

CURRICULUM VITAE

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EDUCATION

- 1971-1974 A&M Consolidated High School, College Station, TX.
- 1974-1975 University of Maryland European Division, Berlin, Germany.
- 1975-1978 Texas A&M University, College Station, TX; Bachelor of Science cumlaude, Biochemistry.
- 1978-1980 University of Michigan, School of Public Health, Ann Arbor, MI; Master of Science, Environmental Health Sciences.
- 1980-1983 University of Michigan, School of Public Health, Department of Environmental Health Sciences, Ann Arbor, MI; Doctor of Philosophy, Toxicology.
- 1984 - 1986 National Center for Toxicological Research, USDA Food and Drug Administration, Jefferson, AR; Postdoctoral Fellowship, Chemical Carcinogenesis.

ADDITIONAL TRAINING

- October 1997 National Institutes of Standards Technology 1-day course on analysis of fat-soluble micronutrients, Bethesda, MD.
- July 1998 Summer Course on Behavioral Modification, EPID 720 (1 credit hour), University of Michigan, Ann Arbor, MI.
- October 1998 Teaching Workshop (three half days), "Active Learning," Wayne State University, Detroit, MI.
- May, 2002 Teaching Workshops, "Theory and Practice of Learning" (2 hours); "Classroom Lecture: the Art of Discourse" (2 hours), Wayne State University, Detroit, MI.
- March 2009 USDA Integrated Competitive Programs Grantsmanship Workshop (2 days), Las Vegas, NV.
- February 2015 Faculty Workshop, Essential Skills for Successful Leadership (1 day), University of Michigan, Ann Arbor, MI.
- April 2015 Faculty Workshop, Think Like an Actor to Present Like a Pro (1 day), University of Michigan, Ann Arbor, MI.
- May 8-11, 2017 Metabolomics Workshop, University of Michigan, Ann Arbor, MI.

ACADEMIC AND PROFESSIONAL APPOINTMENTS

- 1977 - 1978 Research Assistant, Chemistry Department, Texas A&M University, College Station, TX.
- 1979 - 1980 Laboratory Technician, Drug Analysis Laboratory, University Hospital, University of Michigan, Ann Arbor, MI.
- 1978 - 1981 Teaching Assistant, General Chemistry Labs and Discussion sections, Chemistry Department, University of Michigan, Ann Arbor, MI.

- 1981 - 1983 Graduate Research Assistant, College of Pharmacy, University of Michigan, Ann Arbor, MI.
- 1986 - 1989 Assistant Professor, Department of Obstetrics and Gynecology, Wayne State University, Detroit, MI.
- 1989 - 1996 Assistant Professor, Department of Internal Medicine, Wayne State Univ., Detroit, MI.
- 1989 - 1996 Assistant Professor, Joint Appointment, Department of Pharmacology, Wayne State University, Detroit, MI.
- 1993 - 2004 Member, Cancer Prevention Program, Barbara Karmanos Cancer Institute, Detroit, MI.
- 1996 - 2004 Associate Graduate Faculty, Nutrition Dept., Wayne State University, Detroit, MI.
- 1997 - 1999 Associate Research Professor, Department of Internal Medicine, Wayne State University, Detroit, MI.
- 1999 - 2002 Nutrition Core Leader, Barbara Ann Karmanos Cancer Institute, Wayne State.
- 2000 - 2004 Associate Professor, Department of Internal Medicine, Wayne State University.
- 2004-present Research Professor, Department of Family Medicine, University of Michigan, Ann Arbor
- 2004-present Member, Rogel Comprehensive Cancer Center, University of Michigan
- 2008-present Joint Appointment, Department of Nutritional Sciences, School of Public Health, University of Michigan, Ann Arbor

SCIENTIFIC ACTIVITIES

Professional Consultation and Grant Peer Review:

- NIH, NCI, Special Emphasis Panel, grant reviewer for RFA, "Cancer Prevention Research Units," March 26-28, 1996.
- NIH, NCI, grant reviewer for RFA, "Effects of plant-derived constituents on cancer prevention," July 23-25, 1996.
- NIH, NCI, reviewer for PO1, "Chemoprevention of Cancer by Organoselenium," Feb. 3, 1997.
- California Breast Cancer Research Program, grants on Etiology and Prevention, March 1998.
- California Breast Cancer Research Program, grants on Etiology and Prevention, March 2000.
- NIH, NCI, review and site visit for PO1, "Comparative mechanisms of cancer chemoprevention," September 27-29, 2000 and again by teleconference June 18, 2001 and at NIH June 21, 2002.
- NIH, NIEHS, Special Emphasis Panel, grant reviewer for RFA, "Oxidative stress and environmental risks," July 16-18, 2001.
- PPP Foundation, London, U.K., reviewer for the Research Training Fellowships, April 2002.
- Consultant, DOD grant, F. Sarkar, PI, "Molecular targets of I3C and DIM in prostate cancer," February 1, 2003-January 31, 2006.
- Arizona Disease Control Research Commission, National Peer Review Panel member, March 2003 and June 2009.

Advisor, DOD Center of Excellence, P. Shields, PI (Georgetown University), "Alcohol and breast cancer risk," April 1, 2003-March 30, 2004.

California Breast Cancer Research Program, grants on etiology and prevention, April 2003.

NIH, NCI, grant reviewer for RFA, "Long term cancer survivors: Research initiatives," October 8-10, 2003.

NIH, NCI, reviewer for Chemo- and Dietary Prevention (CDP) Study Section, Feb 18-19, 2004, June 22-23, 2004, February 16-18, 2005, June 15-17, 2005, October 16-17, 2006, June 15-17, 2007.

NIH, NIDDK, reviewer for Clinical Nutrition Research Units, March 9-11, 2005.

NIH, NCI, Special Emphasis Panel member, Minority institution/cancer center partnerships, June 13-15, 2005 and June 27-29, 2006.

NIH, NIDDK, reviewer for Clinical Nutrition Research Units, October 24-25, 2005.

NIH Working Group Member, "Considerations in design of a physical activity/weight control trial for breast cancer," National Cancer Institute, March, 2006.

NIH, Chemo- and Dietary Prevention (CDP) study section, appointed member, October 2007-June 2011.

NIH, NCI, Special Emphasis Panel, RFP N01CN05014-69 for "Cancer Prevention Agent Development Program: Early Phase Clinical Trials, Nov. 16-17, 2011.

NIH, Special Emphasis Panel member, Cancer Therapeutics AREA Grant Applications, Feb. 22, 2012.

Consultant, Future Horizon of Nutrition, pan-European project, Paolo Manzelli, PI, University of Florence and Polo Scientifico Universita' di Firenze, Italy, Oct.-Nov. 2012.

NIH, Special Emphasis Panel member, NCI Small Grants Program for Cancer Research, July 29-30, 2014.

NIH, Chemo- and dietary prevention (CDP) study section, ad hoc, February 12-13, 2015.

NIH, Special Emphasis Panel/Scientific Review Group 2015/05 ZCA1 RPRB-M (M2) S meeting (R21/RO3), April 10, 2015.

NIH, Special Emphasis Panel/Scientific Review Group, ZRG1 EMNR-V 55 (Molecular Profiles and Biomarkers of Food and Nutrient Intake), November 10, 2015.

Florida Department of Health, Review panel member, Bankhead-Coley Cancer Research Program Proposal Review, 2015-2016.

NIH, NCI, Special Emphasis Panel member, PAR-13-375: Nutrigenetics and Nutrigenomics Approaches for Nutrition Research, July 12, 2016 and November 17, 2016.

NIH, NCI, Special Emphasis Panel member, NCI Small Grants Program for Cancer Research (NCI Omnibus R03) and NCI Clinical and Translational Exploratory/Developmental Studies (R21) June 5, 2017.

The Netherlands Organization for Health Research and Development, TOP-Grants research proposal review, Sept. 15, 2017.

Arizona Biomedical Research Commission, Arizona Department of Health Services, national mail reviewer, 2014, 2016, 2017, and 2018.

NIH, NCI, Special Emphasis Panel member, Program Project (PO1) Review, March 2, 2018.

Michigan Mixed Methods Research and Scholarship Program, affiliate member for methodologic consultation, Jan. 6, 2015-present.

