K, Ballard-Barbash R, Bernstein L. Short-term reduction in mammographic density predicts survival in breast cancer. Abstract/Presentation for the American Association for Cancer Research. Washington, DC, April 6-10, 2013.
158. Connor AE, Baumgartner RN, Boone SD, et al. Risk of second primary cancer (SPC) after breast cancer: A pooled analysis of Hispanic and non-Hispanic white women from New Mexico. CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION Volume: 23 Issue: 11 Supplement: S Meeting Abstract: C87 Published: NOV 2014
159. Connor AE, Visvanathan K, Baumgartner K, Baumgartner RN, et al. Ethnic differences in the relationship between diabetes, adiposity measures and breast cancer-specific mortality. Conference: 106th Annual Meeting of the American-Association-for-Cancer-Research (AACR) Location: Philadelphia, PA Date: APR 18-22, 2015 CANCER RESEARCH Volume: 75 Supplement: 15 Meeting Abstract: LB-190 Published: AUG 1 2015
160. Donneyong MM, Hornung CA, Taylor KC, Baumgartner RN, Myers JA, Li W, Song Y, Martin LW, Gorodeski EZ, Shikany JM, Klein L, Eaton C, Manson JE. Vitamin D plus calcium supplementation and risk of heart failure: the Women's Health Initiative study randomized trial of calcium and Vitamin D. Poster presentation. Society for Epidemiologic Research annual meeting, Boston, MA, June 2013.
161. Connor AE; Visvanathan K, Baumgartner KB, Baumgartner RN, et al. Ethnic differences in the relationship between diabetes, early age adiposity, and mortality among breast cancer survivors: The Breast Cancer Health Disparities Study. Conference: 8th AACR Conference on the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION Volume: 25 Issue: 3 Supplement: S Meeting Abstract: C51 Published: MAR 2016
162. Connor AE, Visvanathan K, Baumgartner KB, Baumgartner RN, et al. Breastfeeding, parity and risk of mortality among Hispanic and non -Hispanic white women diagnosed with breast cancer: the Breast Cancer Health Disparities Study Conference: AACR 107th Annual Meeting on Bioinformatics and Systems Biology Location: New Orleans, LA Date: APR 16-20, 2016 CANCER RESEARCH Volume: 76 Supplement: 14 Meeting Abstract: LB-363 Published:

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163. Xia Z, Connor AE, Baumgartner KB, Baumgartner RN, et al. Associations between ALDH1A1 polymorphisms, alcohol consumption, and mortality among Hispanic and non-Hispanic White women diagnosed with breast cancer: The Breast Cancer Health Disparities Study. Conference: Annual Meeting of the American-Association-for-Cancer-Research (AACR) Location: Washington, DC Date: APR 01-05, 2017 CANCER RESEARCH Volume: 77 Supplement: 13 Meeting Abstract: 3280 Published: JUL 2017
164. Connor AE, Visvanathan K, Boone SD, Baumgartner RN, et al. The Relationship Between Diabetes, Hyperglycemia, and Mortality Among Hispanic and Non-Hispanic White Breast Cancer Survivors. JOURNAL OF WOMENS HEALTH Volume: 26 Issue: 9 Pages: 1027-1027 Meeting Abstract: P-10 Published: SEP 2017
165. Connor AE, Visvanathan K, Boone SD, Baumgartner RN, et al. Diabetes, Plasma Fructosamine, and Risk of Breast Cancer Mortality Among Hispanic and Non-Hispanic White Women from New Mexico. JOURNAL OF WOMENS HEALTH Volume: 27 Issue: 11 Pages: 1420-1420 Meeting Abstract: P-5 Published: NOV 2018
166. Connor AE, Visvanathan K, Boone SD, Baumgartner RN, et al. The association between type-2 diabetes and risk of mortality after invasive breast cancer among Hispanic and non-Hispanic white women from New Mexico. Conference: San Antonio Breast Cancer Symposium Location: San Antonio, TX Date: DEC 05-09, 2017 CANCER RESEARCH Volume: 78 Issue: 4 Supplement: S Meeting Abstract: P6-10-03 Published: FEB 2018
167. Connor, AE, Visvanathan, K, Boone, SD, Baumgartner, RN, Baumgartner, KB. Risk of comorbidities among Hispanic and non-Hispanic white breast cancer survivors compared to breast cancer free women CANCER RESEARCH Volume: 77 Supplement: 13 Meeting Abstract: 5274.
168. Cao Y, Baumgartner KB, Visvanathan K, Boone SD, Baumgartner RN, Connor AE. Ethnic and biological differences in the association between physical activity and survival after breast cancer. NPJ Breast Cancer. 2020 Oct 9;6(1):51.
169. LK Blair, J Howard, NC Peiper, BB Little, KC Taylor, R Baumgartner, L Creel, NC, DuPre. Residence in Urban or Rural Counties in relation to Opioid Overdose Mortality in Kentucky Public Health Association. 2022 April 22. Bowling Green, Kentucky. \*\*1st place winner for Outstanding Student, Epidemiology Poster.
170. Blair LK, Creel L, Peiper N, Little B, Taylor K, Baumgartner R, Howard J, DuPre N. Residence in Urban or Rural Counties in relation to Opioid Overdose Mortality in Kentucky before and during the COVID-19 Pandemic. SER 2022. 2022 June 16; Chicago, IL. Poster.

