



Nutritional Sciences News

Division of Nutritional Sciences University of Illinois at Urbana-Champaign VOLUME 11 NUMBER 1 FALL 1998

• A Word from the Editor...

It has indeed been a great pleasure for me to compile this 11th edition of the Nutritional Sciences Newsletter. I want to thank all the alumni, faculty and staff for providing me with the requested information. Special thanks to Linda Barenthin for her invaluable assistance in putting this edition together. Best wishes to you all and happy reading!

Sincerely,

Deshanie Ganessunker

• From the Director...

In September over 100 current faculty and students, members of the Division's External Advisory Committee, supporting college administrators and guests celebrated its 30th anniversary of the Division of Nutritional Sciences with a banquet at Jumer's. It was wonderful to hear the presentations by Gil Leveille and Dave Baker tracing the history of the development of the Division and listing accomplishments of its faculty and students.

The last year has been an active one for the Division. We were very aggressive in recruiting new students and I am happy to report that 16 new students joined us. Several received fellowships, including two USDA National Needs Fellowships. We revised our recruiting brochure and our web site...please visit us at <http://w3.aces.uiuc.edu/nutrsci>

As many of you might know, I have indicated my wish to step down as Director of the Division in August 1999. It has been a wonderful program for 10 years. We have a vibrant, exciting group of students and the Division's programs continue to be innovative and productive. Dean David Chicoine is currently appointing a committee to carry out a local search for the next Director. I am putting details together for a sabbatical leave for the 1999-2000 academic year.

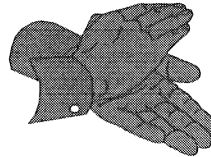
I want to thank Deshanie Ganessunker for her excellent job in editing the newsletter this year. Thanks also go to Keri Kles for revising our Web site. Over most of the last year I have had duties as Interim Associate Dean for Research for the College of ACES and during that time others have come forward to help. Sharon Donovan was one person that went the extra mile for the Division. Special thanks also go to Linda Barenthin, who really runs the Division, and had to put up with first John Milner and then John Erdman (yes, her husband is a John too) for all these years. She has been the constant in the office. Thank you Linda.

Finally, we have had very successful receptions at the Experimental Biology Meetings. We will do it again this year in Washington, DC. I am not sure of the time or evening for this April. Please check your EB program and join us at the Nutritional Sciences reception.

John W. Erdman, Jr.
Director

Invited Lecturers Present Seminars

The Division of Nutritional Sciences was extremely honored to host the following guest speakers during the 1997-1998 Nutritional Sciences seminar series. In addition, the External Advisory Committee participated in a scientist/student forum which included many nutritionists from industry. A wide range of topics were covered this past year. **Dr. Tim Ramsay** at Pennington Biomedical Research Laboratories spoke on "Pig Leptin: Recent Observations and Potential Implications for Animal Agriculture". **Dr. Patrick Stover**, Professor, Dept of Nutritional Sciences, Cornell University discussed the "Role of Folate Metabolism in Regulating Folate Catabolism". **Dr. Robert Chapkin**, Associate Professor, Molecular and Cell Biology, Texas A&M University, conversed on "Putative Mechanisms by which Dietary n-3 PUFAS Reduce Colon Cancer Risk". **Dr. Michael Pariza**, Director of Food Research Institute, University of Wisconsin, presented "Dietary Conjugated Linoleic Acid and Cancer Prevention". **Dr. Elizabeth Snyderwine**, Laboratory of Experimental Carcinogenesis, National Cancer Institute spoke on "Heterocyclic Amines and Breast Cancer". **Dr. Roger Sunde**, Co-Chair, Dept of Food Science and Human Nutrition, University of Missouri discussed "Molecular Biology and Biochemistry underlying Selenium Requirements". **Dr. Dean R. Appling**, Professor of Biochemistry, Dept of Chemistry and Biochemistry, University of Texas lectured on "Compartmentation of Folic Acid and One-Carbon Metabolism". Finally, **Dr. W. Allan Walker**, Chief, Combined Program in Pediatric Gastroenterology and Nutrition, Massachusetts General Hospital was the keynote speaker at Nutrition Symposium '98. His talk was entitled "Nutrition and Inflammatory Diseases of the Gastrointestinal Tract".