NIH, NCI, Special Emphasis Panel member, PREVENT Cancer Program, appointed member, May 2013-present.

Clinical protocols:

1. Clinical Protocols as Principal Investigator: 1314 subjects total

- Role of Oxygen Free Radicals in Resistance of Ovarian Tumors to Chemotherapy, July 1987- July 1989, 98 subjects.
- Oxidative DNA Damage and Response to Chemotherapy, September 1991-December 1997, 63 subjects.
- Oxidative DNA Damage and Cancer Risk, September 1989-December 1993, 65 subjects.
- Clinical Modulation of Oxidative DNA Damage by Diet, July 1994-December 1996, 117 subjects.
- Dietary Intervention in Women at High Risk for Breast Cancer, February 1997-December 2001, 123 subjects.
- Soy Isoflavone Pilot Study, July 1998-October 1998, 12 subjects.
- Girl Scout Nutrition Program, January 1999-September 1999, 44 dyads.
- Weight Loss After Breast Cancer Study, October 1999-October 2002, 48 subjects.
- Edmonson Elementary School Nutrition Program, January 2000-June 2000, 126 subjects.
- Lifestyle Improvement with Diet and Exercise, June 2002-December 2002, 12 subjects.
- Women's Healthy Lifestyle Study, February 2004-February 2008, 27 subjects.
- Mediterranean Diet Study, February 2004-December 2005, 69 subjects.
- Spirituality Counseling for Weight Loss Maintenance, May 2004-May 2006, 31 subjects.
- Nuclear Morphology of Cells from Breast Ductal Lavage, July 2004-June 2006, 57 subjects.
- Peer Counseling for Weight Maintenance in Obese African American breast cancer survivors, January 2005-January 2007, 37 subjects.
- Implementation Intentions for Improving Fruit and Vegetable Intakes, September 2006-September 2007, 97 subjects.
- Women's Healthy Lifestyle Study, January, 2008-Dec. 2009, 40 subjects.
- Healthy Eating for Colon Cancer Prevention, July 2007- June 2012, 120 subjects.
- My Health Coach Study, August 1, 2014 – July 30, 2016, 84 subjects.

2. Clinical Protocols as a Collaborator:

- An Evaluation of Oxidative DNA Damage and Breast Cancer Risk, M. Simon, PI, January 1994-August 1996, 88 subjects.
- Covalent DNA Adduct Formation by Tamoxifen, C. Kellogg, PI, 1994, 2 subjects.
- Evaluation of p65 and other tumor-associated biomarkers in the diagnosis and management of breast cancer, M.A. Kosir, PI, September 1994-February 1996, 252 subjects.
- Zinc supplementation in head and neck cancer, A. Prasad/O. Kucuk PI, September 1998-February 2002, 61 subjects.
- Lycopene supplementation in prostate cancer, O. Kucuk, PI, January 1999-2001, 35 subjects.
- Isoflavone supplementation in prostate cancer, M. Hussain, PI, January 1999-June 2000, 40 subjects.
- Isoflavone supplementation in breast cancer, O. Kucuk, PI, September 1999-September 2002, 60 subjects.

Exercise intervention for reducing fatigue in breast cancer patients, J. Drouin, PI, December, 2001-April 2002, 30 subjects.
Ginger for colon cancer prevention, S. Zick, PI, 50 subjects 2007-2008.
Fish Oils for prevention of depression during pregnancy, Ellen Mozurkewich, PI, June 2008-Nov. 2011, 126 subjects; PI of the study for data analysis at University of Michigan.
The Fish Oil Study, D.K. Turgeon, PI, May 20, 2013 – October 2015, 57 subjects.
The Fatigue Reduction Diet for Breast Cancer Survivors, S. Zick, PI, August 7, 2013- May 2015, 30 subjects.
Benefits of MPACT (Maintaining Physical Activity during Cancer Treatment) in Locally Advanced Head and Neck Cancer Patients Undergoing Chemoradiotherapy, S. Jolly, PI, March, 2016 – March 2018.

3. Investigational New Drug (IND) Approval:

Impact of curcumin on stem cell biomarkers in BRCA1 carriers: A phase IIA double-blind study”, IND 126476 for human use of BCM95 (curcumin) granted 5-29-2015, S. Merajver, sponsor. I wrote the clinical protocol and prepared the IND paperwork for use of BCM95 in breast cancer patients.

RESEARCH INTERESTS

The goal of my research program is to develop dietary approaches for reducing cancer risk. This work has included both clinical trials and animal studies. We have developed methodology for eliciting dietary changes that target key mechanisms in carcinogenic processes. Current studies are investigating the interplay of obesity and background diet in modulating the efficacy of preventive agents using biomarker endpoints. Finally, I am interested in applying the methodology developed to elicit dietary changes in research settings to community and clinical settings.

GRANT SUPPORT

External Support:

Developmental Grant in Cancer Research, Principal Investigator, "Metabolic Activation of Nitroimidazoles," Meyer L. Prentis Comprehensive Cancer Center of Metropolitan Detroit; 3/30/87 to 3/29/88, \$9,835.

NIH, CA45962, Co-Investigator, "Drug Discovery - Anticancer Agents for Colorectal Cancer," T.H. Corbett, PI; 8/1/87 to 7/31/90.

NIH, RO1 CA42186, Co-Investigator, "Interaction of Amino thiols and Alkylating Agents," F. Valeriote, PI; 8/1/86 to 7/30/91.

NIH, 1PO1 CA46560, Co-Investigator, "Developmental Therapeutics of New Solid Tumor Anticancer Agents," L. Baker, PI; 5/1/89 to 4/30/94.

NIH, 1UO1 CA53001, Co-Investigator, "Discovery of New Anticancer Agents from Natural Products," F. Valeriote, PI; 9/30/90 to 9/29/96.

American Institute for Cancer Research, 91B53, Principal Investigator, "Oxidative DNA Damage and Breast Cancer Risk," 1/01/92 to 1/01/94; \$110,000.

American Institute for Cancer Research, NC93B61, Principal Investigator, "Modulation of Oxidative DNA Damage by Dietary Fat and Calories," 1/1/94 to 9/31/96; \$66,000.

American Cancer Society Institutional Grants, Co-Principal Investigator, "An Evaluation of Oxidative DNA Damage and the Risk of Breast Cancer: A Pilot Study," 3/15/94 to 9/15/94; \$12,500.

NIH, 1RO1 CA60812, Principal Investigator, "Clinical Modulation of Oxidative DNA Damage by Diet," 3/1/94 to 12/31/96; \$493,918.

NIH, 1P20 CA66383, Co-Principal Investigator on pilot project, "An evaluation of oxidative DNA damage and the risk of breast cancer: A pilot study," 10/1/94 to 5/30/96; \$28,000.

NIH - UO1 CA62487; Co-Investigator, "Phase I Trials of New Anti-Cancer Agents"; M. Valdivieso, PI, 2/01/94 to 1/31/98.

NIH, 2PO1 CA46560; Co-Investigator; "Developmental Therapeutics of New Solid Tumor Anticancer Agents," F. Valeriote, PI; 12/01/95 to 1998.

International Tea Trade Association, Co-Investigator; "The Effect of black tea consumption on biomarkers of oxidative stress and cancer risk, particularly colorectal cancer, in healthy older adults"; J. Blumberg, PI, Tufts University, 5/96 to 12/97; \$4,784.

NIH, 1UO1 CA53001, Co-Investigator; "Discovery of New Anticancer Agents from Natural Products," F. Valeriote, PI; 8/1/96 to 1998.

NIH, 1UO1 CA72297, Principal Investigator, "Dietary Intervention in Women at High Risk for Breast Cancer"; 1/1/97 to 12/31/02; \$1,925,966.

Cancer Prevention and Control Program, Michigan State Initiative Principal Investigator, Girl Scout Nutrition Program, 10/1/98 to 9/30/99; \$85,000.

Department of Defense, Co-Investigator, "Modulation of Growth and Differentiation of Breast Cancer by Soy Isoflavones," O. Kucuk, PI, 10/1/99 to 9/30/02.

NIH, 1NO1 CN85083-57, Co-Investigator, "Phase II Clinical Studies of Chemopreventive Agents," O. Kucuk, PI, 1/1/99 to 12/31/02.

