

CURRICULUM VITAE

JASMINKA ILICH-ERNST, PhD, MS, RDN, FACN

Professor of Nutrition and Fulbright Scholar

Affiliate at the Institute for Successful Longevity, Florida State University and collaborating faculty in the Center on Better Health and Life for Underserved Populations Florida State University

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EDUCATION

Postdoctoral Experience: Department of Physical Medicine and Rehabilitation, Wexner Medical Center, The Ohio State University, Columbus, OH, 1994-1997

- Ph.D.** **Medicinal Sciences**, Institute for Medical Research and Occupational Health, University of Zagreb, Croatia, and Department of Physical Medicine and Rehabilitation, The Ohio State University, Columbus, OH, 1994
 Major Advisor: Velimir Matkovic, MD, PhD, Professor, Department of Physical Medicine & Rehabilitation, Wexner Medical Center (formerly, School of Medicine), The Ohio State University, Columbus, OH
 Dissertation: *“Interaction of growth, nutrition, and physical activity with bone mass of preadolescent females”*, performed in the Bone and Mineral Metabolism Laboratory, Department of Physical Medicine & Rehabilitation, The Ohio State University, Columbus, OH
- M.S.** **Foods and Nutrition**, Department of Nutrition and Integrative Physiology, College of Health, University of Utah, Salt Lake City, UT, 1991
 Major Advisor: Robert Kimura, MD, Professor and Chair, Department of Pediatrics, Rush Presbyterian St. Luke's Medical Center, Chicago, IL
 Thesis: *“Intestinal absorption of minerals calcium and magnesium and their interaction in catheterized rat”*, performed at the University of Utah Medical Center, Department of Pediatrics, Division of Neonatology.
- R.D.N.** **Registered dietitian and nutritionist**, license #800181
 Academy of Nutrition and Dietetics Commission on Dietetic Registration
- B.S.** **Chemistry**, University of Sarajevo, College of Natural Sciences and Mathematics, Department of Chemistry, Bosnia and Herzegovina (former Yugoslavia)
- A.S.** **Education and Teaching**, University of Sarajevo, College of Natural Sciences and Mathematics, Bosnia and Herzegovina (former Yugoslavia)

WORK EXPERIENCE

Academic Appointments:

Visiting Professor: 05/2015 –

University of Zagreb, Faculty of Food Technology and Biotechnology, Croatia

Named Professor (Hazel Stiebeling): 12/2005-12/2017

Florida State University, College of Human Sciences, Department of Nutrition, Food and Exercise Sciences, Tallahassee, FL (Names changed to: College of Education, Health, and Human Sciences, Department of Health, Nutrition, and Food Sciences)

Associate Professor, 1/1998-12/2005

University of Connecticut, School of Allied Health, Department of Health Promotion and Allied Health Sciences, Dietetics Program, Storrs, CT

Joint Appointments at University of Connecticut 06/2000-12/2005

Department of Nutritional Sciences and Department of Exercise Sciences and Kinesiology

Director, Bone and Mineral Metabolism Laboratory, 1/1999-12/2005

University of Connecticut, School of Allied Health, Storrs, CT

Director for Undergraduate Allied Health Courses, 8/1998-8/1999

University of Connecticut, School of Allied Health, Storrs, CT

Adjunct Assistant Professor, 1995-1997

The Ohio State University, College of Human Ecology, Department of Human Nutrition and Food Management, Columbus, OH

Professional Positions:

The Ohio State University

Research Scientist; Senior Research Scientist; Post-doctoral Fellow (6 years)

School of Medicine, Department of Physical Medicine & Rehabilitation, Columbus, OH

University of Utah

Research Specialist; Senior Nutritional-Biochemical Research Specialist (8 years)

University of Utah Medical Center, Department of Pediatrics, Division of Neonatology, Salt Lake City, UT

Chocolate and Candy Enterprise

Research, Development, and Quality Control Specialist (7 years)

Sarajevo, Bosnia & Herzegovina

Yale University

Research Assistant (1 year)

School of Medicine, Department of Pediatrics, New Haven, CT

LEITZ - Optic Lenses Manufacturer,

Chemistry-Student Technician (3 summer months)

Wetzlar, Germany

*OSRAM GmbH, Light Bulb and Electronic Wiring Manufacturer***Chemistry-Student Technician (3 summer months)**

Munich, Germany

Academic/Professional Functions:**Fulbright Scholar:** Awarded for 2022-2023 Academic year**Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS):**

Inducted as active member 2017-

National Osteoporosis Foundation (NOF): Nutrition and Physical Activity Subcommittee member, 2016-**Fulbright Institute of International Education, Council for International Exchange of Scholars:** Fulbright Specialist 2015-**The American College of Nutrition (FACN):** Fellow, 2004-*Consultant:***Biotekna®, Venice, Italy 2017-****Gerson Lehrman Group, Inc. (GLG) 2017-****FOREIGN COLLABORATIONS (Institutions and Scientist)****Institute for Medical Research and Occupational Health, Zagreb, Croatia (since 1994)**<https://www.imi.hr/en/the-institute/>

Maja Blanuša, PhD, Selma Cvijetić, MD, PhD, Jasna Jurasović, PhD, Martina Piasek, MD,

University of Zagreb, Faculty of Food Technology and Biotechnology, Croatia (since 2006)http://www.pbf.unizg.hr/en/departments/department_of_food_quality_control/laboratory_for_nutrition_science/nutrition_and_bone_health

Irena Colić-Barić, PhD, Irena Keser PhD, Ivana Rumbak, PhD

University Hospital Rijeka, Croatia; Division of Endocrinology and Metabolism, Department of Internal Medicine (since 2004)

Željka Crnčević-Orlić, MD, PhD, Olga Cvijanović, MD, PhD

University of the Free State, Department of Nutrition and Dietetics, Bloemfontein, South Africa (since 2010)

Corinna Walsh, PhD

University of Sarajevo, Faculty of Agriculture and Nutrition Sciences, Sarajevo, Bosnia and Herzegovina (since 2017)

Irzada Taljić, PhD

University of Belgrade, Institute of Medical Research (since 2022)

Vesna Vučić, PhD, Danijela Ristić-Medić, MD, PhD, Snježana Petrović, PhD, Aleksandra Arsić, PhD.