The First Willard J. and Priscilla F. Visek Lectureship was held Sept 25, 1997. **Dr. Robert Russell**, Professor of Medicine and Nutrition and Associate Director of the Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University, Boston, MA lectured on "Nutrient Requirements for a Global Aging Population". Anyone wishing to contribute to this lectureship, should contact the Division office.

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 academia around the nation to provide outside viewpoints on the quality and emphasis of the NS program. We would like to acknowledge the following committee members for their time and effort in assisting Nutritional Sciences to continue to improve its high caliber program.

Dr. Robert A. Burns
Director, Nutrition Sciences
Mead Johnson Nutritionals

Dr. Steven L. Ink
(attended by Sandra Bartholmey)
Director, Research & Services
Quaker Oats Co.

Dr. Guy H. Johnson
Director of Nutrition
Kellogg Company

Dr. Patricia Kreutler
Kraft Foods, Inc.

Dr. Gilbert A. Leveille
Leveille Associates

Dr. Eric L. Lien
Vice-President, Nutritional R & D
Wyeth-Nutritionals International

Dr. Alfred H. Merrill, Jr.
Professor of Biochemistry
Dept of Biochemistry
Emory University School of Medicine

Dr. Russell J. Merritt
Medical Director - Pediatric Nutrition
Abbott Laboratories

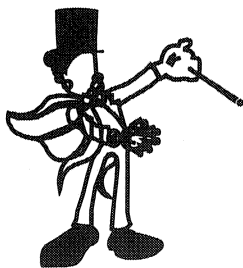
Dr. Robert M. Russell
Associate Director
USDA Human Nutrition Research Center for Aging
Tufts University

Dr. Richard G. Shields, Jr.
General Manager
Science Technology and Regulatory Affairs
Heintz Specialty Pet Foods

Dr. Kenneth T. Smith
(attended by Ron Jandacek)
Associate Director
Food & Beverage Techn. Div.
The Procter and Gamble Company

Faculty Professional Activities

- **Dr. David Baker** has been appointed to a 3-year term to the Board on Agriculture, National Academy of Sciences and has retired from a 9-year term on the Editorial Board of the *Journal of Nutrition*.
- **Dr. Karen Chapman-Novakofski** is the Feature Editor of the *American Dietetic Association Gerontological Nutritionist's* newsletter. She has also been nominated President of Extension Educator's Practice Group of the Society for Nutrition Education.
- **Dr. Sharon Donovan** is Regional Editor for the Dateline North Section of the *ASNS Nutrition Notes* publication. She is a member of the Executive Committee of the International Society for Research on Human Milk and Lactation (1997-1999) and the Graduate Education Committee of ASNS (1998-2001). In addition, she serves as Secretary/Treasurer, Gamma Sigma Delta, Illinois Chapter.
- **Dr. James Drackley** serves on the Editorial Board for the *Journal of Dairy Science* and is the Chair for the *Journal of Management Committee of American Dairy Science Association*.
- **Dr. John Erdman** continues to serve as Vice Chair of the Food and Nutrition Board, Institute of Medicine, National Academy of Sciences as well as the Oversight Committee that is revising all of the RDA's. He has just completed service as Interim Associate Dean for Research for the College of ACES.
- **Dr. George Fahey, Jr.** serves as an Editorial Board member for the *Journal of Nutrition* and has been named to the Editorial Board of Archives of Animal Nutrition. Additionally, he has been named Assistant Dean in the Office of Research, College of ACES and is in charge of C-FAR research leadership for UIUC.
- **Dr. Gregory G. Freund** is a member of the Budget and Finance Committee for the American Society of Cytology.
- **Dr. Elizabeth Jeffery** is Associate Editor of the *Journal of Toxicology and Applied Pharmacology*. She is an Executive Committee member and Past President of the Midwest Regional Chapter of the Society of Toxicology. She also serves on the Nominating Committee, Society of Toxicology and on the Executive Committee, Functional Foods for Health Program, UIUC.
- **Dr. Timothy Garrow** serves as an Ad Hoc reviewer for *Genomics* and *Biochemical Pharmacology*.
- **Dr. Clare Hasler** serves as an Editorial Board member of the *Journals of American Nutraceutical Association* and *Medicinal Foods*, Advisory Board member of *Nutraceutical News* and is Consulting Editor of the *Journal of Nutraceuticals, Functional and Medical Foods*. She has recently become a member of the Illinois Council on Food and Agricultural Research and the American Nutraceutical Association.
- **Dr. Donald Layman** was a Visiting Professor in the Department of Human Nutrition and Food Management at the Ohio State University where he taught amino acid and nitrogen metabolism during February 1998.
- **Dr. Robert Reynolds** serves on the Editorial Board for the *Journal of Nutrition*.
- **Dr. James Robinson** is a reviewer for the *Journals of Nutrition* and *Dairy Science*.
- **Dr. Art Siedler** is a Councilor for the Institute of Food Technology and served as past Chair of the Chicago Section of the Institute of Food Technology.
- **Dr. Keith Singletary** is a member of the Prevention Committee and Illinois Division of the American Cancer Society.
- **Dr. Matthew Wallig** has been appointed to the Editorial Board of the *Journal of Toxicological Sciences*, 1997 and is Co-Editor for the second edition of the book "Fundamentals of Toxicologic Pathology".