American Institute for Cancer Research, Co-Investigator, "Mechanism of weight-cycling induced oxidative DNA damage in rat mammary gland," K.-L. C. Jen, PI, 1/1/99 to 6/31/01.

NIH - NCRR Shared Instrumentation Grants, S10 RR13792, Principal Investigator, "Liquid Chromatography-Tandem Mass Spectrometry," 4/4/99 to 3/31/00; \$182,618.

NIH, 2P30 CA22453, Principal Investigator of Nutrition Core, "Cancer Center Support Grant," J. Ruckdeschel, PI, 5/99 to 7/1/03.

Cancer Prevention and Control Program, Michigan State Initiative, Principal Investigator, Edmonson Elementary School Nutrition Project, 10/1/99 to 9/30/00; \$53,645.

NIH, RO3 CA89761, Principal Investigator, Cancer Prevention Research Small Grant Program, “Weight Loss in Obese Breast Cancer Survivors,” 2/15/01 to 7/31/03; \$149,000.

NIH (1P50 ES012395), Principal Investigator of a project in a Center for Health Disparities, Center for Urban African American Health, John Flack, Center Grant PI, “Weight Loss in Breast Cancer Survivors,” 9/18/03 to 1/15/07.

NIH (1P50 ES012395), Co-investigator of a project in a Center for Health Disparities, Center for Urban African American Health, John Flack, Center Grant and project PI, “Effects of sodium sensitivity and weight loss on hypertension,” 9/18/03 to 1/15/07.

American Institute of Cancer Research (0313043-rev), Principal Investigator, “Design and Feasibility of a Mediterranean Diet,” 01/30/04 to 06/30/06; \$165,000.

NIH (CAM) 1R21CA100720-01 A1, Principal Investigator, “A Culturally-Tailored Weight Loss Program,” 4/1/04 to 3/30/07 \$407,700.

NIH (NCI) 1R21CA100575-01 A1, Principal Investigator, “Morphometry of Breast Cells in Ductal Lavage,” 5/1/04 to 4/30/07; \$339,750.

Susan G. Komen Foundation, Co-investigator 10%, R. Young, PI, “Reducing Risk of Breast Cancer Recurrence in African American Women,” 5/1/06 to 4/30/08.

NIH, American Recovery and Reinvestment Act (ARRA), Principal Investigator, Supplement to “A Mediterranean Diet in Colon Cancer Prevention”, summer student research experiences, 05/01/2009-7/31/2010; 3RO1CA120381-03S1, \$38,112 total costs.

NIH, 3-R21-AT-004166-03-S1, Co-Investigator, “Single Laboratory Validation of Fatty Acid Assays in Human Blood”, Ellen Mozurkewich, PI, 10/01/11 to 05/30/12.

NIH, R21 AT004166, Co-Investigator, “Does EPA-rich fish oil prevent depressive symptoms in pregnancy and postpartum?” Ellen Mozurkewich, PI, 06/01/08 to 05/30/11, no cost extension to 5/31/12; (10% effort).

NIH, RO1 CA120381, Principal Investigator, “A Mediterranean Diet in Colon Cancer Prevention,” 1/1/07 to 12/31/11, no cost extension to 12/31/13; \$340,754 direct costs in year 1 (35% effort).

NIH GI SPORE Pilot Award, Quantitation of Fatty Acids from Mucinophilic Bacteria in Human Serum, Zora Djuric PI (5% effort). \$50,000, 1/1/2013- 8/31/2014.

NIH R21 AT006636-01A1, Co- Investigator, “Docosaheanoic Acid and Neonatal Neuroprotection”, 7/1/2011-6/30/2014; (10% effort, PI: John Barks, MD).

NIH, NCI, 3U01CA086400-13, Co-investigator, “Great Lakes/New England Clinical Validation Center”, Dean Brenner, PI, 1/1/13 – 6/30/15; (10% effort).

NIH, 3U01CA086400-13S1, Co-investigator, “Validation of Colon Biomarkers for the Early Detection of Colorectal Adenocarcinoma, GLNE010”, Dean Brenner, PI, 1/1/13 – 6/30/15; (7.5% effort).

NIH, 1R21HD073692-01A1, co-investigator, “Maternal Diet and Susceptibility to Neonatal Brain Injury”, John Barks, PI, 7/1/2013-6/30/2015 (10% effort).

NIH Research Supplements to Promote Diversity in Health-Related Research P50 CA130810 S1. This supplement pays for a graduate student (effort and tuition) who works with Dr. Djuric on Project #1 within the GI Spore, Dean Brenner, Spore PI. 9/1/2013- 8/31/2015.

NIH GI SPORE P50 CA130810, Co-Investigator, “Translational Research in GI Cancer”, William Smith and Dean Brenner, Co-PIs for Project 1, “Omega-3 Fatty Acids and Colon Cancer,” 10/1/10 to 8/31/16. Bridge Funding as co-PI of Project 1 to Dec. 30, 2017.

NIH, RO1 HL127215-01A1, Laurie Buis, PI; Z. Djuric Co-investigator, “MI-BP: mHealth to Improve Blood Pressure Control in Hypertensive African Americans”, 6/1/2016 to 5/31/2020.

NIH, 1 R01 CA215574, Co-investigator, “Identification of Microbiome Based Markers to Improve Colorectal Cancer Detection”, M. Ruffin and P. Schloss co-PIs, 1/15/2018 to 12/31/2020.

Fulbright Global Scholar Program, Principal Investigator, “New Avenues for Improving Cancer Outcomes”, May 1, 2018- Dec. 14, 2018.

Pending Support:

NIH, 1R01CA212237-01, Principal Investigator, “Optimizing Colon Cancer Prevention in Obesity”, Co-investigators M.N. Aslam, A. Sen, D. Kim Turgeon and J. Colacino. Submitted March 15, 2018.

Internal Grant Support:

Small Research Award, Wayne State University, 11/1987, \$500.

Research Equipment Award, Wayne State University, 2/1987, \$12,050.

Research Award Program, "Reductive Metabolism by Normal and Tumorous Human Tissues," Wayne State University, 4/1/1987 to 3/3/1988, \$3,000.

Research Stimulation Fund Grant, Wayne State University, 9/23/1987 to 9/23/1988, \$11,000.

Research Stimulation Fund Grant, "Involvement of Oxygen Free Radicals in Resistance to Anticancer Drugs," Wayne State University, 3/1988 to 8/1988, \$5,000.

Travel Grant, Wayne State University, 11/1988, \$745.

Small Research Grant, "Oxidative DNA Damage and Cancer Risk," 9/1989, \$600.

Research Equipment Fund Grant, Wayne State University, 2/1990, \$9,980.

Detroit Medical Center IOAD Research Grant; "Oxidative DNA Damage as a Marker of Cancer Risk," 10/1994, \$10,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Ultrasensitive DNA damage detection by laser-based mass spectroscopy," L.J. Romano, PI, 10/1996 to 4/1998.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "In vitro and in vivo modulation of prostate cancer cell growth and differentiation by lycopene," O. Kucuk, PI, 3/1997 to 7/1999.

Race for the Cure, Karmanos Cancer Institute, Principal Investigator, "Electrochemical HPLC detector for dietary intervention studies," 10/1998, \$22,301.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Manganese superoxide dismutase genotype and breast cancer risk," S. Land, PI, 7/1/99 to 6/30/00, \$20,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Tobacco-induced oxidative stress and serum antioxidant micronutrients," L. Schuh, PI, 7/1/99 to 6/30/00, \$20,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Molecular mechanisms of action of genistein in breast and prostate cancer cells," F. Sarkar, PI, 7/1/99 to 6/30/00, \$10,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Effect of zinc supplementation on biomarkers of oxidative stress in patients with head and neck cancer," O. Kucuk, PI, 7/1/99 to 6/30/00, \$12,800.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Molecular mechanisms of action of genistein in breast and prostate cancer cells," F. Sarkar, PI, 7/1/99 to 6/30/00, \$10,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-principal Investigator, "Weight loss in obese breast cancer patients," W. Hryniuk, PI, 7/1/1999 to 6/30/00, \$20,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Co-Investigator, "Intervention trial to enhance nipple aspirate fluid yield," C. Covington, PI, 7/1/99 to 6/30/00, \$20,000.