RESEARCH SCOPE

Integrative approach to relations between body systems and nutritional and environmental influences, applying molecular-signal transductions in physiological processes, with emphasis on:

Clinical trials: Nutritional intervention in human subjects incorporating behavioral modification and modes of physical activity to investigate body composition (bone, muscle, adipose tissue)

Outreach: Educational and social studies and health promotion in community-level populations

Translational: Animal models with feeding studies and radioactive isotopes

Basic: Mesenchymal stem cell differentiation – nutritional influences on osteoblast/adipocyte lineages; cross-talk with myocytes; irisin-brown adipose tissue axis

Metabolomics: Identifying metabolic profile for osteosarcopenic adiposity syndrome

Specialty Areas in Research**Clinical/Community**

- Nutritional and physical activity modifiers in chronic diseases
 - Bone health and body composition (muscle and fat tissue)
 - Behavioral modification for better compliance and long-term maintenance
- Osteosarcopenic adiposity syndrome (OSA)
 - Prevalence and mechanism of manifestation, nutritional and lifestyle measures for its prevention (Osteosarcopenic adiposity is a new term coined by Dr. Ilich in 2012-2014, encompassing decreased bone and muscle mass/strength coexistent with increased or redistributed adiposity). OSA has now been investigated throughout the world
- Weight reduction and bone/muscle preservation
- Child, adolescent, adult, and geriatric nutrition for healthy bones and body composition
 - Calcium, magnesium, zinc, iron absorption and bioavailability
- Probiotics and prebiotics influencing gut microbiota
 - Tilting the balance for alleviation of lactose intolerance and other chronic diseases
 - Creating a lower obesogenic internal environment
- Outreach and extension to minority population to improve nutrition and behavior toward better health outcomes
 - Focus on reducing cardiovascular risk factors and obesity in African American communities

Translational/Molecular

- Calcium, magnesium, zinc, iron absorption and bioavailability in human and animal models

- Intestinal absorptive capacity and metabolic processes of various substrates utilizing radioactive and stable isotopes
- Irisin and browning of white adipose tissue
- Cellular-level studies
 - Identifying new metabolites in adipose, muscle and bone tissues
 - Bone-muscle-fat metabolism: link for nutrigenomics and nutritional phenotyping

CURRENT/PAST MAJOR RESEARCH PROJECT

“The Health for Hearts United Collaborative” NIH-R01 Collaborator (PI, Ralston). 07/01/21-06/30/26, Total cost ~\$3,000,000 **1R01MD015074-01A1**

Completed (since 2009):

“Determining the metabolic profile for osteosarcopenic obesity syndrome in older women” FSU- Office of Provost and Office of Research; Dissertation Research Grant (Pegah JafariNasabian – doctoral candidate; **PI**, Ilich-Ernst); August 2016.

“Identifying osteosarcopenic obesity in older women” FSU- Office of Provost and Office of Research; Dissertation Research Grant (Julia Inglis – doctoral candidate; **PI**, Ilich-Ernst); August 2016.

“Dairy foods and cardiovascular risk factors in African American and Caucasian women” FSU- Office of Provost and Office of Research; Dissertation Research Grant (Ashley Carter -- doctoral candidate; **PI**, Ilich-Ernst); August 2016.

“Health for Hearts United Leadership Institute” NIH-R01 (National Institute for Minority Health). 2 R24 MD002807-06, **CO-PI** (PI, Ralston), Total cost \$1,524,790; 6/31/13-05/31/17.

EIEG (Equipment and Infrastructure Enhancement Grant), purchase of micro-Computed Analysis System for 3-D visualization of various materials. Florida State University, **PI** \$100,000, 2007 – on going use of equipment.

“Reducing Cardiovascular Risk in Mid-Life and Older African Americans” NIH-R01 (National Institute for Minority Health). National Center on Minority Health and Health Disparities; Community Based Participatory Research (CBPR), R24 MD002807-01, **CO-PI**, Total cost 1,727,481/5 years (\$238,863 to CO-PI), 07/01/08-06/31/13.

“Acceptability and Feasibility of Probiotic and Prebiotic Products in Alleviating Symptoms of Lactose Maldigestion in African Americans”. FSU-CRC Planning grant, **PI**, Cost \$13,000/year, 04/01/13-03/31/14.

“Body Mass as a Risk Factor for Inadequate Vitamin D Status: A Preliminary Study”. University of Zagreb, Croatia. **Collaborator** (PI, Irena Colic Baric), ~\$12,000/one year; 12/2014-12/2015.

“Exposure to Heavy Metals and their Effects in Pregnancy and Postnatal Period” Croatian Ministry of Science, Technology and Sports #022-0222148-2135, **CO-PI**, Cost \$30,000/year (original time frame 05/2007 – 05/2010). Extended on a yearly basis to 2013.