Presenting New Faculty...

The Division of Nutritional Sciences welcomed four new faculty members.

Dr. Gregory G. Freund is Assistant Professor of Pathology, Dept of Internal Medicine and Assistant Professor of Animal Sciences. His principal research interests include diabetes mellitus, insulin resistance and TNF- α .

Dr. Vince M. Gabert is an Assistant Professor of Swine Nutrition in the Dept of Animal Sciences. His research focuses primarily on the use of swine to study amino acid metabolism and amino acid requirements.

Dr. Clare M. Hasler is Director of the Functional Foods for Health Program and Assistant Professor of Nutrition, Dept of Food Science and Human Nutrition. Her research area focuses on the role of food ingredients, in particular, soy, in chronic disease.

Dr. Kelly A. Tappenden is Assistant Professor of Nutrition, Dept of Food Science and Human Nutrition. The primary interest of her laboratory is the regulation of gastrointestinal function through optimization of current nutrition support practices.



★ **Dr. Sharon Donovan** was selected as a University of Illinois Scholar for 1998-1999. In addition, her student, Deshanie Ganessunker, was selected as one of the five finalists in the Young Investigator Award Competition sponsored by ASCN.

★ **Dr. James Drackley** was the recipient of the College of ACES Faculty Award for Excellence in Research and the Agway Inc. Young Investigator Award, American Dairy Science Association.

★ **Dr. John Erdman** was selected as a Burroughs-Wellcome Lecturer in Basic Medical Sciences at the University of Georgia and the Malcom Trout Lecturer at Michigan State University.

★ **Dr. Timothy Garrow's** student, Eric Park, was selected as one of twelve finalists in the ASNS Procter and Gamble Graduate Student Research Competition.

★ **Dr. Clare Hasler** was awarded the Friends of Agriculture Award, Illinois Soybean Association for Friends of Agriculture.

★ **Dr. Rodney Johnson** was elected Fellow, Center for Advanced Study.

★ **Dr. Keith Kelley** received the College of ACES Faculty Award for Excellence in Research and the H.H. Mitchell Award for Excellence in Graduate Teaching and Research in Animal Sciences.

★ **Dr. Donald Layman's** student, Joshua Anthony, was selected as one of three winners in the ASNS Procter and Gamble Graduate Student Research Competition.

★ **Dr. Robert Reynolds** received the UIC Teaching Recognition Program, CHAP Excalibur Teaching Award.

★ **Dr. Matthew Wallig** received the Gordon-Helen Kruger All-Round Excellence Award.



