Connie M. Weaver, Ph.D.
Distinguished Research Professor, San Diego State University
Distinguished Professor Emerita, Purdue University
CEO Weaver and Associates Consulting LLC
Colorado Springs, CO 80906
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765-412-2695 (Cell)

EDUCATION

Ph.D.	Florida State University. Thesis: Accumulation of nuclear fission products by vegetable crops and their removal during processing. 1978.
M.S.	Oregon State University. Thesis: Factors influencing enzymatic browning of ripening bananas. 1974.
B.S.	Oregon State University. Honors Thesis: Enzyme inactivation and quality of steam vs. microwave-blanched frozen broccoli. 1972.

RESEARCH AND PROFESSIONAL EXPERIENCE

2022-	Distinguished Research Professor, San Diego State University
2019-	Distinguished Professor Emerita, Purdue University
2019-	CEO Weaver and Associates Consulting LLC
2011-19	Director, Women's Global Health Institute, Purdue University
2017	Sabbatical Leave at Pennsylvania State University
2017-19	Associate Director of Indiana Core Center for Clinical Research in Musculoskeletal Disorders (ICCCR)
2010-19	Co-Director International Breast Cancer and Nutrition Project
2008-19	Deputy Director of NIH funded Indiana Clinical and Translational Science Institute
2000-	Distinguished Professor, Department of Nutrition Science (formerly Foods and Nutrition), Purdue University
2000-11	Director, NIH Botanicals Center for Age-Related Diseases
1991-16	Professor and Head, Department of Nutrition Science (formerly Foods and Nutrition), Purdue University
1996	Courtesy Appointment, Department of Food Science, Purdue University
1988	Kraft, Inc. Research Fellow
1988	Professor of Foods and Nutrition, Purdue University
1984	Associate Professor of Foods and Nutrition, Purdue University
1978	Assistant Professor of Foods and Nutrition, Purdue University
1978	Research Assistant, Department of Foods and Nutrition, Florida State University, Tallahassee, FL
1978	Teaching Assistant, Department of Chemistry, Florida State University, taught undergraduate radio-chemical techniques course
1977	Adjunct Faculty, Department of Foods and Nutrition, Florida State University
1975-77	Teaching Assistant, Department of Foods and Nutrition, Florida State University
1975	Research Associate, Department of Food and Resource Chemistry, University of Rhode Island, Kingston, RI
1974	Instructor, Department of Foods and Nutrition, Grossmont College, El Cajon, CA
1973	Teaching Assistant, Department of Foods and Nutrition, Oregon State University, Corvallis, OR

Special Appointments:

2021	NIH BOND-KIDS Working Group 1: Nutrition/Biology, Chair
2021	Nutrition Science Program, New York Academy of Science, Children's Investment Fund Foundation, Scientific Advisory Committee
2021-	Universal Scientific Education and Research Network Advisory Board
2021	Chair of International Life Science Institute Working Group to re-establish the North American branch
2021	Produce for Better Health Foundation (PBH) Scientific Advisory Council
2021	Institute for Advances in Food and Nutritional Sciences Low-Calorie Sweeteners Committee
2020	Scientific Committee of the First Electronic Conference in Nutrients, MDPI
2020-	California Walnut Commission Health Research Advisory Group
2109-	California Prune Board

2019 Carbon Botanical Research Center review panel, Chair
2017-19 International Life Sciences Institute, Chair
2017 President's Council on Fitness, Sports & Nutrition's Science Board
2016-17 Purdue Center for Cancer Research, Inaugural Co-Leader of Molecular and Translational Cancer Prevention Program
2015-17 International Life Sciences Institute, Vice Chair
2015-17 External Advisory Committee, Center for Research on Ingredient Safety, Michigan State University
2015-17 Pfizer Science Advisory Board
2015- Board Member, FDA Science Advisory Board
2014-18 NIH Advisory Committee on Research on Women's Health
2013- Board Member, Yogurt In Nutrition, Danone Institute International
2013 NIH Special Panel Reviewer for R01s
2013 NIH Panel Reviewer for Fellowships
2012 Member, USDA, ARS, Panel Chair for Human Nutrition (NP 107) Retrospective Review
2012 Member, Canadian Institutes of Health Research Review Panel
2011-17 Member, Food and Nutrition Board, Institute of Medicine
2010- Elected Member, National Academies of Science, Engineering and Medicine
2010-12 Board of Trustees, GEN YOUth Foundation (Fuel up to Play 60), NFL
2010- Board of Trustees, International Life Sciences Institute, Chair, Publications Committee
2009,2012 Sara Lee/Hillshire Farms Science Advisory Board
2008- Showalter Trustee Committee
2008- Executive Board, Bindley Bioscience Center
2007-09 North American Menopause Society task force to set vitamin D clinical guidelines for Physicians
2007-09 Corn Products International, Inc. GTC Scientific Advisory Board
2007-08 McCormick Health and Wellness Board
2006-15 Board of Trustees of the National Osteoporosis Foundation, member; Corporate Advisory Roundtable, Chair; Finance Committee, Science and Research Committee
2006-17 Pharmavite Science Advisory Board
2006-09 Global Nutrition Advisory Panel, Cadbury Schweppes Board
2005 Committee on Mineral Requirements for the Military, Institute of Medicine
2005 US Dietary Guidelines Advisory Committee
2004-08 Glaxo Smith Kline Calcium Board
2003 CSREES Review Team Member, Department of Food Science and Nutrition, University of Minnesota
2003-07 ORAFTI Board
2002-05 Member Data Safety and Monitoring Board for three different NIH Trials
2002-08 Wyeth Global Nutrition Advisory Board Member
2001-09 Executive Committee, International Life Sciences Institute of North America
2001 GCRC Site Visitor at Yale Medical School
2000-04 Joint Institute for Food Safety and Applied Nutrition Advisory Council Member
2000- Division of Nutritional Sciences Advisory Committee of the College of Agricultural, Consumer and Environmental Sciences, University of Illinois
1999 Coalition on Food, Nutrition, and Health: Building an Agenda for the Nation
1999 National Bone Health Campaign Scientific Task Force
1999 National Osteoporosis Foundation Working Group on Development of Peak Bone Mass
1999-2003 Nutrition Study Section - National Institutes of Health, Member, Chair 2001-2003
1998 Special Study Section, National Institutes of Child Health and Disease
1998 Kraft Scientific Advisory Panel
1998- Mead Johnson Women's Advisory Board
1998 Grain Nutrition Board, Kellogg Company
1998-2001 National Space Biomedical Research Institute, Board of Scientific Counselors
1998 Fellowship/AREA Special Emphasis Panel, National Institute of Aging
1998-10 Board of Trustees, International Life Sciences Institute, North America
1996-97 National Academy of Sciences Food and Nutrition Board Dietary Reference Intakes Panel Member for Calcium and Related Nutrients.
1996 NIH Clinical Small Business in Research Grant Review panel
1996 NIH General Clinical Research Center Site Reviewer
1996 USDA-Small Business in Research Grant Review Panel
1995 Expert reviewer for FDA on olestra food additives petition
1995-97 Nutrition Research Newsletter Advisory Board

1993-97 Scientific Advisor for the Food, Nutrition and Safety Committee of the North American Branch of the International Life Sciences Institute
1993-96 Food Chemicals Codex, National Academy of Science Committee
1993 NIH Nutrition Study Section - Small Business in Research Grants
1992 Grant Reviewer for NIH "Women's Health initiative"
1992 U.S.D.A. Human Nutrition Panel
1991 Grant Reviewer for NIH "Clinical and Epidemiology Research on Osteoporosis"
1990 Appointed to the Mineral Working Group, NASA
1989-93 Research Advisory Committee National Livestock & Meat Board

PROFESSIONAL SOCIETIES/ROLE

National Academy of Medicine, Engineering and Science	Interest Group Chair, 2017-2020
American Heart Association	Fellow, Lifestyle Nutrition Committee, 2017-
American Society for Nutrition	Fellow, Past President, Elected to Nominations Committee, 2019
American Society for Bone and Mineral Research	Fellow, Member
Institute of Food Technologists	Fellow, Former Executive Committee
Sigma Xi	Past President, Local Chapter
Society for Experimental Biology and Medicine	Member
Academy of Nutrition and Dietetics	Member
Phi Tau Sigma, Food Science Honor Society	Lifetime member