“Nutrition, Homocysteine and Bone Health” Croatian Ministry of Science, Technology and Sports #058-0222411-2820, **CO-PI**, Cost \$36,000/year (original time frame 05/2007 – 05/2010). Extended on a yearly basis to 2012.

“Weight Reduction with Calcium in Postmenopausal Women: Integration of Research with Education Outreach in Underserved Community” CSREES/National Research Initiative/USDA, # 2004-05287, **PI**, Total cost \$840,000/4 years, 2006-2010; no-cost extension to 2011.

“Calcium and Dairy Derived Bioactive Compounds as Stem Cell Mediators of Bone and Lipid Metabolism” National Dairy Council Nutrition Research – Dairy Management Inc. #1673, **PI**, Total cost \$50,000/year, 06/08 – 06/09.

“The Effect of N-3 Polyunsaturated Fatty Acids on Osteoblastogenesis, Adipogenesis and Bone Marrow Stem Cell Lineage Commitment” FSU – CRC/Cornerstone SGP Program (#119532), Internal grant. **PI**, Total cost \$3,000/year, 01/09-06/09.

“Bone Mass in Relation to Sodium Intake in Older Women”, NRI/USDA, **PI**. Total cost: \$246,000.

“Taste, Genetics, and Dietary Risk of Cardiovascular Disease” NRI/USDA, **Co-investigator**, Total cost \$220,000.

“Sodium Intake and Bone Mass in Postmenopausal Women” Donaghue Medical Research Foundation, **PI**. Total cost \$178,970.

REVIEWER (Partial, since 2009)

Grants:

- Italian Ministry of Health grant proposals, every year since 2015
- Sultan Qaboos University, Deanship of Research, United Arab Emirates, September 2015
- British Bioscience Research Council (BBSRC), June and September 2014
- United Kingdom Share Business Service Ltd. (UKSBS), September 2014
- American Association for the Advancement of Science (AAAS) Research Competitiveness Program, September 2013
- National Research Foundation of South Africa, August 2013
- National Institutes of Food and Agriculture (NIFA), July 2013
- Bioactive Food Components for Optimal Health, USDA-CSREES, July 2009
- Nutrient Bioavailability – Phytonutrients and Beyond, USDA-CSREES, W_TEMP2281
- NIH Center for Scientific Review (CSR), Integrated Review Groups (IRG) study sections
- United States Department of Agriculture (USDA)
- University of Connecticut Research Foundation
- University of Maine, Agricultural and Forest Experiment Station
- Ohio University Research Foundation

Manuscripts /Abstracts (partial):

Acta Biochemica et Biophysica Sinica; American Journal for Bone and Mineral Research; American Journal of Cardiology; American Journal for Clinical Nutrition; Archives of Gerontology and Geriatrics; Archives of Industrial Hygiene and Toxicology; BioMed Central (various journals); British Journal of Nutrition; British Journal of Sports Medicine; Clinical Intervention in Aging; Clinical Nutrition; Clinical Obesity; Collegium Anthropologicum; European J of Applied Physiology; European J of Clinical Nutrition; Experimental Biology and Medicine; Experimental Gerontology; Gene; International J of Food Science and Nutrition; International J of Preventive Medicine; J of American Academy of Nutrition (American Dietetic Association, Position Paper reviewer, 1998); J of the American College of Nutrition; JAMDA; J of Clinical Densitometry; J of Endocrinology; Journal of Molecular Endocrinology; Journal of Nutrition; Journal of Nutritional Biochemistry; Journal of Nutrition and Food Science; Journal of Pediatrics; Journal of Physical Activity and Health; Medicine & Science in Sports & Exercise; Lipids; Nutrients; Nutrition Research; Nutrition Reviews; Osteoporosis International; PLOS ONE; Public Health Nutrition; Science Reports.

Editor or Editorial Board Member: Archives of Industrial Hygiene and Toxicology; Frontiers-Clinical Nutrition; Journal of Nutrition and Food Science; Journal of Personalized Medicine; Nutrients; Osteoporosis International; Vitamins and Minerals

External Reviewer for Dissertations, Promotions & Tenure (since 2009):

University of Bahrain (2021, 2022); Utah State University (two applications for promotion and tenure in 2017); University of Free State, South Africa (2011, 2012, 2014, 2015, 2016); University of Cape Town, South Africa (2015); University of Houston, College of Liberal Arts and Social Sciences (2015); Rudjer Bošković Institute, Zagreb, Croatia (2013); Kansas State University (2009, 2011); Oregon State University (2010); Ohio University (2010); Kent State University, Kent, Ohio (2010); University of Connecticut (2009); Louisiana State University (2009); University of Kentucky (2009); University of Utah (2009).

PANELS, SYMPOSIUM AND WORKSHOPS ORGANIZER

(since 2009):

- Fulbright Instructor for the European Pre Departure Applicants 2024
- Fulbright Reviewer for the incoming applications 2023
- Panel Member for the Italian Ministry of Health grant proposals, Since 2015-
- Scientific Committee Member for the 8th International Congress of Nutritionists (organized by the Croatian Federation of Nutritionist Associations and co-organized by partners of The Federation of European Nutrition Societies, the Association for Applied Nutrition in Bosnia and Herzegovina and the student association PROBION), May 2022
- Panel Member for Sultan Qaboos University, Deanship of Research, United Arab Emirates, September 2015
- Panel Member for the British Bioscience Research Council (BBSRC), June and September 2014
- Panel Member for the United Kingdom Share Business Service Ltd. (UKSBS), September 2014
- Organizer, Chair and Speaker, The 11th Hazel Stiebeling Symposium, Florida State University, Tallahassee, FL May 2012, May 2013, May 2014
- Panel Member for the American Association for the Advancement of Science (AAAS) Research