Virtual Discovery Grant, Karmanos Cancer Institute, Principal Investigator, "Mitochondrial DNA deletions in nutritional interventions," 7/1/1999 to 6/30/00, \$20,000.

Ida M. Faigle Charitable Foundation, Principal Investigator, "Dietary cancer prevention research," awarded January 2001, \$7,000.

Department of Internal Medicine Seed Money Grants, Program Project Application, Co-principal Investigator, "Mechanisms of tamoxifen resistance in obesity and diabetes," \$30,000, 1/1/02 to 12/31/02.

University of Michigan Translational Research Program, Co-Investigator, “Impact of Smoking on Lycopene Oxidation in Head and Neck Cancer Patients,” Sonia Duffy, PI, 09/01/05 to 08/31/06.

University of Michigan Clinical Research Initiatives, School of Medicine, Principal Investigator, “Implementation Intentions for Increasing fruit and vegetable intakes,” 7/1/06 to 8/30/07, \$75,000.

University of Michigan - MICHR Pilot Program, Co-Investigator, 10% effort, “Omega-3 Fatty Acids and Colon Cancer,” Wm. Smith, PI, 10/1/07 to 9/30/08.

University of Michigan Cancer Research Committee, Principal Investigator, “Motivational Interviewing for Weight Loss Maintenance,” 12/07 to 12/08, \$28,800.

University of Michigan Metabolomics and Obesity Center, School of Medicine, Principal Investigator, “Motivational Interviewing for Weight Loss Maintenance in Breast Cancer Patients,” 10/15/07 to 10/14/09, \$50,000.

University of Michigan Medical School, Committee for Student Biomedical Research, Summer Biomedical Research Program, 6/1/10 to 8/31/10, funded a medical student for 10 weeks in the laboratory to establish colonic proliferation assays using image analysis.

Rackham Spring/Summer Research Grant Program, Principal Investigator, 6/1/2010 to 8/31/2010. This grant funded a PhD student in Nutrition for a summer research internship to perform quality control analysis of nutrition data entry.

University of Michigan Institute for Clinical and Health Research, Collaborative Grants, “Polymorphisms in Fatty Acid Metabolizing Enzymes and Colonic Eicosanoids” (Zora Djuric, PI; Stephen Gruber, MD co-Inv.), 4/1/10 to 10/1/11, \$10,120.

Rackham Spring/Summer Research Grant Program, Principal Investigator, 6/1/2014 to 8/31/2014. This grant funded a PhD student in Nutrition for a summer research internship to work on her PhD thesis.

University of Michigan Microbiome Explorer Program Grant, University of Michigan Medical School Host Microbiome Initiative, June - Nov. 2015. This program allowed for analysis of colon biopsy samples for bacterial communities.

University of Michigan MRC² Pilot/Feasibility Small Grant, “Effects of fish oils and obesity on colon lipidomic profiles”, January 2016, \$5000.

University of Michigan Cancer Epidemiology Program, “A Comprehensive support program to improve outcomes in head and neck cancer”, April 2017 – March 2018, \$9,246.

HONORS AND AWARDS

Robert Welch Undergraduate Scholarship, Research in Inorganic Chemistry, Texas A&M University, July 1977 – April 1978.
Robert Welch Graduate Scholarship, Texas A&M University, Summer 1978.
University Fellowships, University of Michigan, Winter semesters 1980 and 1981 and Spring semester 1981.
Rackham Dissertation/Thesis Grant, University of Michigan, 1983.
International Cancer Research Technology Transfer Project Award, International Union Against Cancer, June 1985.
Heroes of Breast Cancer Annual Award for Scientific Distinction, Karmanos Cancer Institute, October 1998.
President's Award for Community Research, Karmanos Cancer Institute, January 1999.
President's Exceptional Service Award, Wayne State University, April 2000.
Research Excellence Award, Wayne State University School of Medicine, November 2004.
Best Research Poster Award, Michigan Family Medicine Research Day, May 22, 2008.
Session Chair, The Obesity Society Annual Meeting, San Antonio, TX, "Weight Loss and Cancer: Helpful or Harmful", September 22, 2012.
Session Chair, Experimental Biology 2014, Annual Meeting, San Diego, CA, "Diet and Cancer: Clinical and Human Studies", April 26-30, 2014.
Michigan Road Scholar, University of Michigan May 5-9, 2014.

MEMBERSHIPS AND PROFESSIONAL OFFICES

Memberships:

National/International

American Association for Cancer Research
The Obesity Society (Fellow)
American Society for Nutritional Sciences
International Carotenoid Society

University of Michigan

Program in Biomedical Sciences, Graduate Faculty (PIBS - Cancer Biology), Fall 2010 -present
Michigan Metabolomics and Obesity Center, Fall 2007-present
Michigan Diabetes Research and Training Center, Fall 2009-present

National Offices:

Molecular Epidemiology Steering Committee of the American Association for Cancer Research, member 2000-May 2003; Communications Committee chair, February 2001-March 2002; List-serve editor, May 2002-May 2004.

Editorial Board, Nutrition and Cancer, 2009-2012.

Editorial Board, Cancer Epidemiology, Biomarkers and Prevention. January 2007- 2013.

Chair, Obesity and Cancer Interest Section, The Obesity Society (TOS), October 2011- October 2012.

Editorial Advisory Board, Bioactive Lipids in Cancer, Dec. 2011- Dec. 2013.

Chair-elect 2013, Chair 2014-2015 and past Chair 2015-2016, Diet and Cancer Research Interest Section, American Society for Nutritional Sciences (ASN).

Nutritional Sciences Council 2015-2017, Elected Member, Governing Committee, American Society for Nutritional Sciences (ASN).

Scientific Review Committee, The Obesity Society, 2017-2019, Appointed Member.

CURRENT JOURNAL PEER-REVIEW SERVICE

Cancer Epidemiology, Biomarkers and Prevention

Cancer Prevention Research

British Journal of Nutrition

Journal of the American College of Nutrition

Journal of Nutrition

Journal of Nutritional Biochemistry

Nutrition

Nutrition and Cancer

Obesity

TEACHING ACTIVITIES

Graduate course teaching:

Radiobiology (RAD706) lectures on DNA repair annually 1990-1993.

Nursing (NUR820) lecture on intermediate markers for cancer prevention research, Summer 1996, Fall 1999.

Cancer Biology (CB725) lecture on oxidative stress and cancer risk annually 1996 -2004.

Cancer Biology (CB770) participation in journal club annually 1996 -2004.

Chemical Toxicology (MTX751) 2 lectures on nutrition and toxicity, Winter 1997.

Cancer Biology (CB723) lecture on breast cancer prevention, bi-annually 1997-2004.

Cancer Biology (CB7210), course co-director, Winter semesters 1999 -2004.

Occupational and Environmental Health (OEHS 6335), lecture on LC-MS-MS techniques in toxicology, Winter semesters 2003 and 2004.

Eicosanoid Journal Club, member since 2008 with 2 presentations annually.

Cancer Biology Journal Club faculty member since 2010.

Environmental Health Sciences (EHS688), lecture on diet and environmental causes of cancer, November 11, 2009.

Epidemiology (EPID632), lecture on diet and cancer risk biomarkers, Jan 25, 2010 and Jan 24, 2011.

Cancer Biology (CancBio554), lecture on use of biomarkers in cancer prevention, winters 2012 and 2013.

Environmental Health Sciences (EHS630, 3 credits), Principles of Nutrition Science, Instructor for the course, Fall2012, Fall 2013.

Environmental Health Sciences (EHS796, 2 credits), Approaches in Nutrition Counseling, Instructor for the course, Winter semesters 2013 and 2014.

Program in Interdisciplinary Biological Sciences (PIBS 503), lecture lead for sessions on ethics in human subjects research, Fall 2015 (3 sessions), Fall 2016 (4 sessions), Fall 2017 (2 sessions).

Undergraduate course teaching:

University Studies 152 (UC152, 3 science credits), First Years Seminar, Nutrition and Cancer: A global perspective, Winter 2015.

Undergraduate Research Directed:

LaKesha Powell, high school science fair, “Antioxidants in lycopene-containing foods,” January-February 1998; Karmanos Minority Apprenticeship, June-August 1998.