AWARDS AND HONORS

Top Reviewer for *The American Journal of Clinical Nutrition* (*AJCN*) (2020, 2021)
Fellow of the American Society for Bone and Mineral Research (2020)
American Heart Association Fellow (2019)
David Kritchevsky Career Achievement Award, American Society for Nutrition/ASN Foundation (2017)
Fellow of the American Society for Nutrition (2016)
Trailblazer Award, Institute of Food Technology and Academy of Nutrition and Dietetics (2016)
Nutrition and Bone Health Award, Yoplait Institute (2015)
NOF's Corporate Advisory Roundtable (CAR), Nutrition and Bone Health Award given by the Yoplait International Institute for Nutrition and Bone Health (2015)
Agricultural Communications, Association for Communications Excellence Gold Award (2014)
Purdue Spirit of the Land Grant (2013)
Herbert Newby McCoy Award (Purdue's top research award) (2012)
Linus Pauling Research Prize (2011)
Gilbert A. Leveille Lectureship and Award (ASN) (2011)
National Academy of Medicine, elected member (2010)
Natural Products Association's 2010 Burton Kallman Scientific Award (2010)
American Society for Nutrition Robert H Herman Award (2009)
Harris Award Ohio State University (2008)
Woman of Achievement in Indiana (2007)
North American Menopause Society/Glaxo Smith Kline Consumer Healthcare Calcium Research Award (2006)
Department of Foods and Nutrition Hall of Fame (2006)
Sigma Xi Faculty Research Award (2006)
McGovern Award Recipient, Ball State University (2006)
Centennial Laureate Award, Florida State University (2005)
American College of Nutrition Career Award (2005)
W.O. Atwater Lecturership, Agricultural Research Service, USDA and American Society for Nutritional Sciences (2003)
Michigan State University, G. Malcolm Trout Lecturer (2002)
Distinguished Professor of Foods and Nutrition (2000)
Lydia Roberts Memorial Lecturer (2000)
Julius Bauermann Lectureship Award, Philadelphia Section Institute of Food Technologists (1999)
Inducted into Purdue Teaching Academy (1997)
Institute of Food Technologists Babcock Hart Award (1997)
Distinguished Alumna, Florida State University (1997)

Outstanding Paper Award from the Vitamins and Mineral Research Interest Section, American Society for Nutritional Sciences (1997)
Elected Fellow of the Institute of Food Technologists (1996)
Special Recognition Award, Cooperative Extension Services (1995)
Elected Fellow of American College of Nutrition (1995)
Purdue University Health Promotion Award for Women (1993)
Gamma Sigma Delta Research Award of Merit at Purdue University (1992)
Ruth L. Pike Lecturer at Pennsylvania State University (1990)
Heritage Foundation Lecture at University of Alberta (1990)
Institute of Food Technologists Scientific Lecturer (1988-1991)
Institute of Food Technologists Indiana Section Outstanding Research Award (1991)
AMOCO Foundation, Inc. Purdue University Undergraduate Teaching Award (1986)
Mary L. Matthews Undergraduate Teaching Award (1985)

EDITORIAL BOARDS

Frontiers Special Issue, co-editor (2021) Plant Foods and Dietary Supplements Building Solid Foundations for Clinical Trials
Nutrients, Editor Special Issue (2021) Nutrients and Bone Health
Nutrition Today (2020-)
Nutrients (2017-)
Elsevier, Editorial Board of Bone Reports (2014)
Frontiers in Endocrinology, Editorial Board of Bone Research (2014-)
Osteoporosis International (2012-2017, 2019-)
Advances in Nutrition, Editor of Special Editions (2012)
Current Translational Geriatric & Experimental Gerontology (2011-)
Journal of Bone and Mineral Research (2004-)
American Journal of Clinical Nutrition (2001-2007)
Nutrition Research Reviews (1998-)
Academic Press, Food Science & Technology Book Series and Advances in Food & Nutrition Research (1997-)
CRC Series in Contemporary Food Science (1991-1995)
Journal of Nutritional Biochemistry (1990-2001)

Selected Committee Memberships:

American Heart Association Lifestyle Nutrition Committee (2017-)

National Academy of Medicine
- Interest Group Chair (2017-2020)
- Scientific Program Committee (2020-)

Institute of Food Technologists (IFT)
- ASN-IFT-IFIC Food Science and Nutrition Task Force (2007-2013)
- Awards Jury (2000-2007)
- Awards Committee (2001-2005)
- New Frontiers Task Force (2000-2001)
- Food Chemistry Division Organized and served as first chair (1995-1996)
- Executive Committee (1991-1993)
- Committee on Education (1994-1998, Chair 1996-1997)
- Education Task Force (1996-1998)
- Strategic Alliances Task Force (1995-1996)
- Annual Meeting Program Committee (1984-1990, Chairman 1989-1990)
- IFT Expert Panel on Food Safety and Nutrition (1990-1993)
- Scientific Lecturer (1988-1990)
- Nutrition Division, Chairman (1990) Chairman Elect (1989), Secretary (1985)
- Nominations and Elections Committee (1987-1990)
- Co-Regional Communicator (1984-present)
- Press Conference List (1985-present)
- Directory of Information Resources in Food Science and Technology (1985-present)

Outstanding Research Award – Hoosier Section
Indiana Councilor (1986-1989)
Indiana Section (Chairman 1983, held most other offices)

American Society for Nutrition (formerly American Institute of Nutrition and American Society for Nutritional Sciences)
Federation of European Nutrition Societies (FENS)-ASN, Best Practice in Nutrition Research Committee
Nomination Committee, elected member (2019-)
Education & Professional Development Oversight Committee (2019-2021)
Reviews, Papers and Guidelines Committee, Chair (2011-2016)
Spokesperson (2007-)
Task Force for IFT-ASN (2006-) – organized and raised funds for grant writing workshop competition
Task Force for Public Relations (2007)
Public Policy Committee (2007)
Representative to FASEB Funding Conference (2001)
Public Information Committee (2001)
Immediate Past President, (1999-2000)
President, (1998-1999)
President-Elect (1997-1998)
Treasurer, Council member, and Chair, Finance Committee (1992-1996)
Strategic Planning Development Group, Chair (1995-1996)
Publication Management Committee (1992-1995)
Program Planning Committee, Chairman (1989-1990)
Various Award Juries

FASEB Excellence in Science Committee (2018-2021)

Gamma Sigma Delta, President of Hoosier Chapter (1989-1990)

Phi Tau Sigma, President of Hoosier Chapter (1986-1987); Future Directions Committee (2021-)

Sigma Xi, President of Purdue Chapter (2003-2004)

Purdue University
College of Agriculture Distinguished Professor Review Committee (2019)
College of Liberal Arts Distinguished Professor Review Committee (2014)
Excellence Task Force Committee (2013)
Bruce Hamaker Distinguished Professor Committee, Chair (2013)
Public Health/Chronic Disease Cluster Hire, Chair (2012)
Bindley Biosciences Advisory Committee (2010-)
Governance Transition Team for the new College of Health and Human Sciences (2010)
International Nutrition and Breast Cancer steering committee (2009-)
Research Core Committee (2009)
Vice President of Research Search Committee (2008)
Strategic Plan Evaluation Committee (2006)
Conflict of Interest Committee (2005-2006)
Peixuan Guo Distinguished Professor Committee, Chair (2005-2006)
Kinam Park Distinguished Professor Committee (2006)
Metabalomics Advisory Committee – Discovery Park (2006-)
NMR Task Force (2003)
Advisor for Graham Cooks Mass Spectrometer facility (2003)
Interdepartmental Graduate Program Task Force (2003-2006)
Alastair Morrison Distinguished Professor Committee, Chair (2002-2003)
Distinguished Professor Committee in Engineering (2002)
Showalter Endowed Chair of Biomechanical Engineering Distinguished Professor Committee in (2002-2006)
Glen Parker Distinguished Professor Committee in Liberal Arts (2002-2003)
Life Science Mall Strategic Planning Committee (2002-3)
Medical Sciences Building Committee (2001-3)
Ray Bressan Distinguished Professor Committee (2002)