Competitiveness Program; Review of Nutrition Proposals for the Science Agency of Saudi Arabia, September 2013

- Panel Member: National Research Foundation of South Africa, August 2013
- Panel Member: Function and Efficacy of Nutrients; National Institute of Food and Agriculture (NIFA), July 2013
- Session Chair, The 7th International Congress of Food Technologists, Biotechnologists and Nutritionists, Croatia, 09/11
- Nutrition Workshop Chair – American Society for Bone and Mineral Research annual Conference, Toronto, Canada 10/10.
- Panel Member: Bioactive Food Components for Optimal Health, USDA-CSREES, July 2009
- Nutrition Workshop Chair – American Society for Bone and Mineral Research annual Conference, Denver, CO 09/09.
- Vitamin D Session Chair – Experimental Biology Conference, New Orleans, LA 04/09

PRESENTATIONS AND PARTICIPATION AT NATIONAL / INTERNATIONAL CONFERENCES (since 2009)

- 8th International Congress of Nutritionists, 05/2022
 - Plenary Speaker
- Nutrition Society Winter Conference Live, 12/2020
 - Invited Speaker
- Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS) 10th and 11th Annual Conference, Internatinal Symposium in Family Medicine, Sarajevo, Bosnia & Herzegovina 06/2018; and 06/2019
- 3rd Global Summit on Nutritional Science and Food Chemistry, Osaka, Japan, 06/19
 - Plenary Speaker
- 21st European Nutrition and Dietetics Conference, Dublin, Ireland, 06/18
 - Plenary Speaker
- Open Academy of Medicine Conference, Venice, Italy 03/2018, 03/2019, 03&09/2020; 04/2021; 04/2022
 - Invited Lecturer
- 24th Annual Meeting of International Society for Clinical Densitometry, Boston, 11/17
 - Plenary Speaker
- The 8th Congress of the Croatian Society of Endocrinology, Opatija, Croatia, 10/17
 - Plenary Speaker
- Advances and Controversies in Clinical Nutrition (American Society for Nutrition), 6th Annual Meeting, Orlando, FL, 12/16
- American Society for Bone and Mineral Research, 38th Annual Meeting, Atlanta, GA, 09/16
- 5th European Nutrition and Dietetics Conference, Rome, Italy 06/16
 - Invited Speaker
- Experimental Biology Annual Meeting, San Diego, CA, 04/16
- 7th International Conference on Children's Bone Health (ICCBH), Salzburg, Austria, 06/15
- 28th Nordic Lipid Forum Symposium, Reykjavik, Iceland, 06/15
 - Invited Speaker:
- Experimental Biology Annual Meeting, Boston, MA, 03/15
 - Invited speaker for the Symposium: Nutritional Approaches for Osteosarcopenic Obesity

- 67th Annual Scientific Meeting of the Gerontological Society of America, Washington DC, 10/14
- American Society for Bone and Mineral Research, 36th Annual Meeting, Houston, TX, 09/14
- EMBO/EMBL Symposium: Translating Diabetes. Heidelberg, Germany, 04/14
- 66th Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA, 11/13
- American Society for Bone and Mineral Research, 35th Annual Meeting, Baltimore, MA, 09/13
- 40th European Calcified Tissues Society Conference. Lisbon, Portugal 05/13
- Summit on the Science of Eliminating Health Disparities, National Harbor, Maryland, 12/12
- Gerontological Society of America, San Diego, CA, 11/12
- American Public Health Association Annual Meeting, Washington DC, 10/12
- Croatian Society of Endocrinology – Postgraduate Studies Special Courses. Opatija, Croatia, 09/12
 - Plenary Speaker
- 39th European Calcified Tissues Society Conference. Stockholm, Sweden, 05/12
- American Association of Family and Consumer Sciences, Indianapolis, IN, 06/12
- Experimental Biology, Annual Meeting, San Diego, CA, 04/12
- International Symposium on Preventing Chronic Disease: Research trends and tools for risk assessment and management. Seoul, South Korea, 12/11
 - Invited Speaker
- The 5th Congress of the Croatian Society of Endocrinology. Pula, Croatia, 09/11
 - Invited Speaker
- The 7th International Congress of Food Technologists, Biotechnologists and Nutritionists, Opatija, Croatia, 09/11
 - Invited Plenary Speaker and Session Chair
- The 7th Asia Pacific Conference on Clinical Nutrition, Bangkok, Thailand, 06/11
 - Invited Speaker
- American Association of Family and Consumer Sciences, Phoenix, AZ, 06/11
- The 2nd International Congress on Abdominal Obesity, Buenos Aires, Argentina, 02/11
 - Invited Speaker
- Gerontological Society of America's Annual Scientific Meeting, New Orleans, LA, 11/10.
- American Society for Bone and Mineral Research, 32nd Annual Meeting, Toronto, Canada, 10/10.
 - Invited Speaker
 - Nutrition and Bone Workgroup Chair
- Experimental Biology, Annual Meeting, San Diego, CA, 04/10
- American Society for Bone and Mineral Research, 31st Annual Meeting, Denver, CO, 09/09.
 - Invited Speaker
 - Nutrition and Bone Workgroup Chair
- International Conference on Diversity in Organizations, Communities and Nations, Riga, Latvia, 06/09.
 - Invited Speaker
- 36th European Calcified Tissues Society Conference, Vienna, Austria, 05/09
- 8th European Congress on Menopause, London, UK, 05/09
- New frontiers in Skeletal Research: Bone, Fat and Brain Connection, Washington, DC, 04/09.
 - Young Investigator's Award for: Kelly OJ (Ilich JZ mentor); Role of Conjugated Linoleic Acid in Osteoblast, Adipocyte and Bone Marrow Stem Cell Proliferation.
- Experimental Biology, Annual Meeting, New Orleans, LA, 04/09
 - Vitamin D-Session Chair

