



Nutritional Sciences News

Division of Nutritional Sciences University of Illinois at Urbana-Champaign

VOLUME 9 NUMBER 1 FALL 1996

• *A Word from the Editor...*

Welcome to the Fall, 1996 edition of Nutritional Sciences News. Thank you to all the alumni, faculty and students who were so prompt in providing me with the requested information. Special thanks to Linda Barenthin and Joan Ham for invaluable assistance in putting this edition together. Best wishes to all for a happy and productive year!

Sincerely,

Tracy A. Gautsch

• *From the Director...*

Once again we are happy to send you our annual Division of Nutritional Sciences News. Tracy Gautsch did an excellent job in collecting the news and instituting some format changes. Last years co-editor, Joan Ham, has provided leadership in another outreach function, the development of a Division Homepage. Check us out at <http://w3.ag.uiuc.edu/nutrsci>. Feel free to give us feedback on the newsletter, suggestions for the homepage or just information on you and your family by mail or my e-mail (j-erdman@uiuc.edu).

The last year has been a good one for the Division (12 - MS and 4 PhD degrees earned) and our primary supporting college, the Colleges of ACES (Agricultural, Consumer and Environmental Sciences) completed its first year anniversary and David Chicoine, who was Interim Dean, was named Dean following a national search.

The Division of Nutritional Sciences along with the Department of Food Science & Human Nutrition was fortunate to receive a \$162,000 grant from the USDA to support three, three-year fellowships in human nutrition. If you know any high quality students who wish to pursue a PhD with a human nutrition focus, let us know.

The primary focus of Division activities in the last year has been our Strategic Planning efforts. The preliminary findings of this process were presented during this September's External Advisory Committee meeting. The final report and recommendations are not yet complete, but will be shared with alumni in next year's newsletter. We have been impressed with the tremendous support we have received during this planning process from Division members, students, our External Advisory Committee and University administrators.

One immediate result of some suggestions received during the Strategic Planning is that we are going to reinstitute the University of Illinois, Division of Nutritional Sciences reception at the Experimental Biology meeting. This will be held on Tuesday evening, April 8, 1997 at the Hilton in New Orleans from 8 - 9:30 pm. Check the hotel activities schedule for the assigned room. This reception will follow the general American Society of Nutritional Sciences' University Mixer at the Hilton from 6:30 - 8:00 pm. Yes, we will be there too!

John W. Erdman, Jr.
Director

Invited Lecturers Present Seminars

The 1995-96 academic year was a fruitful year for the Nutritional Sciences seminar series. Nine distinguished scientists from academia, industry and government spoke on a wide range of topics. Dr. Susan Crissy, a nutritionist for the Chicago Zoological Society, Brookfield Zoo, spoke on "Particular Challenges with Nutrition of Primates in Zoos". Dr. Michael Kilberg, Professor and Associate Chairman, Department of Biochemistry and Molecular Biology at the University of Florida, Gainesville presented "Molecular Characterization of Brain Transporters". Dr. Charles Billington at the VA Medical Center in Minneapolis, MN lectured on "Neuropeptide Y and the Regulation of Energy Metabolism". Dr. Amy Luke, Loyola University, Chicago, discussed "Is Ethnicity an Independent Predictor of Obesity? Evidence from Nutrition and Epidemiology". Dr. Leonard Jefferson, Professor and Chair of the Department of Cellular and Molecular Physiology, Pennsylvania State University College of Medicine, Hershey, PA, presented "Mechanisms of Translational Control of Protein Synthesis". Dr. Kenneth Poirier, Regulatory Affairs Manager at Procter & Gamble, Mason, OH, lectured about "Toxicological Risk Measurements of Trace Minerals". Dr. David Ong, Professor in the Department of Biochemistry at Vanderbilt University, discussed "Cellular Retinol and Retinoic Binding Proteins: Why do We Need Four of Them?". Dr. John Cebra, Professor, Department of Biology, University of Pennsylvania, Philadelphia, spoke on "Enteric Bacteria and Viruses Provide Stimuli for the Development and Maintenance of the 'Normal' Gut Mucosal Immune System". Finally, Dr. S. Harvey Mudd, M.D., Guest Scientist at the National Institutes of Mental Health, presented "Homocysteine and Methionine: Metabolic, Nutritional and Health Aspects" as the keynote address at Nutrition Symposium '96.