Sigma Xi Executive Committee (2001-; President 2003-2004)
Child Development and Family Studies Search Committee (2001-2002)
Provost Search Committee (2000-2001)
Life Sciences and Biotechnology Research Institute Director Search Committee (1999-2001)
Purdue Cancer Center Liaison Committee Member (1998-)
Industrial Research Activities Committee, (1999-)
Search Committee for the Director of Life Sciences and Biotechnology (1998-2000)
Search Committee for Consumer Sciences and Retailing Department Head, Chair (1997-1998)
Life Sciences Clusters Subcommittee, (1997-1998)
Leadership for Female Faculty, mentoring program (1997)
Conflict of Interest (1996-1999)
Promotion and Tenure Committee (1995-1998)
Excellence 21 Committee (1995-1996)
Interdepartmental (Graduate) Nutrition Program, Organizer and Chair (1992-1996)
Conflict Resolution Task Force (1994-1995)
Search Committee for the Dean of Science (1992) and Dean of Agriculture (1993)
Productivity Committee - Special Task Force (1993)
Graduate Council (1989-1992)
Human Subjects in Research Committee (1988-1989)
Interdepartmental Graduate Program in Food Science, Chairman (1986-1988)
Faculty Documents and Records (1980-1985)
Agricultural Experiment Station Liaison Committee (1987-1988)
School Core Curriculum Task Force, Chairman (1985-1986)
School Minigrants Task Force, Chairman (1985-1986)
School Honors Program, Chairman (1987-1989)

SELECTED INVITED PRESENTATIONS

2022 Johns Hopkins University, invited graduate seminar speaker
2022 Rutgers University, invited graduate seminar speaker
2022 San Diego State University Keynote, 8th Annual Josephson-Spindler Fundraising Gala
2021 Keynote for Korean Society of Food Science and Nutrition, Busan, Korea on New Era F& N Research
2021 Seminar on Potassium research at Chonnam National University, Gwangju, Korea
2021 Organizer, Best Practices for Human Nutrition RCTs: An Online Course from the American Society for Nutrition
2021 International Dairy Federation, The Dairy Matrix
2021 American Oil Chemist Society Plant Protein Science & Technology Forum, Chicago, Potassium as a Nutrient of Concern in Recent Dietary Guidelines
2021 Siggis Webinar Series, Icelandic Milk & Skyr Corporation, The Dairy Matrix (1365 registrants)
2021 University of Wisconsin graduate seminar Prebiotics, Gut Microbiome, and Bone Health
2020 12th Vahouny Fiber Symposium, invited speaker, Prebiotics, Gut Microbiome, and Calcium Metabolism
2020 Chaired Nutrition Working Group, ASBMR Virtual Meeting
2020 Symposium Speaker for ILSI South East Asia webinar on Nutrients for Optimal Health
2020 University of Kansas Medical Center, seminar
2020 International Medical University of Malaysia, Kuala Lampur, visiting scientist, gave 3 seminars
2020 University of Alabama at Birmingham Grand Rounds
2020 ILSI annual meeting Scientific Program Chair, Costa Rica
2019 American Heart Association, Baltimore, invited speaker
2019 American Chemical Society, San Diego, invited speaker
2019 Arizona State University, Phoenix, seminar
2019 Biofortis, Chicago, invited speaker
2019 Tufts University, Boston, invited speaker
2019 Magnesium Conference speaker, NIH
2019 Office of Dietary Supplements, NIH, invited speaker
2019 China, Beijing, Guanzhao, Chengdu, invited speaker
2019 University of Nebraska, seminar speaker
2018 University of Toronto, Department of Nutritional Sciences, Distinguished Speaker community seminar
2018 RANK Prize Fund, Grasmere, UK

2018 National Academy DRI Sodium and Potassium Committee
2018 Nutrition Symposia in Canada (4)
2017 Purdue Provost Leadership Fellows on Leadership
2017 International Symposium on Nutritional Aspects of Osteoporosis, Hong Kong
2017 Clinical Symposium, Hong Kong
2017 Caffeine and Bone, Experimental Biology, Chicago, IL
2017 Scientific Integrity, American Heart Association, Portland, OR
2017 Trailblazer Award Lecture, Chicago, IL
2016 Prebiotics and Bone Health, Institute of Food Technologists, Malaysia, Singapore, Illinois Academy of Dietetics
2016 Nutrition and Bone Health at Award Lecture, Paris, France
2016 Advance Keynote Lecture, University of Maryland, College Park, MD
2016 New York Bone Club, New York, NY
2015 NIH Conference on Peak Bone Mass, Planning Committee and Speaker
2015 American Heart Association (2 presentations)
2015 The Obesity Society
2015 International Symposium on Nutritional Aspects of Osteoporosis, Montreal Canada (Co-Organizer and 3 presentations)
2015 International Life Sciences Institute Taiwan, Taipei, Taiwan
2015 SHAPE American National Convention and Expo, Seattle WA
2015 Mini Symposium on Nutrition and Optimal Health: Calcium and Bone Health, The Hong Kong Polytechnic University, Hong Kong
2015 British Nutrition Foundation, Fibre Conference, London UK
2014 Dairy Australia, Nutrition Research & Science - Industry Promotion and Product Innovation, Melbourne and Hobart, Australia
2014 13th Pan American Dairy Congress, Mexico
2014 University of California, San Francisco, San Francisco, CA
2014 University of Colorado Medical Center, Denver, CO
2013 American Society for Nutrition (2 talks)
2013 International Union of Nutrition Science, Grenada Spain (3 talks)
2013 Safety of Calcium Supplementation, AUB School of Medicine, Beirut, Lebanon; European Endocrine Society, Italy; IFT Wellness 13, Chicago, IL; Endocrine Society, NOF
2013 ^{41}Ca Methodology, National Institutes of Health, Bethesda, MD
2013 Co-organized and speaker at Nutrition Aspects of Osteoporosis, Lausanne, Switzerland
2013 Nutrition and Bone Health, Pennsylvania State University, Pittsburg, PA
2013 International Breast Cancer and Nutrition Program, University of the Republic, Montevideo, Uruguay.
2012 Organized Nutrition Working Group, ASBMR Minneapolis, MN
2012 Processed Foods and Discussion on Calcium Supplement Safety Clinical meeting, American Society for Nutrition
2012 Calcium Supplement Safety Debate, European Endocrine Society
2012 Co-Organized and gave two talks, Nutritional Aspects of Osteoporosis, Lausanne, Switzerland
2012 Organized Purdue White Vegetables Roundtable, Chicago, IL
2012 Diet and Bone Health University of Aberdeen, Scotland
2010-2012 Co-organizer of International Breast Cancer and Nutrition symposia, Purdue and France
2011,2012 International Scientific Association for Probiotics and Prebiotics, Invited Speaker, Berkeley, Cork Ireland
2011 Organized Symposium, Using evidence based reviews to determine dietary advice: Vitamin D as a case study, IFT New Orleans
2011 Processed Foods and Bone and BMI talks, American Dietetic Association annual meeting, San Diego, CA
2011 Linus Pauling Prize lecture, Oregon
2011 Gilbert A. Leveille Lecture at Experimental Biology
2011 Calcium Requirements, American Association of Cereal Chemist, Cincinnati, OH
2010 Symposium at Experimental Biology, Nutritional magnesium status in North America
2010 Organizer and speaker for ASBMR Nutrition Working Group on new calcium and vitamin D requirements
2010 Keynote for 2010 Dietary Guidelines Roundtable, Chicago, IL and Washington, DC
2010 IFT Pre-conference short course on 2010 Dietary Guidelines
2010 Improving Vitamin D Status: A North American Perspective, Roundtable Discussion New Zealand
2010 Why should my teen consume dairy, New Zealand
2010 Calcium Requirements: Western view, New Zealand
2010 Planning Committee and speaker for NIH Consensus conference on Lactose Intolerance, February 22-24
2009 Co-Organized and gave 2 talks at the 7th Nutritional Aspects of Osteoporosis Symp., Lausanne Switzerland