PRESENTATIONS AND PARTICIPATION AT STATE / LOCAL CONFERENCES (since 2007):

- ❖ Florida Alliance for Health Professions Diversity (FAHPD); Florida Agricultural and Mechanical University, College of Pharmacy and Pharmaceutical Sciences, Tallahassee, FL 04/18
- ❖ Research and Creativity Day, College of Human Sciences, Florida State University, Tallahassee, FL, Yearly since 2007 through 2017
- ❖ 8th & 9th Annual FSU Undergraduate Research Symposium – University Honors Program, Spring 2007 & 2008
- ❖ Participation at the FSU day at Capitol, Tallahassee, FL, Spring 2007

INVITED SEMINARS, LECTURES, AND IN-SERVICES
(since 2009)

- Seminar at the University of Belgrade, Institute for Medical Investigation, November 2022
- Lectures and seminars at the University of Sarajevo, Faculty of Agriculture and Nutritional Sciences, Sarajevo, Bosnia and Herzegovina, November 2020 (on-line)
- Seminars at the University of Sarajevo School of Science and Technology, as part of 5th & 6th Annual Seminars: Research Frontiers in Medical Science, Sarajevo, Bosnia and Herzegovina, June 2018 and June 2019
- Consultations, Lectures and Collaborative Work at the Institute for Medical Research and Occupational Health, Zagreb, Croatia and at the Biotechnology and Nutrition Department at the University of Zagreb, Croatia May/June 2011, 2012, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022
- Lectures at the Center for Interdisciplinary Studies, University of Sarajevo, Bosnia & Herzegovina, October 2017
- The triad of bone, muscle and adipose tissue deterioration in older women: The osteosarcopenic obesity syndrome. Presentation at the ISL/CAENRA Brown bag lunch at Florida State University, February 2015
- Organizer for the 11th Hazel K. Stiebelling Symposium: “*Brown fat: A possible harbinger for the obesity treatment*”. Florida State University, Tallahassee, FL 2012, 2013, 2014
- Brown fat, beige fat and irisin axis. Presentation at the 11th Hazel K. Stiebelling Symposium. Florida State University, Tallahassee, FL April 2014
- Research planning, collaborative work and seminars at the University of Free State, Bloemfontein, South Africa, May/June 2013
- Low-grade chronic inflammation perpetuated by Western-type diet as a promoter of obesity and osteoporosis. Presentation at the 10th Hazel K. Stiebelling Symposium. Florida State University, Tallahassee, FL May 2013
- Osteosarcopenic Obesity: A new term for an old problem. Presentation at the 9th Hazel K. Stiebelling Symposium. Florida State University, Tallahassee, FL, May 2012
- Obesity in menopause from the bone health perspective. University of Zagreb, Faculty of Food Technology and Biotechnology, Zagreb, Croatia, September 2011
- Dietary Recommendations of Nutrients: the American way and what the rest of the World is doing. Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia, July 2009
- Consultations, Lectures and Collaborative Work at the Institute for Medical Research and Occupational Health, Zagreb, Croatia, 06/09-07/09
- Annual Colloquium: Nutrition and Bones. University of Zagreb, Faculty of Food Technology and

Biotechnology, Zagreb, Croatia, July 2009

- Dietetics as a Profession – Role and Meaning of the Registered Dietitian in US, Lectures to Freshman class at the Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia, June 2009
- Aging population: Nutrition, Bone Health and Body Composition, Lectures to Upper- class at the Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia, June 2009
- Nutrition Throughout Life-cycle. Guest Lecturer. Developmental Psychology, Department of Psychology, Florida State University, April 2009.
- Calcium, magnesium phosphorus and vitamin D: update and new research. Guest-lecturer, College of Human Sciences, Florida State University, March 2009.
- Osteoporosis: Update on treatment, prevention and new research. Guest-lecturer, College of Human Sciences, Florida State University, March 2009.
- The Importance of Multi-Disciplinary Research. GSAC Colloquium, College of Human Sciences, Florida State University, February 2009.

ACADEMIC AND PROFESSIONAL SERVICE at FLORIDA STATE UNIVERSITY (since 2006)

Department

- ❖ Undergraduate Studies Committee, Fall 2015 -- 2017
- ❖ Promotion and Tenure Committee, 2014 -- 2017
- ❖ Space Committee, Fall 2013
- ❖ Department Executive Council (DEC), Fall 2011-Fall 2012, Fall 2015 -- 2017
- ❖ New Degree Offering (MS in Nutrition and Exercise Science) Committee Chair (Spring 2011)
- ❖ Graduate Student Admission Committee, Fall 2008 -- present
- ❖ Search Committee, 2006, 2007, Fall 2009, Spring 2010, Spring 2011, 2013
- ❖ Scholarship Award Committee, Spring 2009
- ❖ Infrastructure Task-Force Committee, Chair – Spring 2008 -- 2017
- ❖ Liaison: Honors-in-the-Major Fall 2006 – 2017
- ❖ Promotion, Tenure, and Reappointment Committee (chair) Fall 2006 – Fall 2007; Fall 2008 – Fall 2009; 2010, 2011, 2012 -- 2017