External Advisory Committee

Each year the Division of Nutritional Sciences is evaluated by an External Advisory Committee. Committee members are selected by the Division from industry and academe around the nation to provide outside viewpoints on the quality and emphasis of the NS program. We would like to thank the members for their time and effort in assisting Nutritional Sciences to continue to improve its high caliber program. Here are the 1995-96 academic year committee members:

Dr. Sandra J. Bartholmey
Manager of Nutritional Science
Gerber Products Company

Dr. Robert J. Collier
Dairy Research Director & Senior Fellow
Monsanto Agricultural Company

Dr. David A. Cook
Vice President, Science & Technology
Mead Johnson Nutritional Group

Dr. Cecile Hoover Edwards
Professor, Department of Nutritional Sciences
College of Allied Health Sciences
Howard University

Dr. Arthur L. Hecker
Vice President, Medical Nutrition Research &
Development
Ross Products Division, Abbott Labs

Dr. Guy H. Johnson
Director of Nutrition
The Pillsbury Company

Dr. Doris Lennon-Thompson
Associate Director
RTE Technology, Desserts Division
Kraft-General Foods Technical Center

Dr. Eric L. Lien
Senior Director, Nutritional Research
Wyeth-Ayerst Laboratories

Dr. Richard G. Shields, Jr.
Central Manager, Nutrition
Heintz Pet Products

Dr. Kenneth T. Smith
Associate Director
Food & Beverage Technology Division
The Procter and Gamble Company

Faculty Professional Activities

- **Dr. Karen Chapman-Novakofski** is an ad hoc reviewer for the *Journal of Nutrition Education* and the *American Journal of Clinical Nutrition*. She also serves on the Advisory Board for the Office of Gerontology and Aging Studies.
- **Dr. Sharon Donovan** is Regional Editor for ASNS Nutrition Notes. She was also elected Member of the ASNS Nominating Committee for Elected Officials and was appointed by the ASCN President to serve as an ASCN representative on Kraft Foods Foundation Fellowship Selection Committee.
- **Dr. James Drackley** was elected Vice President of the Midwest Section of American Dairy Science Association. He also served as Chair of CSREES Regional Project W-181, entitled "Modifying Milk Fat Composition for Improved Manufacturing Qualities and Consumer Acceptability", and was appointed to the Journal Management Committee of the *Journal of Dairy Science*.
- **Dr. John Erdman, Jr.** continues to serve as Vice-chair of the Food and Nutrition Board and recently was appointed to the Standing committee on the Scientific Evaluation of Dietary Reference Intakes (the new RDA committee). He is also a member of the Food Advisory Committee for International Life Sciences Institute (ILSI)-North America.
- **Dr. George Fahey, Jr.** serves as an Editorial Board member for the *Journal of Nutrition* and the *Journal of Dairy Science*. He is a member of several committees: the Committee on Animal Nutrition of the National Research Council, the Editor's Operations Advisory Committee for the American Society of Animal Science, and the Animal Nutrition Committee of the American Institute of Nutrition. Additionally, he was Chair of the 1996 Ruminant Nutrition Conference at Experimental Biology '96, and served as Chair of the Peer Review Panel for C-FAR proposal review.
- **Dr. Elizabeth Jeffery** is Associate Editor of the *Journal of Toxicology and Applied Pharmacology*. She is also President-Elect of the Midwest Regional Chapter of the Society of Toxicology.
- **Dr. Donald Layman** accepted a position for the 1996 and 1997 academic years as Interim Associate Dean for Administration to assist with the reorganization of the College of ACES. He also serves as an Assistant Director in the Office of Research with responsibilities as an administrative advisor for regional research. Additionally, he serves on the Board on Agriculture FY98 Budget Committee which develops the federal USDA budget recommendations for the National Association of State Universities and Land Grant Colleges (NASULGC).
- **Dr. Bill O'Brien** continues as Editor-in-Chief of *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*. He was also elected Member of the American Institute of Ultrasound in Medicine's Bioeffect Committee and appointed Chair of the upcoming 1997 AIUM Non-Thermal Ultrasonic Bioeffects Conference. He completed a 4-year term as a member of the NIH Diagnostic Radiology Study Section in June, 1996.
- **Dr. Patricia J. O'Morchoe, M.D.** was reappointed to the Executive Committee of the International Society of Lymphology for the 1995-1997 term.
- **Dr. James Robinson** serves as a reviewer for the *Journal of Nutrition*.
- **Dr. Shelly Schmidt** was elected as a counselor for the Carbohydrate Division of the Institute of Food Technologists (IFT) and as a Member-At-Large for the newly-formed Education Division of IFT.
- **Dr. Art Siedler** served as Chair of the Chicago Section of the Institute of Food Technology.
- **Dr. Matthew Wallig** is Chair of the Division of Pathology, Department of Veterinary Pathobiology, College of Veterinary Medicine. He also served this past year as President of Phi Zeta Veterinary Honor Society, Mu Chapter.
- **Dr. Jeffrey Woods** is a reviewer for the *Journal of Applied Physiology* and the *Journal of Gerontology*. He also is an active member of the American College of Sports Medicine, Psychoneuro-immunology Research Society, and the International Society of Exercise Immunology.