2009 Symposium at Experimental Biology on Translational Research
2009 Organized Nutrition Working Group on vitamin K at ASBMR
2009 Scripps, University of Arkansas
2008 Australia Nutrition Conference
2008 Organized Mini-symposium on Bone Health at Experimental Biology, San Diego, CA
2008 Osteoporosis Symposium, Florida State University
2008 Debate – "Should Milk be part of a Healthy Vegetarian Diet" – Intl. Vegetarian Congress, Loma Linda, CA
2007 Continuing Education for Physicians, Series around South Africa
2007 Organized and spoke at Nutrition Working Group – ASBMR, Honolulu, HI
2007 Plenary speaker on Building Peak Bone Mass – Asian Nutrition Congress, Taipei, Taiwan
2007 International Dairy Federation – Calcium Requirements for Overweight and Obese, Dublin, Ireland
2007 Organized Botanicals Workshop at Experimental Biology, Washington, DC
2007 National Osteoporosis Federation CE Conference, Washington, DC
2007 Botanicals Research, Ethno-Botany Society Annual Meeting, Chicago, IL
2006 Organized Ca-41 Pre-American Society for Bone and Mineral Research meeting
2006 Vitamin D, calcium homeostasis, and skeletal acquisition in children, ASBMR Conference on Vitamin D, Washington, DC
2006 John Hopkins Continuing Education Seminar, ASBMR, Washington, DC
2006 Iowa Dietetics Association
2006 Congressional Briefing on Lifelong Importance of Calcium and Vitamin D
2006 Interrelationship between Calcium Intake, Vitamin D Status, and Calcium metabolism in Adolescents, Nutrition Aspects of Osteoporosis, 6th International Conference, Lausanne Switzerland
2006 Organized Controversy Session on Calcium Requirements for Experimental Biology at Experimental Biology, San Francisco, CA
2005 When Food Science Meets Nutrition Forums, IFT, EB, San Francisco
2006 McGovern Lecturer, Ball State University
2005 Hot Topics on Dietary Guidelines – IFT
2005 Research Award Lecture and Symposium Speaker, CAN, South Canada
2005 Inulin and Bone Health, Mexico City
2005 Vitamin D Requirements, University of Otago, Dunedin, New Zealand
2005 Esther Peterson Lecture on 2005 Dietary Guidelines from Nutrients to Food Patterns at American Council on Consumer Interests, The Ohio State University, Columbus, OH
2005 Dietary Guidelines for Building Bones and Health Weight, Nutrition File Seminars, Calgary, Alberta, Canada and Washington, DC
2005 Healthy School Initiatives in Alberta, Alberta, Canada
2004 Food and Nutrition Board Conference on Updating the DRIs: A case for Vitamin D
2004 Meet-the-Professor at American Society for Bone and Mineral Research
2004 Role of Calcium Nutrition and Other Lifestyle Factors in Bone Health, Harvard Univ., Boston, MA
2004 Nutrition Issues in Beverages Served at Schools, Nutrition Director's Conference, Athens, GA
2003 NIH Symposium on Nutrition and Building Peak Bone Mass, Washington, DC
2003 NIH Conference on vitamin D, Washington, DC
2003 Plenary Lecture on Calcium and Peak Bone Mass for ASBMR, Minneapolis, MN
2003 International Dairy Conference, Australia
2003 Keynote Speaker at 7th Congress of Nutrition, Brazil
2003 Botanicals Research, American College of Nutrition Symposium, Nashville, TN
2003 Eighth International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labeled Compounds, Boston, MA
2003 Effect of Soy Protein on Bone Health, FDA Toxicology Forum, Aspen, Colorado
2003 Fortification vs. Upper Levels, Institute of Food Technology Symposium, Chicago, IL
2003 Calcium Retention as a Function of Calcium Intake Nutritional Osteoporosis 5th International Conference, Lausanne, Switzerland
2003 Osteoporosis Prevention, American Association Food Service Symposium, Reno, NV
2003 W.O. Atwater Lecturer, Defining Nutrient Requirements from a Perspective of Bone Related Nutrients, Experimental Biology, San Diego, CA
2003 Lifestyle Choices that Influence Calcium Requirements for Optimizing Peak Bone Mass Symposium, Experimental Biology, San Diego, CA
2002 Botanicals Research Centers from a Center Directors Perspective. External Review by NIH.
2002 Surgeon General's Workshop on Osteoporosis Prevention, Washington, DC
2002 Malcom G. Trout Lecture, Michigan State University

2002 Bone Health Hazards: The make it or break it Teenage Years, Wyeth Consumer Products, Global Nutrition Advisory Board, Quebec City, Canada
2002 Building Bright Futures: Neonatal, Pediatric and Adolescent Nutrition in the 21st Century, IUSM
2002 What's New with Calcium?, Ohio Nutrition Council
2002 New England Dairy Lecturer at St. Luke's Presbyterian, NYC and Rutgers University
2002 Can You Eat Your Way to Stronger Bones?, National Osteoporosis Foundation, Honolulu
2001 Milk Components and Bone Health, International Dairy Foundation, Auckland, New Zealand
2001 Biomarkers for Bone Resorption at Functional Foods meeting in Paris, France
2001 Three day workshop/seminars on Calcium Nutrition, Bangkok, Thailand
2001 Calcium Needs of Growing Children, Caracus, Venezuela
2001 Botanical Dietary Supplements: Natural Products at a Crossroads, Asilomar, California
2001 Calcium Editors Conference, Florida
2001 Graduate seminar – student's select and host, University of Missouri
2001 Maine State Symposium in Osteoporosis, Sugar Loaf, ME
2001 Maximizing Bone Density in the Active Adolescent, ASCN, Baltimore, MD
2001 Institute of Food Technologists, "Where the "R" has gone in R&D", New Orleans, LA
2000 Phytoestrogens and Bone Health, Nutritional Osteoporosis 4th International Conf., Lausanne, Switzerland
2000 Coordinated Indiana Calcium Initiative and gave a presentation, Indianapolis, IN
2000 Panelist on Nutrition Pre-ASBMR Meeting, McMaster's University, Hamilton, Ontario
2000 The Role of Diet in Development of Peak Bone Mass, NICHD Council, Washington, DC
2000 Nutrition Research Throughout the Lifespan: Discoveries and Implications for Women's health, Washington, DC
1999 Calcium Fortification of Recombinant Milk and Milk Products, Penang, Malaysia
1999 Symposia on Calcium Physiology and Bones, Massey University, Palmerston North, New Zealand and Public Presentation on Nutrition and Adolescent Bone Health, Auckland, New Zealand
1999 NIH funded Pediatric Nutrition Conference on the New DRI's for Calcium and Long-Term Implications, Indianapolis, IN
1999 Irish Nutrition Society annual meeting on The Growing Years and Prevention of Osteoporosis Later in Life, Dublin, Ireland and Seminar on Calcium Absorption Physiology, University of Ulster, Coleraine, Ireland
1999 Workshop new Paradigms in Calcium Absorption and Retention, Experimental Biology, Washington, DC
1999 Organizer and Moderator of Focus Group on Improving Micronutrient Quality of the Diet at Experimental Biology, Washington, DC and co-organizer of symposium on same topic at International Life Science Institute annual meeting in Nassau, Bahamas
1999 Moderator for debate on Soy Isoflavones in Functional Foods at Experimental Biology, Washington, DC
1999 Nutrition and Osteoporosis, Foundation for Osteoporosis Research and Education, Oakland, CA
1999 Third Annual Maine State Symposium on Osteoporosis, Bangor, ME
1998 Invasive and Non-Invasive Measures of the Skeleton. American Dairy Science Association and American Society of Animal Science, Denver, CO
1998 Calcium Metabolism in Adolescents, Helsinki, Finland; Stockholm, Sweden, Aarhus, Denmark
1998 Calcium and Osteoporosis, Women's Health Conference, Texas A&M University
1997 Mineral Issues in Preventing Stress Fractures in Military Women, NAS, Washington, DC
1997 Calcium and Magnesium Bioavailability Workshop, Washington, DC
1997 Calcium Fortification Considerations, Health Canada, University of Toronto
1997 Visiting Professor in Nutrition, University of Iowa
1997 Women's Health Conference on Preventing Osteoporosis, Washington, DC
1997 Nutrition Concerns for Kids and New RDAs, Institute of Food Technologists, Orlando, FL
1997 Functional Foods Symposium Speaker on Fortification Strategies, Cork, Ireland
1997 Indiana Dairy Council Speaker on Setting the New Calcium Requirements, Indianapolis, IN
1997 Nutrition Concerns for Kids and Fat Substitute, Department of Education Annual Conference, Indianapolis, IN
1997 Dietary Choices for Receiving Adequate Calcium, Vegetarian Nutrition Congress, Loma Linda, CA
1996 Calcium Bioavailability for American Dietetics Association San Antonio, TX
1996 Hot Topic Symposium on Mineral Fortification of Foods for the American Institute of Nutrition, the IFT, and the American Dietetics Association National Meeting San Antonio, TX
1996 Bone Research in Space, Tokyo, Japan
1996 Summary of Research Conducted in Children: Fiber, Salt, and Calcium for the American College of Nutrition, San Francisco, CA
1996 Food Science Publication Education, Edmonton, Canada
1996 Update for Health Care Professionals on Calcium Requirements, Boise, ID, Cincinnati, OH, Washington, DC,