College

- ❖ Named Professorship Selection Committee Spring 2016 -- 2017
- ❖ Grievance Committee representative Fall 2013 – Fall 2016
- ❖ Promotion, Tenure, and Reappointment Committee Fall 2013 – 2017
- ❖ Promotion, Tenure, and Reappointment Committee Fall 2014, 2015, 2016
- ❖ Faculty Advisory Committee Representative, Fall 2010, Chair from Fall 2011 -- 2014
- ❖ Commencement Ceremony, August 2006 and December 2006 (Marshal); December 2009, August 2016 (Marshal)
- ❖ Scholarship Committee – Spring 2006 – Spring 2007; 2009

University

- ❖ University Promotion, Tenure and Reappointment Committee -- CHS representative, Fall

2014, Fall 2015, Fall 2016

- ❖ Graduate Policy Sub-committee for Program Evaluations, Fall 2014
- ❖ Animal Research Advisory Committee, Spring 2013 – Fall 2015
- ❖ University Senator, Spring 2011 – Fall 2013; reelected, Spring 2014 – Fall 2015
- ❖ Graduate Policy Committee, Fall 2011 --
- ❖ Council for International Education and Programs, August 2007 –

COURSES TAUGHT AT FLORIDA STATE UNIVERSITY (since 2006)

Undergraduate

- HUN 1201 Course Coordinator for Science of Nutrition, Since Spring 2010 – Fall 2015; (9-11 TAs; 500-1000 students depending on semester); Developed custom book in 2011, generating \$15,000-\$20,000/year to the NFES Dept.
- HUN 1201 Science of Nutrition, Summer 2012, 2013, Spring 2016 (~120 students)
- HUN 3226 Metabolism of Micronutrients, since Spring 2007 – every semester (80-230 students, depending on semester)
- HUN 4905 Directive individual Studies (DIS), Every Semester 1-3 students
- HUN 4913r Honors-in-the-Major Thesis, major professor.
Spring 2007 (1 student), Fall 2007 (2 students), Spring 2008 (1 student), Fall 2011 (1 student), Fall and Spring 2012 (2 students) Spring 2013 (4 students); Fall 2013 (2 students); 2014 and 2015 (4 students); 2016 (1 student)

Graduate

- HUN5242 Carbohydrates, Proteins and Fat, Since Fall 2014, each Fall
- HUN5243 Advanced Metabolism of Micronutrients, Since 2007, each Spring
- HUN/FOS/PET5930 Research Seminar, Fall 2006, Spring 2009
- HUN 5906 Special Topics, Since Spring 2008
- HUN 5938 Health Issues in Aging, Spring 2009
- HUN 6906 Special Topics, Since Fall 2006
- HUN 6911 Special Topics, Since Spring 2006
- HUN 6940 Supervised Teaching, Since Spring 2008
- HUN 6980 Dissertation, Since Fall 2007
- HUN 8964 Prelim Doctoral Exam, Since Fall 2007 continuous, at least 1 student/semester

MENTORED THESES/DISSERTATIONS (Florida State University-since 2006)

Postdoctoral Fellows:

Owen Kelley (2004 PhD University College Cork, Cork Ireland), 09/2007-07/2009

Crystal Douglas (2006 PhD, RD University of Alabama, Birmingham), 01/2008-01/2009

Pei-Yang Liu (2009 PhD, RD Florida State University), 01/2010-08/2011

Youjin Kim (2011 PhD, Florida State University, Spring), 2012

Fulbright Scholars:

Ronette Lategan, University of Free State, South Africa; Fall 2010-Spring 2011

Zein Alzomunt, Master student from Jordan, Spring 2013

Doctoral Students; Major Advisor/Mentor

Aaron Crombie, MS, RD -- PhD, Spring 2009 (graduated)

Dissertation: WEIGHT AND BODY COMPOSITION CHANGE IN FRESHMAN MALE STUDENTS

Pei-Yang Liu, MS – PhD with dietetic internship, Fall, 2010 (graduated)

Dissertation: RELATIONSHIP BETWEEN WEIGHT AND BONE MINERAL DENSITY IN WOMEN OF WIDE AGE RANGE

Hyehyung Shin MS -- PhD, Spring 2011 (graduated)

Dissertation: PHYSICAL PERFORMANCE DURING 6- AND 12-MONTH WEIGHT LOSS IN POSTMENOPAUSAL WOMEN: RELATIONSHIP WITH BODY COMPOSITION AND BONE MINERAL DENSITY

Laurel Tomko-Wentz, MS, RD -- PhD, (Co-Chair) Spring 2011 (graduated)

Dissertation: STRESS FRACTURES IN FEMALE RUNNERS

Youjin Kim, MS -- PhD, Fall 2011 (graduated)

Dissertation: DAIRY-DERIVED BIOACTIVE A-LINOLENIC ACID, CONJUGATED LINOLEIC ACID, AND CALCIUM AS MODULATOR OF ST2 STROMAL, MC3T3- L1 ADIPOCYTE-LIKE, AND MC3T3-E1 OSTEOBLAST-LIKE CELL METABOLISM

Jennifer Lemacks – PhD, Spring 2012 (graduated)

Dissertation: “DIETARY CALCIUM-TO-PROTEIN RATIO AND VITAMIN D INFLUENCE ON CALCITROPIC HORMONES, ADIPOSITY, ADIPOKINES, AND LIPIDEMIA IN CAUCASIAN AND AFRICAN AMERICAN POSTMENOPAUSAL WOMEN UTILIZING SEM ANALYSIS”

Haiyan Maier – PhD, (Co-chair) Spring 2013 (graduated)