Randi Doliveck, undergraduate student, Karmanos Summer Fellowship Program, The Girl Scout Nutrition Program, Summer 1999.

Martin Atkins, undergraduate Nutrition student, laboratory assistant, Effects of dietary changes on cholesterol levels, September 1999-December 2001.

Matthew Hornik, undergraduate student, Karmanos Summer Fellowship Program, DNA damage modification by diet in breast cancer patients, Summer 2002.

Latoya Johnson, high school student, Karmanos Minority High School Program, Effect of Fruit and Vegetable intervention on carbohydrate intakes, Summer 2002.

Sana Javed, Undergraduate Research Opportunity Program, Fatty Acid Analysis in Breast Cancer, Winter 2005.

Katie Miller, Undergraduate Research Opportunity Program, Fatty Acid Analysis in Breast Cancer, Fall 2005-Spring 2006.

Adrienne Wagner, Undergraduate Research Opportunity Program, Fatty Acid Analysis in Breast Cancer, Fall 2006.

Kristen Mar and Heather Sirko, Undergraduate Research Opportunity Program, Fatty Acid Analysis in Breast Cancer, Fall 2006-Spring 2007.

Matthew Koletsky and Anne Weldon, Undergraduate Research Opportunity Program, Dietary Modulation of markers of Oxidative Stress, Fall 2007-Spring 2008.

Aylin Dowley and Amy Plaut, Undergraduate Research Opportunity Program (UROP), Dietary intervention research, Fall 2007-Spring 2008.

HyuSun Han, Neeca Servati, and Carly Goldberg, Undergraduate Research Opportunity Program, Fall 2008-Spring 2009.

Zachary Wells, Michigan Science, Technology, Engineering & Mathematics (M-STEM) Academy, summer 2009.

Megan Rook, Gary Schneider and Shony Reuven, Undergraduate Research Opportunity Program, Fall 2009-Winter 2010.

Tiffany Yang, Nutrition graduate student rotation, Quality control of dietary data in an intervention trial, winter 2010.

Yunyun Jiang, Nutrition graduate student rotation, winter 2010.

Alex Chan, Alex Morse, Patrick Brown, Ashley Beineik, Undergraduate Summer Research Students, Morphology of Colon Biopsies, summer 2010.

Alisha Gaulden, Cancer Biology Undergraduate Summer Program, June –Aug 2010.

Shony Reuven, Molecular and Cellular Developmental Biology (MCDB 300) Undergraduate Research for credit, Effects of eicosanoids on colon cells in vitro, Fall 2010.

Perry Ahn and Ian Waters, Undergraduate Research Opportunity Program, Proliferation in Colonic Biopsies, Fall 2010-Winter 2011.

Leah Askew and Tom Ferreri, Undergraduate Research Opportunity Program, Recruitment of high risk individuals to a dietary trial and dietary adherence, Winter 2011.

Ian Waters, Undergraduate Research Opportunity Program: Summer Biomedical and Life Sciences Fellowship Program, summer 2011.

Elena Perkins, Cancer Biology Undergraduate Summer Program, June –Aug 2011.

Thomas Ferreri, Chemistry 398, Independent Research in Biochemistry, Method validation for fatty acid analysis, Fall 2011 – Winter 2012.

Leah Askew, Gretchen Bentz, Alexandra McCoy, Ian Waters and Arsh Patel, Undergraduate Research Opportunity Program, Dietary changes in an intervention trial, Fall-2011-Winter 2012.

Emma Hickman (Amherst College), Cancer Biology Undergraduate Summer Program, Analysis of quercetin by HPLC, June –Aug 2012.

Phillip Wachowiak, and Christie Mueller (effects of diet on gene expression), and Nozomi Gonzales (curcumin pharmacokinetics), Undergraduate Research Opportunity Program, Fall-2012 -Winter 2013.

Jessica Duggan, Expression of RELM- β in colon tissue, Undergraduate Research Opportunity Program, Winter - Summer 2013.

Ethan Harris (Wheaton College), Summer Undergraduate Research Opportunities Program, Gene expression in a dietary clinical trial, June –Aug 2013.

Arsh Patel, Biology 200 (effects of fish oils on colonic proliferation), Fall-2012 –Winter 2015, summer 2014.

Christie Mueller, Cancer Biology Undergraduate Cancer Biology Summer Program, Analysis of quercetin by HPLC, June – Aug 2013, and Chemistry 399, Undergraduate Research, Fall 2013.

Andrew Armendaris, Rebecca Duvall, Megan Klatt, Phillip Wachowiak, Arsh Patel, and Devon Ramaswamy, Undergraduate Research Opportunity Program, Fall 2013 – Winter 2014.

Leah Caplan, Cancer Biology Undergraduate Cancer Biology Summer Program, Analysis of serum bacterial fatty acids as a pro-inflammatory stimulus modifiable by diet, summer 2014.

Tin Nigam (MSU Medical School), Medical Student Research Program (MSRP) in Diabetes, Effects of a Mediterranean diet on expression of toll-like receptors in the colon, summer 2014.

Meredith Meyer, Undergraduate Research Opportunity Program, Quantitative immunohistochemistry of vulvodynia, Fall 2014 – Winter 2015.

Devon Ramaswamy, Undergraduate Research Opportunity Program, Quantitative immunohistochemistry of fish oil effects on colon, Fall 2014 – Winter 2015 and Chemistry 399 Winter term 2016.

Riley Engstrom, Community College summer program, Undergraduate Research Opportunity Program, Effects of dietary change on colon mucin production, summer 2015.

Rena Chan, Cancer Biology Undergraduate Cancer Biology Summer Program, Analysis of fish oil effects on gene expression in rat colon during tumorigenesis, summer 2015.

Jeffrey Mann, Undergraduate Research Opportunity Program, Health Coaching in Primary Care, Fall 2014 – Spring 2016.

Luis Gago, Undergraduate Research Opportunity Program, Quantitative immunohistochemistry of colon goblet cells, Fall 2015 – Spring 2016.

Gillian Graifman, Undergraduate Research Opportunity Program, Nutritional predictors of response to fish oils, Fall 2015 –Spring 2016.

Jessyca Judge, Undergraduate Research Opportunity Program, Health Coaching in Primary Care, Fall 2015 – Spring 2016.

Alexander Fischer and Adam Sawicki, Undergraduate Research Opportunity Program, Immunohistochemical analysis of gene expression in colon biopsies from the Fish Oil Study, Fall 2017 – Winter 2018.

Graduate Student Research Directed:

- Fei Yu, M.S., Cancer Biology graduate student rotation, Fall 1996.
- Gang Chen, M.S., doctoral student in Cancer Biology, “Mechanisms of Carotenoid Oxidation,” June 1997-August 2002. Currently Associate Research Professor, Department of Pharmaceutical Sciences, Washington State University, Spokane.
- Xiang Liu, M.S., Cancer Biology graduate student rotation, Fall 1997.
- Lilian Naegeli, masters student Nutrition Department, “Effects of diet on serum antioxidant status in women,” May 1996-September 1998.
- Selina Glaros, Cancer Biology graduate student rotation, Fall 2001.
- Basic Medical Sciences Program, Wayne State University, one to three students annually, 2000 to 2004.
- Kathy Radakovich, masters student Nutrition Department, “Effects of dietary intervention beyond the trial,” August 2002-December 2003.
- Nancy Fassinger, Nutrition Department doctoral student, co-mentor for analytical portion of thesis work, “Retinoid levels in children supplemented with vitamin A,” June 2003-May 2004. Currently a research dietitian at Children’s Hospital, Detroit, MI.
- Yijun Deng, Cancer Biology graduate student rotation, assay of modified tyrosine residues, Fall 2003.
- Corey Lager, Medical Student, funded by the Medical School Summer Biomedical Research Opportunities Program, “Image analysis of colonic biopsies for biomarkers”, June –Aug. 2010.
- Ofra Duchin, Nutrition doctoral student rotation, funded by the Horace Rackham 2010 Spring/Summer Research Grants Program, “Quality control of dietary data in an intervention trial”, June-August 2010.
- Shannon Porenta, B.S., May 2011-Dec. 2012, Epidemiology Master’s thesis, “Effects of fatty acid desaturase polymorphism on changes in fatty acid levels during a Mediterranean intervention”. Joint mentorship with Steven Gruber and Bhrammar Mukherjee.
- Yiting Li, B.S., May 2011-April 2012, Epidemiology Master’s thesis, “Dietary supplement intake: impact on dietary intervention effects”.
- Steven Sun, Medical Student, funded by the Medical School Summer Biomedical Research Opportunities Program, “Fish oil effects on colon tumorigenesis”, June –Aug. 2012.
- Faith Umoh, Summer MPH Internship, Effects of dietary intervention on exposures to endotoxin, June – August 2013.
- Vivienne Hazzard, Summer MPH Internship, 5-Healthy Towns Initiative, Grocery Store Intervention, June- August 2013.
- Tina Nigam, Medical Student, funded by the Medical School Summer Biomedical Research Opportunities Program, microbiome and mucin gene expression in colon, summer 2014.
- Alicia Michelson, Summer MPH Internship, Development of health coach training materials for use in primary care, summer 2014.
- Elkhansa Sidahmed, pre-doctoral student, Environmental Health Sciences, Nutrition Program, Winter 2011- summer 2015, “Biomarkers of cancer risk in a Mediterranean intervention”. Graduation date July30, 2015. Currently in postdoctoral fellowship at Harvard.
- Nithin Peddireddy (Cincinnati Medical School), Medical Student Research Program (MSRP) in Diabetes, Health Coaching in primary care, summer 2015.
- Maya Faison (M2 medical student), Summer Biomedical Research Program, Health Coaching in primary care, summer 2016.
- Yifan Shen, Fall 2016- Spring 2018, “Fatty acid predictors of colon prostaglandin E2 in a clinical trial of ω -3 fatty acid supplementation”, Nutritional Sciences M.S.

Mathew Wilson, Winter 2017-Spring 2018, "Expression of cyclooxygenases in biopsies from a clinical trial of ω -3 fatty acid supplementation", Nutritional Sciences M.S.

Post-Graduate Research Directed:

Stephanie Armor, M.D., Resident, research rotation, "Antioxidant enzymes in lactating rat mammary gland," June-December 1988.

Phyllis Bowen, Ph.D., Sabbatical leave from University of Illinois, "Methodology for analysis of oxidative DNA damage," April-August 1993.

Cyril Kendall, Ph.D., visiting postdoctoral fellow, "Analysis of oxidative DNA damage in rats fed diets differing in type of fat," November 1994.

Virginia Uhley, Ph.D., postdoctoral fellow, "Effects of altering dietary fat intake on nutrient intakes and DNA damage," June 1995-June 1998. Currently a consulting dietitian and lecturer, University of Michigan.

Olga Mekhovich, Ph.D., postdoctoral fellow, October 1998-July 2000. Currently practicing patent law.

Thomas Abrams, M.D., Internal Medicine, Fellow, Analysis of curcumin by HPLC, Fall 2004 (co-mentor).

Suzanna M. Zick, N.D., M.P.H., Family Medicine Fellow, Analysis of Gingerols by HPLC, Fall 2005 - present (co-mentor on K07 award). Currently Research Associate Professor at University of Michigan.

Shaiju Kakkanadan-Vareed, Ph.D., Postdoctoral fellow, Effects of curcumin on eicosanoid metabolism, Sept. 2005- Dec 2008 (co-mentor). Currently CLIA High Complexity Laboratory Director, US Pain & Spine Institute, Houston, Texas.

Lisa Canar, N.D., Family Medicine Fellow, Quercetin pharmacokinetics, Spring 2006-March 2007. Currently in private practice.

Christopher Lao, M.D., Topical curcumin for melanoma prevention, Spring 2007 (co-mentor for laboratory aspects of project). Currently Clinical Associate Professor at Univ. of Michigan.

Madhuri Kakarala, M.D., Curcumin for breast cancer prevention, Spring 2008 (co-mentor for laboratory aspects of project). Currently Clinical Assistant Professor at Michigan State University, Grand Rapids.

Andrew Neilson, Ph.D., Postdoctoral Fellow, development of HETEs as biomarkers of colon cancer risk, Sept. 2009- June 2011. Currently Assistant Professor of Food Science at Virginia Polytechnic Institute and State University.

Yan Jiang, Ph.D., Postdoctoral Fellow, joint mentorship with Dean Brenner, Fish oils in colon cancer prevention, June 2010- Sept. 2013. Currently Research Investigator, MD Anderson Cancer Center.

Becky Simon, Ph.D., Postdoctoral Fellow, joint mentorship with Dean Brenner, Stem cell models for evaluating nutritional interventions, Dec. 2013- June 2015. Currently Staff Writer at BioCentury Publications, and Editor at American Journal Experts.

Heather McGovern, MD, and Katie VanDrunen, MD, Family Medicine residents, "Development of a Diet and Exercise Assessment Tool for use in Primary Care", 2015-2016.

Matthew Paletta, MD, Family Medicine resident, "Effects of health on compliance with health coaching in primary care", 2015-2017.

Erica Martin, MD and David Schrock, MD, Family Medicine residents, "A diet and exercise screening assessment for use in health maintenance exams" 2016-2018.

Dietetics Training:

Five diet interns, community dietetics rotations, Winter 1999.

One diet intern, community dietetics rotation, Fall 1999.

One diet intern, community dietetics rotation, Fall 1998.
Three diet interns, community dietetics rotation, Winter 2004.
Two master's-RD Nutrition students, Fall-Winter 2007-2008.
Two master's-RD Nutrition students, Fall-Winter 2008-2009.
Two MPH-RD students, summer 2013.
One MPH-RD student, summer 2014.

COMMITTEE AND VOLUNTEER SERVICE

Committee Service:

Equipment Committee, Department of Obstetrics-Gynecology, Wayne State University, 1986-1989.
Computer Committee Chair, Department of Obstetrics-Gynecology, 1988-1989.
Radiation Safety Committee Alternate, 1992-1993.
Cancer Biology Program Admissions Committee, 1995-2004; Chair, September 1995-February 2003; co-Chair March 2003-August 2004.
Research Committee, Department of Internal Medicine, Wayne State University, March 1995-August 2004.
School of Medicine Interdisciplinary Program in Biomedical Sciences Recruiting and Admissions Committee, Wayne State University, June 1998-August 2004.
School of Medicine Advisory Council on Clinical Research, February 2007-Jan. 2009.
Department of Family Medicine Research Support Development Committee, University of Michigan, Fall 2009- 2011.
Cancer Biology Graduate Program, University of Michigan, Admissions Committee, December 2010– July 2013.
School of Medicine, Dean's Advisory Committee on Primary Research Appointments, Promotions, and Titles, elected member, August 2011 –August 2014, Committee Chair academic year 2013-2014.
Cancer Biology Program Student Recruiter and Poster Judge, Annual Biomedical Research Conference for Minority Students (ABRCMS), San Antonio, TX; Nov12-15, 2014.
Department of Family Medicine, University of Michigan, Advisory Committee on Promotion and Tenure, appointed member,2012-2015.
Affiliate Member, Michigan Mixed Methods Research & Scholarship Program, June 2016-present.
School of Medicine, Institutional Review Board, May 1, 2015 –Dec. 30, 2018.
University of Michigan Senate Assembly, elected Medical School Representative, September 1, 2016 - August 31, 2019.
General Counsel Advisory Committee, University of Michigan, September 1, 2017 – August 31, 2018.
MHealthy Advisory Committee, Michigan Medicine, Sept. 28, 2017-present.

Community Volunteer Service:

Science Fair judge, State of Arkansas High School Science Fair, May 1985.
National Chemistry Week hands-on activities, November 16, 1994.
Science Fair judge, International Society and Engineering Fair, Detroit, May 2000.
Science Fair judge, Michigan State Science Fair, Detroit, April 2002.
Science Night exhibitor, North Creek Elementary School, Chelsea, MI, annually 2002-2004.
National Chemistry Week volunteer, Cranbrook Institute of Science and/or Detroit Institute of Science, annually 2002- 2010.

Community lecture, Linwood Church of Christ, Ladies Day, Detroit, MI, Diet and Breast Health, June 2004.