*Presenting
New
Faculty...*

The Division of Nutritional Sciences welcomed new faculty member, Dr. Jeffrey Woods, Associate Professor in the Department of Kinesiology. Dr. Woods arrived from the University of South Carolina (Ph.D., 1992) and studies the role of exercise in modulating immune function in humans and animals; exercise as a means of treating immunodysregulation in aging; psychoneuroimmunology; stress hormones; and stress and disease.



★ **Dr. Karen Chapman-Novakofski** received an Undergraduate Course Development Award for her role in revising Community Nutrition FSHN 328.

★ **Dr. Bruce Chassy** was elected Chair of the Institute of Food Technology Biotechnology Division. He was also elected to the FDA Food Advisory Council.

★ **Dr. Sharon Donovan** was the recipient of the 1995 Outstanding Faculty Member Award from the Nutritional Sciences Graduate Student Association.

★ **Dr. George Fahey, Jr.** was the recipient of the 1996 College of ACES Senior Faculty Award for Excellence in Research.

★ **Dr. Rex Gaskins** received the NIDDK Award from the National Institutes of Health, 1995-1999.

★ **Dr. Keith Kelley** presented "Immunology Discovers Physiology" to the College of Veterinary Medicine at Kansas State University on a Wellcome Visiting Professorship in Basic Medical Sciences.

★ **Dr. Donald Layman** was elected Secretary of the NCA-5 regional committee of administrators of human sciences programs in the North Central Region of the USDA. He was also appointed to a 3-year term on the Board on Human Services.

★ **Dr. Bill O'Brien** was elected as an Honorary Member of the Society of Vascular Technology.

★ **Dr. James Robinson** was the 1995 recipient of the Sleeter Bull and Lucille Simmons Bull Teaching Enhancement Award to develop a new undergraduate course on "world animal resources".

★ **Dr. Shelly Schmidt** received the 1995 Department of Food Science and Human Nutrition Outstanding Instructor Award.

★ **Dr. Willard J. Visek** was the recipient of the 1996 ASNS Conrad A. Elvehjem Award, given for specific and distinguished service to the public through the science of nutrition.



Faculty News



- Drs. Karen Chapman and Jan Novakofski were married on May 2, 1996.
- Dr. Sharon Donovan and her husband, Don Wallace, welcomed their first child, Victoria "Tori" Kelsey Wallace, on March 4, 1996.
- Dr. George Fahey, Jr. and his wife welcomed their third daughter, Elizabeth Christine, on November 21, 1995.



Invited Lectures and Presentations by NS Faculty

Dr. Karen Chapman-Novakofski presented "Delivering Nutrition Education to the Elderly" at the 6th Annual St. Louis Summer Geriatric Institute. She also presented "Health Problems of the Elderly and Prevention Through Nutrition and Education" to the Administration on Aging, USDHHS.

Dr. Sharon Donovan was invited to speak on "The Neonatal Piglet as a Model to Study Insulin-like Growth Factor Mediated Intestinal Growth and Function" at the International Symposium on Swine in Biomedical Research in College Park, MD.

Dr. James Drackley presented "Bioactive Components of Animal Products: Beneficial Roles in a Healthful Diet" at the Functional Foods for Health retreat.

Dr. John Erdman, Jr. presented invited lectures on metabolism of carotenoids at the University of North Carolina, East Tennessee State University, and the Experimental Biology and Institute of Food Technologists meetings.

Dr. Donald Layman presented "Administration of Agriculture Research Programs" to the USDA Agricultural Experiment Station's Director's Workshop in Washington D.C.

Dr. Bill O'Brien was invited to speak on "Ultrasound Mechanisms for Ultrasound-Assisted Liposuction" at The Institute at Baptist Hospital, Nashville, TN.

Dr. Keith Singletary presented "Alcohol and Breast Cancer" at the American Institute for Cancer Research Media Conference in New York. He also spoke on "Alcohol and Experimental Breast Cancer" at the joint meeting of the Research Society on Alcoholism and the International Society of Biomedical Research on Alcoholism in Washington D.C.

Dr. Matthew Wallig spoke on "Cyanohydroxybutene--The Forgotten Cruciferous Compound" for the Functional Foods for Health Program and Department of Human Nutrition and Dietetics at UIC.

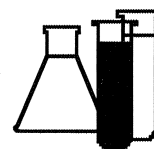
Dr. Jeffrey Woods was Symposium Chair of "Exercise and Immune Function: Potential Role in Infection and Cancer" at the American College of Sports Medicine (ACSM) national meeting in Cincinnati, OH.