Dissertation: RELATIONSHIP OF DIETARY AND SERUM ADVANCED GLYCATION END-PRODUCTS (AGES) WITH INFLAMMATION, OXIDATIVE STRESS AND IMPAIRED WOUND HEALING IN DIABETES MELLITUS (DM)

Julia Inglis, MS – PhD, Spring 2017 (graduated)

Dissertation: IDENTIFYING OSTEOSARCOPENIC OBESITY IN A GROUP OF OLDER WOMEN

Pegah Jafarinasabian, MD – PhD, Spring 2017 (graduated)

Dissertation: ANALYZING BONE, MUSCLE AND ADIPOSE TISSUE BIOMARKERS TO IDENTIFY OSTEOSARCOPENIC OBESITY SYNDROME IN OLDER WOMEN

Ashley Carter, MS – PhD, Spring 2018 (graduated)

Dissertation: RELATIONSHIP AMONG DAIRY FOODS INTAKE, CARDIOVASCULAR DISEASE INDICATORS AND BONE HEALTH IN COMMUNITY DWELLING MID-LIFE AND OLDER AFRICAN AMERICANS

Doctoral Students, Committee Member/University representative:

Michelle Messina, MS -- PhD, Summer 2008 (graduated)

Dissertation: ESTRADIOL'S REGULATION OF ENERGY HOMEOSTASIS

Jennifer Stratford -- PhD, Fall 2009 (graduated)

Dissertation: GUSTATORY PROCESSING OF LINOLEIC ACID AND THE ROLE OF THE CHORDA TYMPANI NERVE

Zvonimir Šatalić – PhD, Summer 2009 (graduated). Laboratory for Nutrition Science, Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia.

Dissertation: VEGETARIAN DIET, B VITAMINS' NUTRITIONAL STATUS AND HOMOCYSTEINE AS RISK FACTORS FOR OSTEOPOROSIS

Yada Treesukosol -- PhD, Fall 2010 (graduated)

Dissertation: BEHAVIORAL ASSESSMENT OF THE ROLE OF T1R2 AND T1R3 IN TASTE FUNCTION

Satoko Mori-Inoue – PhD, Summer 2010 (graduated)

Dissertation: MUSIC THERAPY IN CURBING OVERWEIGHT/OBESITY IN CHILDREN

Yan Li – PhD, Fall 2010 (graduated)

Dissertation: THE EFFECT OF RISK FACTORS ON CORONARY HEART DISEASE: AN AGE-RELEVANT MULTIVARIATE META ANALYSIS

Delores Truesdell – PhD (graduated 2011) at the Department of Nutritional Sciences, University of Medicine & Dentistry, New Jersey)

Dissertation: VITAMIN D IN RELATION TO FRAMINGHAM RISK SCORE IN OVERWEIGHT/OBESE POSTMENOPAUSAL WOMEN

Emily Simonavice – PhD, Fall 2011 (graduated)

Dissertation: EFFECTS OF RESISTANCE EXERCISE AND DRIED PLUM CONSUMPTION ON BODY COMPOSITION, MUSCULAR STRENGTH AND PHYSICAL FUNCTION IN BREAST CANCER SURVIVORS

Yong Jeong Yi – PhD, Spring 2012 (graduated)

Dissertation: CONSUMER HEALTH INFORMATION SERVICES IN LIBRARIES

Patrick McGrady – PhD, Fall 2012 (graduated) Department of Sociology

Dissertation: SEXUALITY AND LARGER BODIES: GAY MEN'S EXPERIENCE OF AND RESISTANCE AGAINST WEIGHT AND SEXUAL ORIENTATION STIGMA

Linda Brown, MS, RD -- PhD, Fall 2012 (estimated graduation – switched to me as major professor, Spring 2013). Dropped Fall 2015

Dissertation: INTERNET-BASED DIABETES SELF MANAGEMENT EDUCATION

Kimberly Smith – PhD, Fall 2015 (graduated) Department of Psychology, Neuroscience Program (Alan Spector, mentor).

Dissertation: “PSYCHOPHYSICAL ASSESSMENT OF THE ROLE OF THE T1R PROTEINS IN THE TASTE TRANSDUCTION OF AMINO ACIDS AND MALTODEXTRINS”

Negin Navaei – PhD, Spring 2017 (graduated). Nutrition, Food and Exercise Sciences Department (Bahram Arjmandi, mentor)

Dissertation: “REGULAR CONSUMPTION OF PEARS MAY IMPROVE PARAMETERS ASSOCIATED WITH METABOLIC SYNDROME IN MEN AND WOMEN”

Jean Forney – PhD, Fall 2017 (graduated). Department of Psychology (Pamela Keel, mentor)

Neda Akhavan – PhD, Fall 2018 (graduated). Nutrition, Food and Exercise Sciences Department (Bahram Arjmandi, mentor)

Sarah Terill – PhD, Fall 2018 (graduated) Psychology (D. Williams mentor)

Tingting Hu – PhD, Spring 2019 (graduated). Department of Statistics (D. McGee mentor)

Anwasha Mukherjee – PhD, Spring 2019 (graduated). Department of Statistics (D. McGee mentor)

Master's Students:

Major Advisor/Mentor: Thesis Track **3** students; Non-Thesis Track **13** students

Committee member: Thesis Track **3** students; Non-Thesis Track **43** students

Undergraduate Students with Theses:

Honors-in-the-Major Theses: **n=14** as major advisor, **n=4** as committee member

SciencePrep (Strengthening Scientific Preparation of Undergraduate Students)

WIMSE (Women in Math, Science and Engineering)

UROP (Undergraduate Research Opportunity Program): **n=7** as major advisor

HONORS / AWARDS:

Academic / Research

- ❖ Fulbright Scholar Award, 2022/2023 Academic year
- ❖ Certificate of Recognition for *Mentoring Multicultural Students for the Health Professions Program*: Health Equity Research Institute (HERI) and Florida Alliance for Health Professions Diversity, 2018.
- ❖ Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS), Inducted September, 2017
- ❖ Hazel K. Stiebeling Professorship, Florida State University, Fall 2011 -
- ❖ Award for *Promoting International Cooperation in Endocrinology*, Croatian Medical Association and Croatian Endocrinology Society, 2011
- ❖ Semifinalist: *Life Science Award*, US Chamber of Commerce, 2010
- ❖ *Dean's Excellence in Research Awards*, School of Allied Health, University of Connecticut, 2002, 2005
- ❖ *Best Review Paper Award*, 2000/2001 American College of Nutrition for the manuscript: Nutrition in bone health revisited: A story beyond calcium. Ilich, J.Z., Kerstetter, E.J. *J Am College Nutr* 19:715-737, 2000
- ❖ *Outstanding Alumna*, 2000, University of Utah, Foods and Nutrition, Spring, 2000
- ❖ *The Abbott (Former Ross Company) Award for Contribution in Women's Health*: American Dietetic Association, October, 1999
- ❖ *Spotlight Dietitian*: The Digest, Nutrition Research Practice Group Publication of the American Dietetic Association, Spring 1998, Fall 2005
- ❖ *Contributing Author Award* for manuscript "Urinary Calcium, Sodium, and Bone Mass of Young Females." *Am J Clin Nutr*, 62:417-425, 1995. Research Dietetic Practice Group of the American Dietetic Association, 1996
- ❖ *Graduate Research Forum Participation Award*, The Ohio State University, 1993
- ❖ *Outstanding Graduate Student Awards*, University of Utah, 1991
- ❖ *Academic Achievement Award*, University of Utah, 1990
- ❖ *Outstanding Graduate Student Awards*, University of Utah, 1989

Service Awards

- ❖ *Research Dietitian Award*, The Ohio Dietetic Association, Ohio, 1997
- ❖ *Staff Recognition Award*, The Ohio State University Medical Center, 1996
- ❖ *Team-Work-Leadership Award*, The Ohio State University, 1994
- ❖ *Five Year Employee Award*, University of Utah Medical School, Pediatric Department, Division of Neonatology, 1988
- ❖ *Cook-Off Awards*, Annual Newborn I.C.U. Cook-Off, University of Utah Medical Center (Awards received for Appetizers, Healthy Heart, and Vegetarian Entrees) 1986, 1989, 1990

Honor Societies

- ❖ Fulbright, 2022 --
- ❖ Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS), 2017 -
- ❖ Alpha Eta Honor Society, University of Connecticut School of Allied Health Chapter, 1999, Treasurer 2000; President 2001 – 2005
- ❖ International Who's Who of Professional and Business Women, 2000 -
- ❖ Omicron Nu (Alpha Delta Chapter) 1988 –

Nominations

- ❖ Golden Goose Award, American Association for Advancement of Science, 2017
- ❖ Dannon Institute Mentorship Award, American Society for Nutrition, 2013, 2014, 2016
- ❖ Pfizer Consumer Healthcare Nutritional Science Award, American Society for Nutrition, 2014, 2015, 2016
- ❖ Distinguished Graduate Faculty Mentor Award, Florida State University, 2014, 2015, 2016
- ❖ David Kritchevsky Outstanding Nutrition Career Award, American Society for Nutrition, 2013
- ❖ Robert H. Herman Memorial Award, American Society for Nutrition, 2013
- ❖ US Chamber of Commerce, Christopher Columbus Foundation – Life Science Awards, 2013
- ❖ The Vanderbilt Prize in Biomedical Sciences, 2013
- ❖ E.V. McCollum Award, American Society for Nutrition, 2012
- ❖ Honors Thesis Mentor Award, Florida State University Honor's Program, 2008
- ❖ American Dietetic Association, Research Delegate, 2002
- ❖ American Dietetic Association, Excellence in Research Award, Spring 2001
- ❖ American Association of University Professors, Excellence in Teaching and Research Award, Spring, 2000
- ❖ University of Connecticut Alumni Association, Research Excellence Award, Fall 1999, and Fall 2000

PROFESSIONAL AFFILIATIONS (past and present)

- National Osteoporosis Foundation (NOF): Nutrition and Physical Activity Subcommittee member
- Academy of Nutrition and Dietetics (former American Dietetic Association)
- American Association for the Advancement of Science
- American Association of University Women, Connecticut Chapter
- American Chemical Society
- American Society for Bone and Mineral Research – Chair of the Nutrition and Bone Working Group, 2009, 2010
- American Society for Nutrition
- Association of Faculty and Professional Women, The Ohio State University
- Association of American University Professors
- Editorial Board: *Archives of Industrial Hygiene and Toxicology*; *Journal of Nutrition and Food Sciences*; *Vitamins and Minerals*

- Fellow of the American College of Nutrition
- National Osteoporosis Foundation -- Key Contact, Coalition for Osteoporosis Awareness, Education and Prevention
- Soroptimists International of the Americas, Northeastern Chapter, Organization for Advancement of Women's Life

PERSONAL INFORMATION

USA, Croatian, and Bosnian citizen; two adult daughters

Foreign languages: English (fluent), Bosnian/Croatian/Serbian (native with regional variations), German (limited understanding and reading)

Other interests: Outdoor activities, hiking, jogging, in-line skating, downhill/cross country skiing, gardening, travelling, classical music, East European and Turkish cuisine.