Invited Lectures and Presentations by NS Faculty

Dr. David Baker delivered several talks during this past year at the Biokyowa Amino Acid Symposium, St. Louis, MO; Midwest American Society of Animal Science Management, Des Moines, IA; Iowa State University; UIUC Executive Veterinary Program and ASNS National meeting in San Francisco on "Careers in Nutrition".

Dr. Sharon Donovan was Student-Selected Invited Professor for Nutrition Emphasis Week at the Dept of Food Science and Human Nutrition, University of Missouri, Columbia. Her talk was titled "Enterally Administered Growth Factors Enhance Intestinal Development of Piglets on Total Parenteral Nutrition".

Dr. James Drackley presented "Biology of Dairy Cows During the Transition Period: The Final Frontier" at the 1998 Annual meeting of the American Dairy Science Association and American Society of Animal Sciences, Denver, CO.

Dr. George C. Fahey was an invited speaker at the Ralston Purina Nutrition Forum; the Health Benefits of Inulin and Oligofructose Conference; and the Crop Science Symposium entitled "Forty Years of Forage Quality Research: Accomplishments and Impact".

Dr. Gregory Freund chaired the Apoptosis Mini-Symposium and was an invited speaker at the "Apoptosis and Phosphatidyl 3-Kinase Mixed Messenger", at EB '98.

Dr. Timothy Garrow presented a talk at the FASEB Summer Conference in Colorado on "Folic Acid, Vitamin B12, and One-Carbon Metabolism".

Dr. Clare Hasler presented several talks at the Illinois Farm Bureau, IL; Nutracon '98, TX; Institute of Food Technologists Annual Meeting Short Course, GA; Royal Society of Medicine, UK; University of Illinois, IL; Illinois, Nebraska, Oklahoma and Oregon Dietetic Associations, University of Oklahoma and Global Business Research Anti-Aging Conference, CA.

Dr. Elizabeth Jeffery presented several talks at University of Florida on "Diet and Cancer"; at Rutgers University on "Dietary Chemoprevention" and at the ESCOP/ACOP National Leadership Program on "Taking the Lead in Food Safety".

Dr. Donald Layman was an invited speaker on "Nutrition and Exercise Recovery" at the Ohio State University; on "Branched Chain Amino Acid Metabolism during Exercise" at Penn State University, PA and Chaired a mini-symposium on "Nutrition and Exercise" at EB '98.

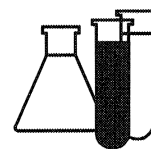
Dr. Keith Singletary presented "Cancer Prevention Phytochemicals from Spices" at a Conference on Dietary Supplements, Functional and Medicinal Foods for the Chronic Diseases of Aging at Anaheim, CA.

International Activities of NS Faculty

- **Dr. Karen Chapman-Novakofski** chaired a session on Agricultural and Seasonal Influences on Food Purchases and Dietary Behaviors for the Society of Nutrition Education in Montreal, Canada.
- **Dr. John Erdman** attended a Nutritional Requirements Conference in Nice, France and presented research findings on the "Bioavailability of Carotenoids" in the Netherlands.
- **Dr. Timothy Garrow** presented "Molecular Mechanisms and Clinical Implications" at the IV Workshop on Methionine Metabolism in Spain.
- **Dr. Robert Reynolds** was in Britain this May to discuss new British regulations limiting the availability of vitamin B6 for Britons.
- **Dr. James L. Robinson** presented a lecture at the Dohne Agricultural Institute, Stutterheim, South Africa, regarding the three inherited disorders in dairy cattle. He was on a study tour of South African Agriculture.
- **Dr. Matthew Wallig** gave an invited presentation entitled "Xenobiotic Metabolism and Organ Toxicity-Lessons from Animal Models" at a Symposium organized by the World Congress of Gastroenterology in Vienna, Austria.



Research Strides of NS Faculty



Dr. David Baker was awarded a grant from Biokyowa Corp. to study branched chain amino acid nutrition in young pigs. He also received a grant from BASF Corp. to study phytate-phosphorous utilization in pigs and chickens.

Dr. Karen Chapman-Novakofski received grants from ES-USDA, C-FAR and the Illinois Heart Association to conduct research in her laboratory.