International Activities of NS Faculty

- **Dr. Sharon Donovan** presented "Oral Administration of Formula Containing Insulin-like Growth Factor-I (IGF-I) to Neonatal Piglets: Absorption and Intestinal Responses" at the International Conference of the Society for Research in Human Milk and Lactation in Tlaxcala, Mexico.
- **Dr. John Erdman, Jr.** co-organized a symposium on Functional Foods at the International Life Sciences Institute meeting in Cancun, Mexico. He also presented the Symposium Summary at the 11th International Meeting on Carotenoids in Leiden, Netherlands.
- **Dr. Elizabeth Jeffery** attended the Third International Symposium on Functional Medicine in Vancouver, Canada.
- **Dr. Donald Layman** represented the University of Illinois at the International Federation of Home Economics meeting on world food security and world health in Bangkok, Thailand. His trip included visits to Chungnam National University in Taejon, Korea and Su-Won University in Seoul, Korea.
- **Dr. Bill O'Brien** was invited to speak on "Biological Applications of Acoustic Microscopy" at the University of Aarhus in Aarhus, Denmark.



Research Strides of NS Faculty



Dr. James Drackley was awarded grants from the USDA Section 1433 Animal Health and Disease and from the Fats and Proteins Research Foundation to study the effects of fat supplementation on liver function in dairy cows.

Dr. George Fahey has received several grants this past year in the areas of oligosaccharide quantification and the nutritional role of oligosaccharides in humans, rats, and companion animals.

Dr. Elizabeth Jeffery was on sabbatical leave this past year in The United Kingdom where she learned molecular biology techniques and performed cancer chemoprotection studies.

Drs. Barbara Klein, Elizabeth Jeffery, John Juvik and Matthew Wallig are co-principal investigators on a C-FAR grant entitled, "Development of Vegetable Products that Prevent Cancer".

Dr. Bill O'Brien is the recipient of five grants this past year: two Army grants, entitled, "Acoustical Characterization of Soil" and "Transducer Characterization and Optimization"; a National Institutes of Health (NIH) grant entitled, "Human Ultrasound Dosimetry in Ovarian, Embryonic, and Fetal Examinations"; a NIH training grant on "Radiation Biophysics and Bioengineering in Oncology"; and a Value-Added grant entitled "Real-Time Acoustic Imaging Assessment of Defects in Shelf-Stable Food Packages' Microbial Integrity".

Dr. Jeffrey Woods was awarded an American College of Sports Medicine (ASCM) Foundation Grant entitled, "Effects of Exercise on Cytokine Production". He also was the recipient of an UIUC Research Board grant on "Exercise as a Means of Improving Immune Function in the Elderly".

NS Welcomes New Students

Nine new students joined the Division in 1996. As in the past, we have been fortunate to recruit not only highly qualified, but individuals with diverse and unique backgrounds. The 1996 incoming class are:

Spring 1996;

Simone Sinclair received her B.S. in Sociology at the State University of New York at Stonybrook; she is a M.S. student with Dr. Karen Chapman-Novakofski.

Qiaoyi Zhang received her Bachelor of Medicine and Masters of Public Health at Beijing Medical University; she is a Ph.D. student with Dr. Reynolds at UIC.

Victoria Wade has a M.A. in Nutrition from the University of Akron; she is a Ph.D. student with Dr. Keith Singletary.

Fall 1996

Norman Millian received a M.S./R.D. in Nutrition from Illinois State University; he is a Ph.D. student with Dr. Tim Garrow.

Elizabeth Ott has a B.S. in Psychology from Bradley University; she is a M.S. student with Dr. Neil Shay.

Sandra Teixeira received her Licenciatura from the University of Oporto, Portugal; she is a M.S. student with Dr. Sue Potter.

Georgeane Vigue has a B.S. in Health Promotion from the University of Iowa; she is a M.S. student with Dr. Boileau.

Joanna Woodson received a B.S. in Chemistry from the University of North Carolina; she is a M.S. student with Dr. Neil Shay.

Jie Zhang has a M.S./M.D. from The Second Military Medical University, China; he is a Ph.D. student with Dr. Cho.

NSGSA Activities

The 1995-96 academic year was active and productive for the Nutritional Sciences Graduate Student Association (NSGSA). Fall was rung in by the New Student Reception, organized by Tia Rains. The first NSGSA meeting of the fall semester was lead by officers Joy Campbell (co-chair), Sean Barnes (co-chair), Edward Kao (treasurer) and Joshua Bomser (secretary). NSGSA presented the fifth annual Faculty Award to Sharon Donovan for her commitment to graduate education and participation in NSGSA activities such as Nutrition Bowl and Nutrition Symposium. Amy Moore, head of Fundraising, organized sales of insulated coffee mugs, T-shirts and sweatshirts with the NS logo on them, raising several hundred dollars. Homecoming was celebrated with a NSGSA breakfast tailgate party in the Bevier Hall parking lot and was well-attended despite the cold and rainy weather. New officers were elected near the end of Fall semester: Sean Barnes (co-chair), Manuel Baldeon (co-chair), Amy Moore (Treasurer), and Tracy Gautsch (secretary). The fourth annual joint holiday party with the Department of Food Science and Human Nutrition occurred at Joe's Brewery and brought the semester to a close.