Community lecture, Christian Tabernacle Church, Cancer Support Group, Southfield, MI, Diet in survivorship, September 2005.

Kids and Chemistry volunteer, American Chemical Society, Rouge River Water Festival May, annually 2002-present.

Washtenaw Inner City Outings Group, Sierra Club, 2010-2015.

Community lecture, Silver Maples Retirement Home, Mediterranean Diet and Health, September 2008.

5 Healthy Towns Initiative, Manchester, MI coalition, Postcard intervention for increasing fruit and vegetable intakes, consultant, Spring 2012.

5 Healthy Towns Initiative, Chelsea, MI, Eat Better Coalition, Community interventions for improving diet, member, Spring 2012 – Spring 2014.

Annual Biomedical Research Conference for Minority Students, scientific judge, November 12-15, 2014. (Representing the Cancer Biology Program at University of Michigan)

5 Healthy Towns Initiative, Chelsea, MI (Community interventions for healthy lifestyles), Plan Team member, November 2014 - present.

Community Health Committee, plan partner, Washtenaw County, MI, August 2013 - present.

Media interviews: I have done numerous interviews with television and newspaper reporters about research findings.

INTRAMURAL AND EXTRAMURAL INVITED PRESENTATIONS

Intramural Presentations:

College of Pharmacy and Allied Health Science, Wayne State University, Detroit, MI, November 1986.

Michigan Cancer Foundation, Detroit, MI, February 1987.

Chemistry Department, Wayne State University, Detroit, MI, December 1987.

Department of Internal Medicine, Wayne State University, Detroit, MI, April, 1988.

University of Michigan, Ann Arbor, MI, November, 1989.

Nutrition Dept., Wayne State University, Detroit, MI, November, 1992.

Forum on Opportunities in Basic and Clinical Research, Wayne State University, December, 1993.

Clinical Breast Conference, Harper Hospital, Detroit, MI, March 18, 1998.

Association of Analytical Chemists, Anachem Fall Symposium, Detroit, MI, November 4, 1998.

Chemistry Department, Wayne State University, Detroit, MI, January 1999.

Institute of Chemical Toxicology, Wayne State University, Detroit, MI, September 1999.

Clinical Breast Conference, Harper Hospital, Detroit, MI, February 5, 2001.

Clinical Breast Conference, Harper Hospital, Detroit, MI, October 14, 2002.

Clinical Breast Conference, Harper Hospital, Detroit, MI, January 5, 2004.

Breast Cancer Chemoprevention Program, University of Michigan, Ann Arbor, MI, September 1, 2005.

Department of Family Medicine, Grand Rounds, Ann Arbor, MI, August 30, 2006.

Hematology-Oncology Grand Rounds, University of Michigan, Ann Arbor, MI, September 11, 2006.

Breast Cancer Conference, University of Michigan Cancer Center, Ann Arbor, MI, September 6, 2006.

Department of Family Medicine, Grand Rounds, University of Michigan, Ann Arbor, MI, August 22, 2007.
Michigan Clinical Research Unit, Clinical Trials Update, November 11, 2009.
Breast Cancer Conference, University of Michigan Cancer Center, Ann Arbor, MI, April 28, 2010.
Family Medicine Resident Conference, Weight Management in Primary Care, July 9, 2014.

Extramural Invited Presentations:

Case Western Reserve University, Cleveland, OH, invited seminar speaker, February 1987.
Gesellschaft fur Strahlen und Umweltforschung, Munich, FRG, seminar speaker, November 1988.
Roswell Park Cancer Institute, Buffalo, NY, invited seminar speaker, October 1992.
American Institute for Cancer Research, Annual Research Conference, invited platform speaker, McLean, VA, October 1992.
American Health Foundation, Valhalla, NY, invited seminar speaker, December 1992.
International Life Sciences Institute, Washington D.C., Conference on Dietary Restriction, invited speaker, February 1994.
Ontario Cancer Institute, Toronto, Canada, invited seminar speaker, May 1994.
International Symposium on the Health Effects of Soy, Washington, D.C., invited speaker, October, 1999.
American Association for Cancer Research, San Francisco, CA, Annual Meeting, Symposium on Diet, Nutrition and Cancer, invited speaker, April 2000.
3rd International Conference on the Intraductal Approach to the Breast, Santa Barbara, CA, invited speaker, March 28-30, 2003.
Oncology Grand Rounds, Hamilton Regional Cancer Centre, Ontario, Canada, invited speaker, June 17, 2003.
University of Michigan, Research Seminar, Dept. of Family Medicine, Ann Arbor, MI, December 16, 2003.
5th International Conference on the Intraductal Approach to the Breast, Santa Monica, CA, invited platform speaker, March 1-4, 2007.
Barbara Ann Karmanos Cancer Institute, Wayne State University, Population Studies and Prevention Annual Retreat, Keynote Speaker, May 8, 2009.
Texas A&M University, Nutrition Program, invited visiting faculty, February 8, 2010.
University of Alabama at Birmingham, Comprehensive Cancer Center, invited seminar speaker, August 10, 2011.
Southern Illinois University, Simmons Cancer Center, Springfield, IL, invited seminar speaker, July 12, 2012.
Michigan Academy of Family Physicians, Scientific Assembly and Annual Meeting of Members, Troy, MI, invited platform speaker, “Weighty Matters: What to Do”, April 12, 2013.
Specialized Hospital Soko Banja, invited speaker, “Mediterranean Diet for Reducing Inflammation”, Soko Banja, Serbia, August 16, 2013.
Instituto de Nutrición de Centroamérica y Panamá (INCAP), 65th anniversary symposium, invited plenary speaker, “Role of Obesity in Cancer”, Guatemala City, Guatemala, Sept. 9, 2014.
University of Illinois at Urbana-Champaign, invited seminar, “The Mediterranean Diet – Does the Microbiome Govern the Benefits?”, October 19, 2016.
Women’s Health and Fitness Day, Washtenaw Community College, Ypsilanti, MI, “Should I eat vegetables all day?”, January 28, 2017.

PUBLICATIONS

Peer Reviewed Articles:

1. Clearfield A., Djuric Z. On the mechanism of ion exchange in zirconium phosphates XXVI: Irreversible exchange of alkaline earth cations. *J Inorg Nucl Chem*, 41:885-887, 1979.
2. Clearfield A., Djuric Z. On the mechanism of ion exchange in zirconium phosphates XXV: Exchange of surface protons with ammonium ion. *J Inorg Nucl Chem*, 41:903-904, 1979.
3. Djuric Z., Sinsheimer J.E. Reactions of aliphatic epoxides with deoxycytidine. *Chem. Biol. Interact.*, 50:219-231, 1984.
4. Djuric Z., Sinsheimer J.E. Characterization and quantitation of 3-alkylthymidines from reactions of mutagenic propylene oxides with thymidine. *Chem. Biol. Interact.*, 50:243-253, 1984.
5. Djuric Z., Fifer E.K., Beland F.A. Acetyl coenzyme A-dependent binding of carcinogenic and mutagenic dinitropyrenes to DNA. *Carcinogenesis*, 6:941-944, 1985.
6. Heflich R.H., Fifer E.K., Djuric Z., Beland F.A. DNA adduct formation and mutation induction by 1-nitropyrene and 1,8-dinitropyrene: Relationships between nitroreduction and acetylation. *Environ. Health Perspect.* 62:135-143, 1985.
7. Djuric Z., Sinsheimer J.E. Reactivity of mutagenic propylene oxides with deoxynucleosides and DNA. *Environ. Mol. Mutagen.*, 8:369-384, 1986.
8. Korfmacher W.A., Rushing L.G., Englebach R.J., Freeman J.P., Djuric Z., Fifer E.K., Beland F.A. Analysis of three aminonitropyrene isomers via fused silica gas chromatography combined with negative ion atmospheric pressure ionization mass spectrometry. *J High Resolut Chromatogr*, 10:43-45, 1986.
9. Fifer E.K., Heflich R.H., Djuric Z., Howard P.C., Beland F.A. Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene. *Carcinogenesis* 7:65-70, 1986.
10. Djuric Z., Fifer E.K., Howard P.C., Beland F.A. Oxidative microsomal metabolism of 1-nitropyrene and DNA-binding of oxidized metabolites following nitroreduction. *Carcinogenesis* 7:1073-1080, 1986.
11. Djuric Z., Potter D.W., Heflich R.H., Beland F.A. Aerobic and anaerobic reduction of nitrated pyrenes. *Chem. Biol. Interact.* 59:309-324, 1986.
12. Djuric Z., Coles B., Fifer E.K., Ketterer B., Beland F.A. In vitro and in vivo formation of glutathione conjugates of the K-region oxides of 1-nitropyrene. *Carcinogenesis* 8:1781-1786, 1987.