Columbus, OH
1996 Organized conference on Obesity for International Life Science Institute, Cancun, Mexico
1995 Calcium Requirements throughout the Life Cycle, London, England
1995 University of Cincinnati Children's Hospital on Building Peak Bone Mass
1995 Public Health Nutrition Update Conference on Adolescence: A time to Build Peak Bone Mass, University of North Carolina, Chapel Hill
1995 Dairy Farmers of Canada, Quebec City, Canada on Calcium Requirements
1995 Update for Health Care Professionals on Preventing Osteoporosis, Salem, OR; Albuquerque, NM; Indianapolis, IN; Denver, CO; Stanford, CA
1995 International Life Science Institute on Calcium and Bone Health, Cancun, Mexico
1994 NIH Consensus Conference on Optimal Calcium Intakes on Calcium Bioavailability
1994 Nutrition and Osteoporosis, 2nd International Conference, Lausanne, Switzerland
1994 Area IV - Dietetics Practice Group on Food Science for Dietetics Students, Albuquerque, New Mexico
1994 Institute of Food Technologists Symposium on The Muscle Food Iron Controversy
1993 AIN and ASBMR Symposia on Age Related Calcium Requirements
1993 National Cooperative Extension Food and Nutrition Specialist Workshop on Osteoporosis
1992 NASA on Calcium Metabolism
1992 Indiana Nutrition Council on Calcium and Osteoporosis
1992 Science Careers in Search for Women, Argonne National Laboratory Keynote Speaker "Calcium What it Can Do for Me?"
1992 Trace Element Mineral Metabolism Conference, Washington, DC, Calcium Metabolism in Adolescents
1992 International Congress on Vegetarian Nutrition, Washington, DC, on Calcium Bioavailability
1991 Nutrition and Osteoporosis Symposium, Lausanne, Switzerland
1991 American Institute of Nutrition Symposium on Nutrition and Exercise
1991 U.S.-Japanese Conf., Washington, D.C. Calcium Bioavailability and its Relationship to Osteoporosis
1990-91 IFT Scientific Lecturer in Minnesota and Oregon on Fat and Sugar Substitutes
1991 Indiana Nutrition Council
1991 Indiana Workshop on Nutrition, Health and Performance: Educating the Adolescent
1990 Centro Internazionale di Studi sull'Alimentazione-Symposium on Role of Dairy Products in Nutrition of the Elderly, Reggio Emilia, Italy.
1990 American Diary Science Association on Osteoporosis and Dairy Product Consumption
1990 Ruth L. Pike Lecture, Pennsylvania State University
1990 Heritage Foundation Lecture, University of Alberta
1989 American Oil Chemists Society on Effect of Phytate on Mineral Bioavailability
1989 Institute of Food Technologists on Nutritionists in the Food Industry
1989 FASEB Summer Conferences on Trace Elements (1985, 1983)
1988 IFT Scientific lecturer - Central New Jersey, Atlanta, Washington, D.C., Chicago on the Calcium Craze
1988 Chicago Nutrition Association on Bioavailability of Minerals
1988 Society in Nutrition on Calcium
1988 Indiana Governor's Council on Aging
1988 Indiana Dietetics Association on Calcium
1987 American Association of Cereal Chemists on Calcium and Hypertension
1987 National Extension Homemakers Council on Calcium
1987 Speaker and Chair of Symposium at FASEB on Calcium Absorption, Vitamin D, and Osteoporosis
1987 American Oil Chemists Society Symposium on Sucrose Esters
1986 Speaker and organizer of symposium at IFT on Food, Nutrients, and Hypertension
1985 USDA/CSRS Workshop on the Role of Nutrition in Health Maintenance, Urbana, IL
1984 International Conference on Selenium in Biology and Medicine, Beijing, China
1983 American Chemical Society Symposium on Stable Isotopes in Nutrition

Many additional lectures to industry, government, medical centers, universities, and extension training workshops, as well as clubs and special groups.

CONTRIBUTIONS IN ADMINISTRATION:

Accomplishments as Department Head:

In the Departmental self-study for the 5-year review in 2012, the Total Departmental budget was $8.6 Million of which $6.4 Million were contracts and grants. The department was recognized as the top external funded per faculty FTE at Purdue

for the 7th consecutive year. Positions requiring space grew by 80% under Weaver as Department Head with space that accommodated this growth through receiving library space, joint hires with the Cancer Center, Psychology, and Food Science. Subsequently, Weaver led an initiative to build a state-of-the-art clinical nutrition research center, creation of a transgenic mouse facility for the department, and partnered for building of a shared clinical building for the new college of Health and Human Sciences that housed a demonstration kitchen and teaching and research space for Nutrition Science. Weaver served on the transition team for creating the new college that brought together 9 departments.

New Programs initiated under Weaver as Department Head:

Launched a Capital Campaign for the Department of Nutrition Science – raised $12M (2014-2016)

Women's Global Health Institute (Weaver, Director created in 2011). The Center fosters research and education in Women's Cancers, Neurodgeneration, Bone Health and Wellness

Created two student innovation competition awards – Schwann's (2006) and Abbott (2008)

Created a Foods and Nutrition Recognition Program

The Hall of Fame program and recognition event was created in 2005 to honor alumni and friends of the department. The event was coordinated with our annual May Conference which offered continuing education credits for health professionals.

Initiated new undergraduate major in Nutrition, Health and Fitness

A new major was created in 1992 with area of strength in nutrition, exercise physiology and health promotion with the cooperation of the department of Health, Kinesiology and Leisure Studies. By the second year, the major had grown to 70 students.

Organized new Interdepartmental (Graduate) Nutrition Program

An interdepartmental doctoral program in nutrition was organized and approved by the graduate school in 1992. After two years, over 50 faculty from 10 departments at Purdue and the Indiana University School of Medicine were participating.

Organized Corporate Affiliates Program - 1996

The departmental activity was created to promote industry partnerships in all aspects of the departmental mission. $6,000 annual membership fee. In 1999, the program had 18 members. Use funds to buy new office furniture for graduate students, computers for faculty and students, and to sponsor a NIH Grant Writing course for F&N, ANSC, NURS, and VET faculty. By 2003, membership was 25 members and by 2006, 30 members.

Purdue-UAB Botanical Supplement Research Center (Weaver, Director and PI) created in 2000 with P50 grant from NIH. The Center has projects and research cores to study efficacy and safety of polyphenolics in botanicals in preventing age-related diseases.

Administrative Grants:

Anderson Foundation to Women's Global health Institute, 2013, $75,000

Clinical and Translational Sciences Award UL 1RR025761 (Shekhar PI), 5/10/08-04/30/2013 $25 million, Deputy Director (Purdue PI) 25% FTE; Renewed 2014-2019

Food Science Scholars Award, 1994-2000 Kellogg Company. $20,000 each year

Minority Scholarships for 4-H Food Science and Nutrition Workshops 1993-1994. Kraft General Foods. $4,200.

Purdue University Special Fellowships - annual for Interdepartmental Nutrition Program as Director, 1993-1996, 2000-

Prospective Graduate Student travel grants, 1996-2001. Procter & Gamble. $1,500/year

Co-author of academic reinvestment awards:

1998 Ismail Center for Education, Research, and Outreach in Health and Exercise
1999 Whole Animal Cancer Research Initiative

GRANT FUNDING

Palacios, C. (PI) 2019-2024 Effect of Soluble Corn Fiber Supplementation for 1 year on Bone Metabolism in Adolescents (MetA-Bone Trial). NIH, $3,431,886

Weaver, C.M. (PI) Waiting to give award Plant Based Beverages, DMI, $519,303

Gletsu Miller, N. (PI) 2018-2019 Bioavailability of Magnesium Formulations, ThinkHealthy Group LLC, $180,000.