Spring semester began with Nutrition Bowl in February, organized by Vicki Houle and Sean Barnes. Four teams of students, represented by faculty

members Dave Baker, Neil Shay, Sue Potter, and Tim Garrow, engaged in a battle of the mind over nutrition topics ranging from nutrient requirements to famous U of I scientists. Dr. James Robinson provided wit and enthusiasm as Master of Ceremonies. When the last question had been asked and the dust had cleared, the winning team consisted of Dr. Dave Baker, Sharon Hedrick, Amy Moore and YooKyoung Park. With the end of the Spring semester near, the third annual Nutrition Symposium arrived, co-chaired by Tia Rains and Tracy Gautsch. As in years past, students both within and outside the Division were invited to present their research in poster or oral format as a means of preparation for the Experimental Biology meeting in April. This year's keynote speaker was Dr. S. Harvey Mudd, M.D., Guest Scientist in the Laboratory of General and Comparative Biochemistry at the National Institute of Mental Health. His talk was entitled, "Homocysteine and Methionine: Metabolic, Nutritional and Health Aspects". NS graduate students Beth Flickinger, Tracy Gautsch, Vicki Houle, Qiang Liu, and Tia Rains won student awards for their outstanding poster or oral presentations. Overall, the event was widely attended by professionals both within and outside the university and was considered a huge success, bringing another busy and successful year to a close.

Graduate Student News

- **Joshua Bomser** won the Hope E. Hopps Student Poster Award at the Society of In Vitro Biology (SIUB) Meeting in June.
- **Jason Emmert** received the Poultry Science Association Graduate Student Research Paper Certificate of Excellence in 1995 and 1996.
- **Joan Ham** was on the Program Committee for the Society for Nutrition Education Annual Meeting. She and her husband welcomed their first child, Rachel Evelyn Ham, on December 13, 1995.
- **Tia Rains** was an American Institute of Nutrition Student Representative and won the Chicago Section of the Institute of Food Technology Vitamin Research Award. She was married in July, 1995 to Steve Vivian.
- **Amy (Randall) Ray** was married in August, 1996 to Dan Ray.
- **Aparna (Reddy) Whagner** was married in July, 1996 to Chris Whagner.

NS Margin of Excellence Student Awards

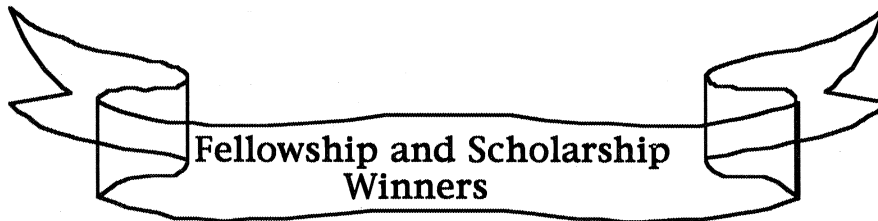
Twice each academic year the Division presents travel awards to students to support attendance at national scientific meetings. This past year's travel grant recipients were: JoAnn Baum, Elizabeth Flickinger, Ziwen Guo, Edward Kao, Guixiang Li, Christopher MacDonald, Tia Rains, Amy Randall, Hong-Yu Teng, Claudia Tovar-Palacio, Ling Wang, Wen Yan, Xingxian Yu, and Chaoshen Yuan.

The Division also presents awards for excellence in student research. The 1996 recipients were: Manuel Baldeon, Sean Barnes, Edward Kao, Guixiang Li, Tia Rains and Xingxian Yu. The Division congratulates all the recipients of these awards.



Students Attend National Nutrition Policy Conference

This past April, the Division sponsored two students to attend the 1996 International Life Sciences Institute (ILSI) National Nutrition Policy Seminar in Washington D.C. Joshua Anthony and Wei-Wen Kuo spent several days on Capitol Hill learning about national food and nutrition policy and discussing policy issues with government agencies, lobbying groups and congressional committees. They were fortunate to meet with the Science Advisor to Senator Simon to discuss the role of nutrition science in policymaking.



Frantzie Balmir: National Heart,
Lung and Blood Institute, NIH
Joshua Bomser: Wardall Fellowship
Jason Emmert: Jonathan Baldwin
Turner Fellowship, Degussa Corporation
Graduate Scholarship
Elizabeth Flickinger: Jonathan
Baldwin Turner Fellowship
Deshanie Ganessunker: South
African Education Program Scholarship
Ziwen Guo: American Heart
Association

Tia Rains: University of Illinois
Graduate College Fellowship
Hong-Yu Teng: University of
Illinois Graduate College Fellowship
Claudia Tovar Palacio: Fulbright-
Garcia Robles/CONACYT Program
Victoria Wade: National Cancer
Institute Predoctoral Fellowship
Xingxian Yu: University of Illinois
Graduate College Fellowship

**Check out the Division of Nutritional Sciences
New WEB SITE!!**

URL: <http://w3.ag.uiuc.edu/nutrsci>

Graduate Student Presentations

American Society of Animal Science Midwest Meeting

Jason Emmert - Nutritional Evaluation of Soybean Lecithin in Chicks.