13. Korfmacher W.A., Djuric Z., Fifer E.K., Beland F.A. Identification of nitro-polycyclic aromatic hydrocarbons by negative ion chemical ionization mass spectrometry. *Spectros International Journal* 6:1-16, 1988.
14. Djuric Z., Fifer E.K., Yamazoe Y., Beland F.A. DNA binding by 1-nitropyrene and 1,6-dinitropyrene in vitro and in vivo: Effects of nitroreductase induction. *Carcinogenesis* 9:357-364, 1988.
15. Heflich R.H., Djuric Z., Zhou Z., Fullerton N.F., Casciano D.A., Beland F.A. Metabolism of 2-acetylaminofluorene in the Chinese hamster ovary cell mutation assay. *Environ. Mol. Mutagen.* 11:167-182, 1988.
16. Djuric Z., McGunagle D.L. Differences in reduction of 1,6-dinitropyrene and 1-nitro-6-nitrosopyrene by rat liver cytosolic enzymes and formation of oxygen-reactive metabolites from nitroso reduction. *Cancer Lett* 48:13-18, 1989.
17. Djuric Z. Reductive metabolism and binding of misonidazole to deoxyribonucleic acid. *Toxicol. Appl. Pharmacol.* 101:47-54, 1989.
18. Pantel, K., Djuric Z., and Nakeff A.K. Stem cell recovery from cyclophosphamide-induced myelosuppression requires the presence of CD4+ cells. *Br. J. Haematol.* 75:168-174, 1990.
19. Djuric Z., Malviya V.K., Deppe G., Malone Jr. J.M., McGunagle D.L., Heilbrun L.K., Reading B.A. and Lawrence W.D. Detoxifying enzymes in human ovarian tissues: Comparison of normal and tumor tissues and effects of chemotherapy. *J. Cancer Res. Clin Oncol.* 116:379-383, 1990.
20. Djuric Z., Heilbrun L.K., Reading B.A., Valeriote F.A. and Martino S.M. Effects of a low fat diet on oxidative DNA damage levels in women at high risk for breast cancer. *J. Natl. Cancer Inst.* 83:766-769, 1991.
21. Djuric Z., Luongo D.A., Harper D.A. Quantitation of 5-(hydroxymethyl) uracil in DNA by gas chromatography with mass spectral detection. *Chem. Res. Toxicol.* 4:687-691, 1991.
22. Djuric Z., Everett C.K., and Valeriote F.A. DNA damage and cytotoxicity in L1210 cells by ellipticine and a structural analog, Datelliptinium. *Cancer Res.* 52:1515-1519, 1992.
23. Djuric, Z. Comparative reduction of 1-nitro-3-nitrosospyrene and 1-nitro-6-nitrosospyrene: Implications for the tumorigenicity of dinitropyrenes. *Cancer Lett* 65:73-78, 1992.
24. Djuric Z., Lu M.H., Lewis S.M., Luongo D.A., Chen X.W., Heilbrun L.K., Reading B.A., Duffy P.H. and Hart R.W. Oxidative DNA damage levels in rats fed low-fat, high-fat or calorie-restricted diets. *Toxicology & Applied Pharmacology* 115:156-160, 1992.
25. Djuric Z., Everett C.K., Luongo D.A. Toxicity, single-strand breaks and 5-hydroxymethyl-2'-deoxyuridine formation in human breast epithelial cells treated with hydrogen peroxide. *Free Radical Biology & Medicine* 14:541-547, 1993.

26. Djuric, Z., Potter, D.W., Culp, S.J., Beland, F.A. Oxidative DNA damage levels in rats treated with 1,6-dinitropyrene. *Cancer Letters*, 71:51-56, 1993.
27. Fariss M.W., Fortuna M.B., Djuric Z., Everett, C.K., Smith J.D., Trent D.F. The selective anti-proliferative effects of α -tocopheryl hemisuccinate and cholesteryl hemisuccinate on murine leukemia cells results from the action of the intact compounds. *Cancer Res.* 54:3346-3351, 1994.
28. Djuric Z., Kritchevsky D. Modulation of oxidative DNA damage by dietary fat and calories. *Mutat. Res.* 295:181-190, 1994.
29. Djuric Z., Corbett T.H., Valeriote F.A., Heilbrun L.H., Baker L.H. Detoxification ability and toxicity of model quinones in mouse and human tumor cell lines used for anticancer drug screening. *Cancer Chemother. Pharmacol* 96:20-26, 1995.
30. Djuric Z., Simon M.S., Heilbrun L.K., Luongo P.M., and Martino S. Levels of 5-hydroxymethyl-2'-deoxyuridine in DNA from blood as a marker of breast cancer risk. *Cancer* 77:691-696, 1996.
31. Djuric Z., Everett-Bauer C.K., and Fariss M.W. Growth inhibition of MCF-7 and MCF-10A human breast cells by α -tocopherol hemisuccinate and cholesteryl hemisuccinate. *Cancer Letters* 111:133-139, 1997.
32. Uhley V., Pellizon M.A., Buison, A.M., Guo F., Djuric Z. and Jen K.-L. Chronic weight cycling increases oxidative DNA damage levels in mammary gland of female rats fed a high-fat diet. *Nutr Cancer* 29:55-59, 1997.
33. Djuric Z., Depper J.B., Smith D., Martino S. and Heilbrun L.K. Oxidative DNA damage levels in blood from women and dietary intake of meats, fruits and vegetables. *J Amer Diet Association* 98:524-528, 1998.
34. Djuric Z., Kukuruga, M. and Nakeff A. Flow cytometric analysis of DNA damage in nucleoids from cultured human breast epithelial cells treated with hydrogen peroxide. *Free Radic. Biol. Med.* 24:326-331, 1998.
35. Yu F. and Djuric Z. Analysis of 5-hydroxy-2'-deoxycytidine and 5-hydroxymethyl-2'-deoxyuridine by GC/MS. *Biomarkers* 4:85-92, 1999.
36. Djuric Z., Uhley V.E., Depper J.B., Poore K.M., Lababidi, S. and Heilbrun L.K. A clinical trial to selectively change dietary fat and/or energy intake in women: The Women's Diet Study. *Nutr Cancer* 34:27-35, 1999.
37. Prapurna, R.D., Lu M.H., Lewis S.M., Djuric Z., Leake J.E. and Hart R.W. Modulation of peroxidation potential by age and dietary fat in different tissues of rats. *Mech. Ageing Dev.* 10:87-99, 1999.
38. Simon M.S., Heilbrun L.K., Stephens D., Lababidi S., Djuric Z. Recruitment for a pilot case-control study of oxidative DNA damage and breast cancer risk. *Am. J. Clin. Oncol.* 23:283-287, 2000.

39. Simon M.S., Djuric Z., Dunn B., Stephens D., Lababidi S., and Heilbrun L.K. An evaluation of blood antioxidant levels and the risk of breast cancer: A pilot case control study. *Breast J* 6:388-395, 2000.
40. Djuric Z., Heilbrun L.K., Lababidi S., Berzinkas, E., Simon, M.S. and Kosir M.A. Levels of 5-hydroxymethyl-2'-deoxyuridine in DNA from blood of women scheduled for breast biopsy. *Cancer Epidemiol. Biomarkers Prev.* 10:147-149, 2001.
41. Djuric, Z., Potter, D.W., Taffee, B. and Strasburg, G.M. Differential effects of iron and hydrogen peroxide on DNA and lipid oxidation. *J. Biochem. Mol. Toxicol.* 15:114-119, 2001.
42. Djuric Z. and Powell L.C. Antioxidant capacity of lycopene-containing foods. *Int J Food Sci Nutr* 52:143-149, 2001.
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