DeSouza, M.J. (PI) 2016-2021 Randomized Control Trial of Dietary Supplementation with Dried Plums on Bone Density, Geometry and Estimated Strength in Postmenopausal Women, California Dried Plum Board, $824,542

Weaver, C.M. (PI) 2017-2022 Effects of dietary sodium intake on sodium regulation in adolescents 23Na-MRI will be used for non-invasive measurements of sodium content in muscle and skin using a 3.0T whole-body MRI system (MAGNETOM Prisma, Siemens Healthineers, Erlangen, Germany) $321,340

Caitlin (PI) 2017-2021 CIF21 DIBBs: EI: Creating a Digital Environment for Enabling Data-driven Science (DEEDS) $649,345

Moe, S. (PI) 2017-2022 Indiana Core Center for Clinical Research in Musculoskeletal Disorders, NIH (P30) $381,960

Weaver, C.M. (PI) 2016-2018 The Effect of Potatoes on Potassium Retention , Acid Base Balance, and Blood Pressure Reduction and in Mildly Hypertensive Men and Women, Alliance for Potato Research and Education $645,959

Weaver, C.M. (PI) 2016-2018 Trial of Dietary Patterns and Sodium Reduction on Blood Pressure in Adolescents, NIH/NHLBI U01HL128834 $1.78M

Weaver, C.M. (PI) 2014-2019 Berries and Bone, NIH R01-AT008754 $3.8M

Weaver, C.M. (PI) 2017-2018 Ancillary Studies to Camp DASH International Life Sciences Institute $135,300

Catlin, A. (PI) 2017-2021 CIF21 DIBBs: EI: Creating a Digital Environment for Enabling Data-driven Science (DEEDS) National Science Foundation $649-345

Teegarden, D. (Co-I) 2013-2105 Transdisciplinary Obesity Prevention Program – Undergraduate (TOPP-U) USDA Subcontract to University of Illinois $138,068

Mattes, R.D. (Co-I) 2014-2015 Interdisciplinary Training in Signals Controlling Ingestion and Obesity NIH (T32) $145,502

Gallant, K.H. (Mentor) 2015-2016 Phosphorus Absorption and Balance in Normal Physiology and Chronic Kidney Disease NIH K Award $139,609

Dydak, U. (Co-I) 2015-2016 3T MRI Scanner dedicated to Life Sciences Research NIH S10 $2,000,000

Weaver, C.M. (Deputy Dir/Co-I) 2013-2018 Indiana Clinical and Translational Sciences Institute, NIH $2.6M

Weaver, C.M. (PI) 2013-2014 Bioavailability of Potassium from Potatoes and Potassium Citrate, Alliance for Potato Research and Education, $343,468

Ferruzzi, M.D. (PI) 2012-2016 Exploring Foods To Enhance Health and Reduce Obesity, USDA, $241,000

Weaver, C.M. (PI) 2012-2014 Regulation of Calcium Metabolism: Influence of RANKL Inhibition, Amgen Inc., $170,238

Weaver, C.M. (PI) 2012-2013 Dose Response Effects of Soluble Corn Fiber (SCF) on Calcium Metabolism and Gastrointestinal Microflora in Adolescents, Tate & Lyle Ingredients Americas, Inc., $370,092

Weaver, C.M. (PI) 2012-2013 The Effect of Grapes on Bone Health and Calcium Metabolism in a Rat Model of Postmenopausal Osteoporosis, California Table Grape Commission, $30,000

Weaver, C.M. (PI) 2012-2013 Does High Calcium Exacerbate Atherosclerosis? Dairy Research Institute, $110,000

Weaver C.M. (PI) 2012-2013 The Effect of Soluble Corn Fiber (SCF) on Bone Resorption in Post-Menopausal Women Using ^{41}Ca Technology, Tate & Lyle Ingredients Americas, Inc., $242,223

Weaver, C.M. (PI) 2012 Dose Response Effects of Soluble Corn Fiber (SCF) on Calcium Metabolism and Gastrointestinal Microflora in Adolescence, Tate & Lyle Ingredients Americas, Inc. $370,092

Weaver, C.M. (PI) 2009-2012 Measure calcium kinetics in patients with stage 3/4 chronic kidney disease (CKD), Genzyme Corporation, $175,632

Weaver, C.M. (PI) 2010-2011 Grant writing webinar series for research at the Food Science and Nutrition Interface USDA/NIFA $5,000

Warden, S. (PI) 2010-2013 Indiana Center for Translational Musculoskeletal Research, IUPUI Office of the Vice Chancellor for Research, $300,000

Weaver, C.M. 2010-2013 (PI) A randomized controlled trial of hesperidin on bone turnover in postmenopausal women, Nestle Ltd, $405,435

Weaver, C.M. (PI) 2010-2011 SCF and Calcium utilization in adolescents, Tate & Lyle Ingredients Americas, Inc., $196,362

Weaver, C.M. (PI) 2009-2010 CT-07-05 Calcium Absorption Study, Wyeth Consumer Healthcare Division, $41,198.

Weaver, C.M. (PI) 2009-2010 Effect of various dietary fibers on calcium metabolism and bone parameters in an ovariectomized rodent model, General Mills, $134.091

Weaver, C.M. (PI) 2009-2013 Calcium Metabolism in Mexican American Adolescents, NIH R01 HD061908 $2,000,000

Weaver, C.M. (PI) 2008-2075 Discovery Park Seed Grant, Vitamin D, American Yeast/Lallemand, $50,000.

Lewis, R. (PI) 2008-2011 Supplemental Vitamin D and Functional Outcomes in Early Adolescence, NIH HD057126 $2,000,000

Weaver, C.M. (PI) 2008-2009 Effect of GOS Supplementation on Calcium Absorption and Retention and Bone Properties in Growing Rats, Friesland Food Domo $86,954

Weaver, C.M. (PI) 2008-2010 Vitamin D Potency from Enriched Yeast and Bread , American Yeast/Lallemand, $126,726

Weaver, C.M. (PI) 2008-2010 The Effect of GOS Supplementation on Calcium Absorption and Retention in Female Adolescent Girls, Friesland Food Domo $303,818

Weaver, C.M. (PI) 2007-2008 Effect of Various Fibers on Calcium Absorption and Mineral Balance, Tate & Lyle $160,439

Shekhar, A. (PI) Weaver, C.M. (Deputy Director) 2008-2013 Indiana Clinical and Translational Sciences Institute. NIH $21,168,775

Weaver, C.M. (PI) 2007-2008 Corn Fiber and Calcium Absorption. GTC Nutrition, $66,502

Pasentti, G (PI) Co-PI 2007-2012 Protective roles of grape-derived polyphenols in Alzheimer's disease. Centers for Excellence for Research on Complementary and Alternative Medicine $2,191,569

Weaver, C.M. PI 2007-2012 Influence of dairy on bone mass accrual, bone size, and fat and lean. DMI $1,326,127

Weaver, C.M. PI 2007-2008 The effects of particle size of calcium carbonate and vitamin D on calcium and bone parameters in adolescent girls. Delavau $796,630

Weaver, C.M. PI 2007-2008 The effects of particle size of calcium carbonate and calcium and bone parameters in an ovariectomized rat model. Delavau $346,279

Weaver, C.M. PI 2005-2007 The effects of particle size of calcium carbonate on calcium and bone parameters. Delavau $119,287.

Weaver, C.M. (Sellmeyer, D., PI). 2005-2008 Potassium citrate to prevent age related bone loss: Pilot Study. NIH/NIAMS N01-AR 52275 $466,851.

Weaver, C.M., Co-I (Boushey, C. PI). 2004-2008 Student centered web-based communities: Multi disciplinary approach for adolescent obesity prevention. USDA $466,126.

Weaver, C.M., 2001-2010. Botanical Center for Age-Related Diseases. NIH P50 AT000477 $14 million.

Weaver, C.M., Peacock, M., and Wastney, M. 1990-2007. Calcium metabolism in adolescents. NIH. R01 AR 40553 $5,537,599.

Weaver, C.M. 2004-2005. Dairy vs. calcium carbonate in promoting and retaining peak bone mass in rats. DMI $199,309.

Weaver, C.M., Campbell, W. 2004-2005. Correction of exercise-induced, sweat calcium loss in pre-menopausal sportswomen. Glaxo Smith Kline G2340324 $163,375.

Weaver, C.M., Teegarden, D., Campbell, W., Craig, B., Hannon, T., and DiMeglio, L. 2004-2007. Calcium, dairy, and body fat. NIH R01 DK 066108-01

Weaver C.M. 2004-2005. Calcium, dairy and body fat in adolescents – supplement to NIH grant. DMI $226,630.

Weaver, C.M. 2003. Calcium bioavailability from honey and its constituents. National Honey Board $69,220

Weaver, C.M. 2003. Efficiency of calcium absorption from different calcium salts and Effect of resistant starch on calcium absorption. Kraft Food Inc. $94,634.