### **Invited Presentations**

- “In Vivo Body Composition Analysis”. Department of Biochemistry, School of Medicine, University of New Mexico, Albuquerque, NM, October, 1990.
- “Body Composition Methodology”. Department of HPPELP, University of New Mexico, Albuquerque, NM, May, 1991.
- “New approaches to the assessment of body composition in elderly persons.” Symposium de Recherche en Nutrition et Gerontologie: Modeles de Denutrition chez la Personne Agée, Toulouse, France, June, 1991.
- “Imaging techniques and anatomical body composition.” Symposium on Body Composition and Aging, S.B. Heymsfield and S. Yasumura, organizers. FASEB, Anaheim, CA, May 1992.

- "Multicompartment body composition analysis: models and methods." Departments of Exercise Physiology and Nutrition Science, University of Arizona, Tucson, AZ, September, 1992.
- "Assessment of body composition in human populations: what's wrong with the body mass index?". Epidemiology Research Seminar, University of New Mexico, 1993.
- "Body cell mass and fluid distribution". Symposium on Body Composition: Research and Clinical Advances, S.B. Heymsfield and D. Matthews, organizers. Am Society Parenteral and Enteral Nutrition, San Diego, CA, February, 1993.
- "Anatomical body composition and aging". Symposium on Body Composition: Research and Clinical Advances, S.B. Heymsfield and D. Matthews, organizers. Am Society Parenteral and Enteral Nutrition, San Diego, CA, February, 1993.
- "Bioelectric impedance and conductivity". Symposium on Controversies in Body Composition Assessment. A.F. Roche, organizer. Am College Sports Med, Indianapolis, May, 1994.
- "Prevalence and Correlates of Sarcopenia in Elderly New Mexicans". Department of Epidemiology, Johns Hopkins School of Public Health and Hygiene, May, 1996.
- "Epidemiology of Sarcopenia in Elderly New Mexicans". Interdisciplinary Program on Nutritional Sciences. University of Washington, Seattle, August, 1996.
- "Sarcopenia in the Elderly". Human Nutrition Research Center. Tufts University, Boston, MA, October, 1996.
- "Sarcopenic-Obesity in the Elderly". Department of Nutrition and Dietetics Seminar, University of Illinois at Chicago, March, 1998.
- "Nutritional Alterations in Aging". Serono Symposium, USA. Current Developments in the Evaluation and Treatment of Malnutrition. Huntington Beach, CA, December, 1998.
- "Body Composition and Aging". Nutrition & Aging XIII. Nutrition, Exercise and Aging Seminar. Dept. Veterans Affairs, John L. McClellan Memorial Veterans Hospital, Little Rock, AK, September 1998.
- "Body Composition and Aging". Symposium on In Vivo Body Composition Methods. Brookhaven, NY, October 1999.
- "Epidemiology of Sarcopenia". Summer Geriatric Symposium. St. Louis University School of Medicine, July 2000.
- "Epidemiology of Sarcopenia". Wake Forest University School of Medicine. May 2001.
- "Epidemiology of body fat distribution". FASEB Summer Research Conference, Snowmass, CO. August 2001.
- "Sarcopenia and sarcopenic-obesity". Max K Horwitt Memorial Lecture. St. Louis University, June 6, 2003.
- "Centralized obesity". American Society of Bariatric Physicians. Phoenix, AZ. June 2004.
- "Sarcopenic-obesity" American Society of Bariatric Physicians. Phoenix, AZ. June 2004.
- "Obesity" UNM School of Medicine Grand Rounds. June 2004.
- "Update on Obesity" UNM School of Medicine Grand Rounds. May 2005
- "Aging and Inflammation" NAASO Symposium on Life Cycle and Lifespan, Vancouver, Canada, October 19, 2005.
- "Obesity in the Elderly". Session organizer and chair. Annual meeting of NAASO the Obesity Society, October 20-24, 2006.
- "Sarcopenic-Obesity". Alberta Institute for Human Nutrition, University of Alberta. Edmonton, Alberta, CANADA. November 2006.

- “Methods of assessing muscle mass”. Pfizer, Inc., Groton, CT. November 2006.
- “Obesity and Cancer”, James Graham Brown Cancer Center, 2007
- “Sarcopenic-obesity and Cancer”, Canadian Society of Nutrition, Quebec, CANADA, 2008