Experimental Biology 96

JoAnn Baum - Long Term Effects of Soy Protein and Isoflavones on Plasma Lipid Profiles in Postmenopausal Women.

Joy Campbell - Oligosaccharides Affect Cecal and Colonic Short Chain Fatty Acids, pH, and Microflora in Rats. Also: Comparison of Fructooligosaccharides in Selected Feeds Using Ion Chromatography.

Jason Emmert - Minimal Thiamin Requirement of Weanling Rats Fed A Purified Diet. Also: Nutritional Evaluation of Soybean Lecithin in Chicks.

Elizabeth Flickinger - Comparison of Fructooligosaccharides in Selected Feeds Using Ion Chromatography.

Tracy Gautsch - Exercise Stimulates Hepatic Insulin-like Growth Factor Binding Protein-1 (IGFBP-1) mRNA Expression in Rats.

Ziwen Guo - Phospholipid Transfer Protein (PLTP) Secretion, Gene Expression, and HDL Formation by HEP G2 Cell Line as Influenced by Butyrate.

Vicki Houle - Small Intestinal Disaccharidase Activities are Up-Regulated, Whereas Peptidase Activity is Decreased by Orally Administered Insulin-like Growth Factor-I in the Neonatal Piglet.

Guixiang Li - Zinc Deficiency-Induced Anorexia and Hypothalamic Neuropeptide Y.

Christopher MacDonald - Inhibition of 7, 12 Dimethylbenz-(a)anthracene (DMBA)-Induced Mammary Tumorigenesis by Rosemary Extract, Carnosol and Ursolic Acid.

Amy Moore - The Effect of Vitamin A Status on the Uptake of β -Carotene into Mongolian Gerbil Brush Border Membrane Vesicles.

YooKyoung Park - Effect of Oral Formula \pm IGF-I on Intestinal Growth and Enzyme Activity of Piglets on Total Parenteral Nutrition (TPN).

Tia Rains - Zinc Deficiency Changes Dominant Macronutrient Preferences of Sprague-Dawley Outbred Rats.

Amy Randall - Zinc Status Effects on Growth, Appetite, and Neuropeptide Y Levels in Rats of Different Weights and Ages.

Wen Yan - Ethanol and Proliferation of Human Breast Cancer Cells.

Hong-Yu Teng - The Influence of Soy Protein and Isoflavones on LDL Receptor mRNA Levels in Postmenopausal Women.

Ling Wang - Effect of Soy Protein and Isoflavone Level in Diets on Blood Hormones in Postmenopausal Women.

Xingxian Yu - Effects of Food Deprivation and Postnatal Age on Peroxisomal β -oxidation in Pig Liver, Kidney and Heart.

Chaoshen Yuan - Factors Influencing the Secretion of Phospholipid Transfer Protein (PLTP) by CACO-2 Cells.

Poultry Science Association

Jason Emmert - Efficacy of Homocysteine as a Precursor of Methionine is Increased by Excess Choline in Chicks.

Society of In Vitro Biology

Joshua Bomser - Induction of Quinone Reductase Activity in Murine Hepatoma Cells (Hep1c1c7) by Extracts from Callus Cultures of Bilberry and Ohelo.



Nutritional Sciences Class of 1995-1996

The Division granted advanced degrees to 16 students during the 1995-96 academic year. Some have chosen employment in industry while others have decided to remain in academia as either professionals or continuing students. The Division wishes them success and happiness in their future ventures!

August 1995

Carrie Earthman (M.S.) Doctoral candidate, Department of Nutritional Sciences, Arizona State University.

Susan Kandl (M.S.) Dietetic internship at the VA Medical Center in San Diego, CA.

Heather Muir (M.S.) Seeking employment in industry.

Aparna Reddy (M.S.) Research Scientist, Hycor, Garden Grove, CA.

Yueqing Zuo (M.S.) Laboratory Technician, Loyola University, Chicago.

October 1995

Tracy Gautsch (M.S.) Doctoral candidate under Dr. Donald Layman, Division of Nutritional Sciences, UIUC.

Deborah Swartz (Ph.D.) Postdoctoral Research Associate, Division of Gastroenterology, Washington University School of Medicine, St. Louis, MO.

Maoxin Wu (Ph.D.) Pathologist, Department of Pathology, St. John's Mercy Medical Center, St. Louis, MO.

January 1996

Wei Ning (M.S.) Research Specialist, Department of Pathobiology, College of Veterinary Medicine, UIUC.

May 1996

Joy Campbell (Ph.D.) Postdoctoral Research Associate, Department of Animal Sciences, Iowa State University, Ames, IA.

Elizabeth Paisley (Ph.D.) Medical student, Southern Illinois School of Medicine, Carbondale, IL.