Weaver, C.M. 2003-2004. Calcium absorption from fortified soy milks. White Wave $200,000.

Weaver, C.M. 2002-2005. ODS Training Supplement. PHS $123,606.

Weaver, C.M., Peacock, M., Pratt, H., McCabe, G., and Jackman, L. 1998-2002. Effect of sodium intake on calcium retention in black and white adolescent girls. NIH. HD 36609 $1,189,331.

Weaver, C.M. (Jeffery, PI) 2000-2004. Component interactions for efficacy of functional foods. USDA $2,510,041.

Weaver, C.M. (Savaiano, PI) 2000-2004. Improving bone health in adolescence through targeted behavioral intervention. USDA $3.7 million.

Weaver, C.M. 2000-2001. Calcium Absorption and Retention in Adolescent Girls. General Mills. $139,085.

Weaver, C.M. 2002. Effect of inulin on enhancing soy isoflavone bioavailability. Cargill. $18,133.

Weaver, C.M. (Burgess, PI) 2000-2001. Protective effect of grapefruit juice consumption on disease risk. Florida Department of Citrus. $168,741.

Weaver, C.M. (Teegarden, PI) 1999-2001. Do diets high in dairy products prevent weight gain in young women? Dairy Management, Inc. $272,553.

Weaver, C.M. 1999-2000. The effect of soybean isoflavones on calcium metabolism in rats. Protein Technologies. $116,953.

Weaver, C.M. 1999-2002. Effect of milk components on calcium absorption: Development of a Paracellular Absorption Model. New Zealand Dairy Board. $300,000.

Weaver, C.M., Cullon, D., Harrison, M., Sojka, M., Story, J., Harrington, D. and Kinch, M. Women's health effects of soy protein and soy isoflavones. Protein Technologies International. $74,289.

Lipscomb, E. (doctoral student) 1998-2000. Soybeans and calcium metabolism in postmenopausal women. NIA Special Emphasis Award. $28,732.

Weaver, C.M. 1999. Sweat sodium loss. Quaker Oats Co. $5,800.

Weaver, C.M. 1998-2000. Dairy nutrients that affect bone health in the elderly. Dairy Management, Inc. $50,204.

Weaver, C.M. and Heaney, R.P. 1998-2000. Effect of soybean isoflavones on calcium absorption and metabolism in humans. United Soybean Board/Indiana Soybean Council $202,488.

Lyle, R. and Weaver, C.M. 1997-1999. The effect of increased consumption of dietary lean beef on iron status of adolescent cross country runners compared to controls. National Cattleman's Beef Association $59,953.

Weaver, C.M. 1998. Calcium absorption from cereals. General Mills, Inc. $10,000.

Weaver, C.M. 1998. Effect of casein phosphopeptides and phosvitin on calcium bioavailability. Ross Laboratories. $17,000.

Weaver, C.M. 1997-1999. Calcium absorption from various salts. Kraft General Foods, Inc. $20,000.

Weaver, C.M. 1997-1998. Calcium bioavailability studies in the rat. Smith-Kline Beecham. $81,643.

Teegarden, D., Weaver, C.M., McCabe, G. and Lyle, R. 1996-1998. Dairy product consumption and indicators of health in young women. Dairy Management, Inc. $53,438.

Recker, R., R. Heaney, and C.M. Weaver. 1987-97. Calcium bioavailability from certain plant sources. NIH. AMS AHR-10 1P50 AR 39221-01T $475,231.

Weaver, C.M. 1996. Calcium bioavailability from formulas. Ross Laboratories $10,000.

Weaver, C.M. 1993-1996. Calcium and bone metabolism in the MIR space station. NASA. $60,000.

Weaver, C.M. 1993-1994. Phosphate binding by ferrihydrite. Abbott Labs. $35,000.

Weaver, C.M., Sedlock, D. Lyle, R., Hillberry, B., Johnston, C., Peacock, M., Slemenda, C., Burr. D. 1991-1995. Exercise and Bone Mass in Young Women. NIH. R01 AR 39560 $985,120

Weaver, C.M. 1992-1994. Minority Research Supplement. NIH. $109,373.

Weaver, C.M. 1991-1993. Pathway of absorption of calcium oxalate. Purdue Research Foundation. $17,000.

Lyle, R., Sedlock, D. and Weaver, C.M. 1991-1992. Long-term effects of oral iron therapy and increased consumption of muscle foods on iron status in exercising women. Ntl. Livestock and Meat Board. $64,173.

Weaver, C.M., Smith, D.L., Nielsen, S.S., Liska, B.J., and Nielsen, N.C. 1990-1991. Utilization of soybeans from tofu and soymilk: Tofu as a source of calcium. Agricultural Experiment Station. $40,000.

Lyle, R., Sedlock, D., Melby, C., and Weaver, C.M. 1990-1991. Effect of Oral Iron therapy vs. Increased consumption on Muscle Foods on Iron Status in Exercising Women. National Livestock and Meat Board. $57,444.

Weaver, C.M. and Smith, D.L. 1989-91. Calcium absorption from dairy products. Wisconsin Milk Marketing Board. $179,321.

Mason, A.C. and Weaver, C.M. 1989-91. Calcium metabolism in adolescents and educating the adolescent. Agricultural Experiment Station. $50,000.

Weaver C.M. and Smith, D.L. 1988-90. Exchangeability and absorption of calcium in humans. U.S.D.A. No. 88-37200-3695 $165,000.

Weaver, C.M. 1989. Calcium absorption from infant formula diet in rats. Ross Laboratories. $8,000.

Weaver, C.M. 1988-89. Calcium absorption from dairy products. Kraft, Inc. $20,000.

Mason, A.C. and C.M. Weaver. 1987-88. The effect of soybean phytic acid content on selenium bioavailability. Mead Johnson. $9,380.

Nielsen, S. and C.M. Weaver. 1986-88. Hard-to-cook defect in dry beans and cow peas. AID Program Support Grant. $30,414.

Weaver, C.M. and D. Smith. 1986-88. Calcium bioavailability from milk vs. calcium supplements. Wisconsin Milk Marketing Board. $168,603.

Weaver, C.M., D. Smith, and R. DiSilvestro. 1986-87. Mineral metabolism in the elderly. Showalter Funds. $47,573.

Mason, A.C. and C.M. Weaver. 1985-87. The characterization of the form of selenium in soybeans. CRGO/USDA. No. 85-CRCR-1-1867 $85,000.

Weaver, C.M. and A.C. Mason. 1985-87. Preliminary study of form of selenium in soybeans and casein. Mead Johnson. $5,000.

Smith, J.B. and C.M. Weaver. 1985-86. The effect of dietary calcium on platelet aggregation: association with the development of hypertension. National Dairy Council. $38,640.

Weaver, C.M. 1984-85. Dietary calcium and magnesium and hypertension. National Dairy Council. $28,930.

Cook, J. and C.M. Weaver. 1984. Iron deficiency program support. USAID Cooperative Agreement No. DAN-00227-A-00-2204-00 $1,000. (subcontract).

Weaver, C.M. 1984. Protein-mineral-phytic acid associations of iron, zinc, and selenium in soybeans. AES Assistantship. $6,500.

Weaver, C.M. 1982-83. Eggs and bioavailability of zinc and selenium. American Egg Board. $12,829.

Weaver, C.M. 1982-83. Interaction of soy flour and chopped beef on bioavailability of zinc. David Ross Grant XR 0544 $11,500.

Weaver, C.M. 1981-82. Accumulation, distribution, and bioavailability of zinc and chromium in processed soybeans. Food Science Institute. $10,700.

Janghorbani, M., V. Young, and C.M. Weaver. 1981-82. Labeling human foods with stable isotopes of Zn and Se. USDA. GCA279937 $16,095. (subcontract).

Weaver, C.M. 1981-82. Availability of iron in processed soybeans. Ralston Purina Co. $20,000.

Weaver, C.M. 1981. Intrinsic labeling of plant foods with stable isotopes. MIT. $1,282.

Weaver, C.M. 1980-82. Removal of trace elements by processing. AES Assistantship. $12,000.