Marc Dicklin (M.S.) Chemist/Research Assistant, Polymer Technologies International, Edmonds, WA.

Deshanie Ganessunker (M.S.) Doctoral candidate under Dr. Sharon Donovan, Division of Nutritional Sciences, UIUC.

Kativa Patel (M.S.) Seeking employment in Maryland.

Karen Qian (M.S.) Seeking employment in Washington State.

Amy Randall (M.S.) Dietetic Internship, University of Michigan, Ann Arbor, MI.



Alumni News Notes

1969

Mary Jacob (Ph.D.) continues as a Professor in the Department of Family and Consumer Sciences at California State University in Long Beach. She also serves as the Nutritional Science Graduate Coordinator.

1971

Melvin T. Yokoyama (Ph.D.) is a Professor in the Department of Animal Science at Michigan State University. He is Vice-President of the MSU Asian-American Faculty and Staff Association and was recently recognized by the Minority Apprenticeship Program (MAP) in the College of Agriculture and Natural Resources for years of service as a MAP mentor.

1972

Ifeanyi Justin Arinze (Ph.D.) continues as Chair and Professor in the Department of Biochemistry at Meharry Medical College in Nashville, TN. He serves on the editorial board of the *Journal of Biological Chemistry*.

Race L. Kao (Ph.D.) continues as Professor and Chair of Excellence in the Department of Surgery at East Tennessee State University in Johnson City. He is on the Executive Council of the Cardiovascular Research Institute.

George Klatt (M.S.) received his M.B.A. this past year.

Roger W. Mellenberger (Ph.D.) continues as Professor in the Department of Animal Science at Michigan State University where he is a Dairy Extension Specialist. He is a member of the Education Committee-National Mastitis

Council and the American Dairy Science Association.

1975

Kailash Mathur (Ph.D.) continues as Professor and Advisor to the Nutritional Sciences Graduate program at South Carolina State University in Orangeburg. He was recently honored by the King of Jodhpur, Rajasthan, India for being appointed by President Clinton as a member of the National Nutrition Monitoring Advisory Council.

1976

Guy Johnson (Ph.D.) continues as Director of Nutrition and Labeling at The Pillsbury Company in Minneapolis, MN. He is Chair-Elect of the Institute of Food Technology Nutrition Division and recently organized a symposium along with Barbara Klein on the importance of fruits and vegetables which was presented at IFT in New Orleans. He continues to serve on the External Advisory Committee for the Division.

Meena Navidi (Ph.D.) is Senior Research Scientist at Lockheed-Martin Engineering and Sciences in Moffett Field, CA. She recently taught a course called "Nutrition in Space" at San Jose State University.

1978

W. James Croon (Ph.D.) continues as Professor of Poultry Science and Physiology at North Carolina State University in Raleigh.

1980

John E. Bauer (Ph.D.) continues as a Mark L. Morris Professor of Nutrition in the Department of Small Animal Medicine and Surgery at Texas A&M University, College Station.

1982

Gilbert A. Boissonneault (Ph.D.) continues as Chair of the Department of Clinical Sciences at the University of Kentucky, where he was recently promoted to Professor. He was a 1996 Study Section member of the USDA Human Nutrition Section.

1983

Edward Basgall (Ph.D.) continues as a Research Associate in the Department of Chemistry at The Pennsylvania State University at State College.

1984

Michael Keenan (Ph.D.) continues as Associate Professor of Human Nutrition and Food at Louisiana State University in Baton Rouge. He serves as Chair of the Animal Welfare Committee and the Graduate Studies Committee, and recently authored the Instructor's Manual for the 1996 Mosby Text "Nutrition Throughout the Life Cycle".

Kenneth A. Poirier (Ph.D.) continues as Gastrointestinal Regulatory Affairs Manager at Procter and Gamble in Cincinnati, OH.

1985

Laura M. Rosch, M.D. (M.S.) continues as Medical Director at Wellspring Family Care in Palatine, IL. She recently spoke at the American Society of Bariatric Physicians.

1986

Anne M. Smith (Ph.D.) continues as Associate Professor of Human Nutrition and Food Management at The Ohio State

University and is the 1996-97 President of the Columbus Dietetic Association. She recently received a Faculty Research Award from the Ohio Agricultural Research and Development Center.

1987

Yu-Tsy Li (M.S.) is Senior Scientist at ArQule Inc., in Medford MA.

1988

Shelley (Brown) McGuire (M.S.) continues as Research Associate at the University of Idaho, and serves as Adjunct Faculty member at Washington State University. She has 2 daughters: Emily (5) and Grace (2).

Melissa Hendrix Olken (Ph.D.) is the Associate Head of Education in the Department of Internal Medicine at St. Joseph Mercy Hospital in Ann Arbor, MI. She is also Regional Medical Director as well as Co-coordinator of the Nutrition Support Team for Mission Health Primary Care Academic Practices there. She and her husband of nine years, Norm, have two children: Alex (6) and Charlie (4).

Jeong Ro Park (Ph.D.) continues as an Assistant Professor in the Department of Food and Nutrition at Sunchon National University in Korea. His second child, a son, Jaehan, was born on September 4, 1995.

Ray Yedinak (M.S.) continues as a Quality Assurance Consultant with Viobin Corporation in Monticello, IL. He and his wife, Colleen, have two children: Mallory (8) and Emily (2).

1991

Jana Bryant (M.S.) is a medical student at the University of Kansas.

Karen Dotson (M.S.) continues as a self-employed medical writer. She moved with her husband, Greg Wibert (Ph.D., 1992), to California in September, 1996. She gave an invited presentation at the 1996 American Medical Writer's Association National Conference.

1991

Alyce Fly (Ph.D.) continues as Assistant Professor of Nutrition at Indiana University in Bloomington. She is Vice-Chair of the Indiana Nutrition Council.

Lesley Helyar (Ph.D.) is a Research Assistant Professor at the University of Maine in Orono where she is participating in establishing a Maine Academy of Science. She has received a Research Incentive Award from the Eastern Maine Medical Center for "Detection of Ethanol-Inducible Cytochrome P450IIE1 in Human Peripheral Blood Leukocytes Using a Simple Flow Cytometric Method" and funding from the New England Wood Research Program for "Effect of Wood Drying Vapors on the Respiratory System of Rats".

Tracy Tasker (M.S.) is a Nutrition Support Dietitian at the Midwestern Regional Medical Center in Zion, IL. She recently passed the Certification Examination for Dietitians in Nutritional Support. Additionally, she is a member of the American Society for Parenteral and Enteral Nutrition and the American Dietetic Association.

1992

Wendy (Markham) Hirsch (M.S.) continues to serve as a Christian missionary in Austria with her husband, Chuck. They welcomed a son, Matthew George, on December 7, 1995.

Stacy Scardefield (M.S.) is Senior Clinical Research Associate for Hoffmann-LaRoche Pharmaceutical Company in New Jersey.

Gregory Wibert (Ph.D.) just accepted a position as Director of Research and Development at InterHealth, Inc., located in Concord, CA. He and his wife, Karen Dotson (M.S., 1991), moved to California in September, 1996.

1993

Yolanda Y. Goode (M.S.) is a Cooperative Extension Agent with the University of Florida.

Shwu-Kuan Sarah Jaw (Ph.D.) is Senior Research Scientist of Drug Metabolism for the Central Research Division of Pfizer, Inc. in Rhode Island.

1994

Patti Kloss (M.S.) is a Research Specialist in Pharmaceutical Sciences at Northwestern University studying mechanisms of antibiotic resistance involving ribosomes and ribosomal RNA.

Gregory L. Paul (Ph.D.) continues as an NIH Postdoctoral Research Fellow in the Department of Food Science and Human Nutrition, UIUC. He was married in May to Joan Rokusek (M.S., 1994).

Joan (Rokusek) Paul (M.S.) works as a Clinical Dietician at Covenant Medical Center in Champaign, IL. She was married in May to Greg Paul (Ph.D., 1994).

Catherine Peterson (Ph.D.) is an Assistant Professor at the University of Wisconsin, Stevens Point, WI.

Gregory Sunvold (Ph.D.) continues as Research Nutritionist for the Iams Company in Lewisburg, OH. He and his wife welcomed a son, Ethan Luke, on June 10, 1996.

Jin-Rong Zhou (Ph.D.) continues as a Research Fellow at the New England Deaconess Hospital in Boston, MA. He recently received an Individual National Research Service Award from the National Institutes of Health/National Cancer Institute.

1995

Mimi Chan (M.S.) is a Dietetic Intern in Los Altos, CA.

Brent Flickinger (Ph.D.) continues as a Postdoctoral Fellow at the University of Texas Health Science Center in San Antonio. He was married to Suzanne Broussard (Ph.D., Food Science, 1993) in May.

1995

Susan Kandi (M.S.) completed a Dietetic Internship at the San Diego Veteran's Affairs Medical Center in California, where she was an American Dietetics Association scholarship recipient. She now is a clinical dietician at St. John's Hospital in Springfield, IL. She was married to Eric Gugger (Ph.D., Food Science, 1995) in September.

Mary R. Larson (Ph.D.) is a Postdoctoral Fellow in the Division of Metabolism at the University of Washington Medical Center. She is engaged to Marc Dicklin (M.S., 1996).

Marcia Monaco (Ph.D.) continues as a Postdoctoral Research Associate in the Department of Food Science and Human Nutrition, UIUC. She and her husband, Art, welcomed their first child, Leah Sylvia, on January 10, 1996.

Division of Nutritional Sciences
College of Agricultural, Consumer
and Environmental Sciences
451 Bevier Hall
905 S. Goodwin Avenue
Urbana, IL 61801

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