CONTRIBUTIONS IN TEACHING:

Courses Taught at Purdue:

NUTR 365	Life Cycle Nutrition (2018)
NUTR 590	Clinical Nutrition Research (2017)
NUTR 105	Nutrition in the 21st Century (2014-2017)
NUTR 590B/605	Graduate Nutrition Core Course (co-taught with Dorothy Teegarden and Jim Fleet – developed in 2001; taught annually until 2019)
NUTR 590W	Co-developed and co-taught Women's Health from Estrogen Perspective
NUTR 290H	Sophomore Honors Course (developed in 1999 and taught annually from 1999)
NUTR/BCHM 615	Mineral Metabolism (team teaches course every other Spring until 2001)
NUTR/FS 453	Food Chemistry (every year until 1991 and occasionally thereafter)
NUTR 490	Honors Independent Study
NUTR 400	Executive in the Classroom (every Fall since 1984)
NUTR 695	Seminar (1981)
NUTR 536	Readings in Foods (1980)
NUTR 203	Foods: Their Selection & Preparation (1978)

Co-teach Bone Biology with IUPUI every other year

Contributions in course and curriculum development:

Developed video for Researchers on Good Laboratory Practices, Sponsored by Indiana Clinical and Translational Sciences Institute

https://youtu.be/jTd7j55F-XI

Developed NUTR 590 Clinical Nutrition Research (1 Cr)

The objective of this course is to examine clinical nutrition research for elements of design, populations, conduct, data analysis and management, and ethics. Lectures will be available online. Practical experiences are designed to re-enforce implementation of concepts from the lectures. Discussions will be of a recitation format.

Developed F&N/FS 453 Food Chemistry (4 Cr.) from F&N 322 Experimental Foods and ANSC 553 Food Chemistry

Food Chemistry F&N/FS 453 is taken by all dietetic students, nutrition science/premedicine students, foods and nutrition in business students, food engineering students, and all food science students in CFS and Agriculture until 2004. It is occasionally an elective for students in chemical engineering, veterinary medicine, food service and pharmacy. Each of the 50 plus students per semester must conduct new laboratory research projects in this course. This experience is frequently the only exposure to research for these undergraduate students. Some students continue the projects in independent study and contribute to papers for research journals.

Developed F&N 400 Executive in the Classroom

Food company executives are invited to present a lecture. The executive usually spends a day on campus with faculty and students from Foods and Nutrition, Food Science, Ag Engineering, and Animal Science programs. The department gains much from these series including needed input for program improvement, grant support, increased recruitment of our students, and greater visibility of Purdue's Departments of Foods and Nutrition and Food Science. Although this program is very time consuming, the returns for efforts spent are very valuable to Purdue and its students.

Teaching Publications:

Daniel, J.R., Yao, Y. and Weaver, C.M. "Carbohydrates: Functional Properties", in Food Chemistry: Principles and Applications, 2nd ed., Y. H. Hui (ed.), STS Technology System, West Sacramento, CA, 5-1 to 5-26, 2007.

Weaver, C.M. and Daniel, J.R. Ch. 5 Carbohydrate Functional Properties. In: Food Chemistry: Principles and Applications, Christen, G.L. and Smith, J.J., eds. Science & Technology Systems, West Sacramento, CA 2000 ISBN: 1-891796-01-1.

Charley, H. and Weaver, C.M. FOODS: A Scientific Approach. 3rd Ed. Prentice-Hall, Inc. Upper Saddle River, NJ 1998 Pp. 581 ISBN: 0-02-321951-3.

Weaver, C.M. and Daniel, J.R. The Food Chemistry Laboratory: A Manual for Experimental Foods, Dietetics, and Food Scientists, Vol. 16, ISBN 0849312930 2nd Ed. CRC Press, Boca Raton, FL 2003.

SELECTED ADVISORSHIPS:

Food Science Club Advisor (1989-1991)
Residence Hall Faculty Fellow (1982-2001)
Undergraduate advisees - 10-15/semester (1978-1991)
Minority Access to Research Careers program - 4

Visiting Faculty
Lara Nasreddine (America University of Beirut) – 2017
My-kyeong Choi (South Korea) – 2016
Mary Jane DeSouza (Pennsylvania State University) – 2015
Soon Mi Kim (South Korea) – 2014
Sumaira Sharif (Pakistan) – 2014
Andrea Buchholz (Guelph University, Canada) – 2010
Warren Lee (University of Surrey, England) – 2010
Wendy Ward (University of Toronto, Canada) – 2008
Somsri Charoenkiatkul (Mahidol University, Bancock Thailand) – 2003, 2005, 2006
Deborah Kerr (Curtain University, Perth Australia) – 2004
Ann Bock (New Mexico State University, Las Cruces NM) – 1999
Neuza Costa (co-advisor) (Universidade Federal de Vicosa, Brazil) – 1997-1998
Haebock Na (Seoul Korea) – 1995-1996
Jae Ok Koo (South Korea) – 1989-1990

Post-doctoral students
Sisi Cao 2018-
Joe Kindler 2017-2018
JoAnne Hodges 2016-2019
Claire Macdonald 2013-2014
Lucy Zhang 2009-2010
Mohammad Shahnazari 2006-2008
Jo Welch 2005
Cristina Palacios 2001-2002
Rebecca Bryant 2000-2001
Tasleem Zafar 2000-2003
Karin Wigertz 1999-2002
Jo Cadogan 1998-1999
Dorothy Teegarden 1991-1994
Sridhar Sathe (co-advisor) 1988-1990
Berdine Martin - 1985-2019 (Research Associate 1989-2019)

Ph.D. students - 39
Andrea Lobene –2020
Michael Stone –2020
Maria Rodriguez Maiz – 2019
Dennis Cladis (co-advisor) –2019
Tristan Lipke (co-advisor) – 2014
Emily Hohman – 2014
Kara Egan - 2013
WangHee Lee – 2011
Clara Park – 2011
Corrie Whisner – 2011
LeeCole Legette – 2010
Kathleen Hill – 2010
Lu Wu – 2009
Annie Elble – 2008
Susan Reinwald -2006
Michelle Braun – 2006
Jennifer Cheong – 2005
Yongdong Zhao – 2005
Jo Welch – 2004
Lisa Spence – 2002
Qinmin Zhang – 2001
Jianwei Cai - 2001
Cristina Palacios – 2001
Rebecca Bryant – 2000
Xin Shen - 1998
Lynne Connor – 1996
William Proulx – 1996
Denise Benway-Hanes -1995
Mark Kern – 1995
Kwang Ok Park – 1995
Sujatha Rajaram (co-advisor) – 1993
Rosemary Rodibaugh (co-advisor) 1989
Dawn Hentges – 1988
Alam Khan – 1987
Gene Evans - 1986
Cathy Johnson – 1985
April Mason - 1984
Heidi Schmidt – 1983
Mary Stuart - 1983

M.S. students - 20

Ömer Sermet – 2018
Steven Jakeman – 2015
Alyssa Phillips – 2013
Jessie Wiersma – 2011
Rajni Singh – 2008
Yong Jiang – 2005
Michelle Braun – 2003
Cristina Palacios – 1998
Sarah Froese Lewis (co-advisor) – 1996
Stephanie Millane – 1995
Lisa Jackman – 1995
Jonathan Davis – 1993
Karen Plawecki – 1991
Chris Jensen – 1988
Tim Hughes – 1988
Paula Laughner – 1983
Nancy Meyer – 1982
Sharon Levine – 1981
Susan Rynearson – 1981
Pu Hua Chen – 1980

Honors students - 17

Stephanie Kuo – 2014
Mara Gallo – 2013
Jenna Koehler – 2008
Shelley Davis – 2007
Kyle Kamp – 2007
Juno Farnsworth – 2003
Lauren Crites – 1999
Jeanne Tawney – 1999
Maria (Irene) Gunawan – 1996
Mary Vellota – 1996
Lisa LaFebvre – 1991
Renita M.-Y. Chueng – 1988
Rebecca Brown – 1988
Karen Dunsen – 1987
Catherine Krueger – 1986
Sue Pinter – 1983
Cindy Troyer – 1983
Katie Michon – 1984
Deidra Bush – 1982

PUBLICATIONS

Refereed Publications of Original Research:

1. Shlisky J, Mandlik R, Askara S, Abrams SA, Belizan JM, Bourassa MW, Cormick G, Driller-Colangelo Am, Gomes F, Khadilkar A, Owino V, Pettifor JM, Roth DE, Weaver C, Ziaul R. Calcium deficiency worldwide: prevalence of inadequate intakes and associated health outcomes. Ann NY Acad Sci In press 2022
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