Dr. John Erdman received a grant from Hunt Wesson, Procter and Gamble and Kraft Foods to support research in his laboratory.

Dr. George Fahey has received several grants this past year from the Illinois Soybean Program Operating Board, the United Soybean Board, the Iams Company, Ralston Purina, Beech-Nut Nutrition Corp., and Ross Products Division of Abbott Laboratories.

Dr. Gregory Freund was the recipient of two grants this past year: 1] American Diabetes Association, and 2] the Macula Foundation Inc. He will be utilizing these funds to characterize and identify a novel serine kinase that regulates IRS-1 tyrosine phosphorylation, and the regulation of NIDDM retinopathy by a novel serine kinase, respectively.

Dr. Timothy Garrow's student, Norman Millian, discovered that human betaine-homocysteine methyltransferase is a zinc metalloenzyme.

Dr. Clare Hasler was awarded several grants this past year: 1] Illinois Soybean Program Operating Board; 2] California Prune Board; 3] Value-Added Program and 4] United Soybean Board to continue research on functional foods and health.

Dr. Neil Merchen received a grant from Illinois C-FAR to support a project entitled "Manipulating Amino Acid Supply in Cattle using Porcine Meat and Bone Meal".

Dr. William O'Brien was awarded a four-year National Institute of Health grant to determine if diagnostic ultrasound used in medical diagnostics produces damage in lung tissue.

Dr. James Robinson received an Animal Health and Disease Grant from the USDA to study Factor XI in cattle.

NS Welcomes New Students

Sixteen new students joined the Division in 1998. As in the past, we have been very fortunate to recruit high quality individuals with diverse and unique backgrounds. The 1998 incoming class is:

Spring 1998

Clint Allred has a B.S. in Animal Sciences from the University of Georgia; he is a M.S. student in the laboratory of Dr. Helferich.

Laura Bauer received her B.S. in Biology at UIUC; she is a M.S. student with Dr. Fahey.

Kasey Heintz received her B.S. in Nutrition from University of New Hampshire; she is a M.S. student with Dr. Erdman.

Lulu Kurman has a B.A. in English from Cornell University; she is a M.S. student with Dr. Hasler.

Kristin Reardon obtained a B.S. in Dietetics at UIUC; she is a M.S. student with Dr. Tappenden.

Fall 1998

Chris Atkinson has a B.S. in Bacteriology from the University of Wisconsin; she is a M.S. student with Dr. Erdman.

An-Chian Chen received a B.S. in Molecular and Cell Biology and a minor in Nutritional Sciences from the University of California Berkeley; she is a Ph.D. candidate with Dr. Donovan.

Mary Dean Coleman has a B.S. in Dietetics and Exercise Science from Southwest Missouri State University; she is a M.S. student with Dr. Tappenden.

Nancy Correa-Matos received her B.A. in Nutrition & Dietetics and M.S. in Health Science in Nutrition, University of Puerto Rico; she is a Ph.D. student with Dr. Donovan.

Bart Deplancke has a B.S. in Biological Sciences and a M.S. in Biochemical Engineering from the University of Gent, Belgium; he is a Ph.D. student with Dr. Gaskins.

Evan Friedman received a B.S. in Animal Sciences from UIUC; he is a M.S. student with Dr. Murphy.

Kajorn Kitiphongspattana has a B.S. in Biochemistry from UIUC; he is M.S. student with Dr. Gaskins.

Anne Kurilich obtained a B.S. in Botany, Eastern Illinois University and a M.S. in Natural Resources Environmental Sciences at UIUC; she is a Ph.D. candidate with Dr. Klein.

Lauro Milo received a B.S. in FSHN from UIUC; she is a M.S. student with Dr. Tappenden.

Zheng Qin received a B.S. in Medicine from the Suzhou College of Medicine; she is a M.S. student with Dr. Cho.

Cassandra Reyes has a B.S. in Chemistry and Biology from the University of Texas Pan American; she is a Ph.D. candidate with Dr. Garrow.



NSGSA Activities

The 1997-98 academic year was another enterprising period for the Nutritional Sciences Graduate Student Association (NSGSA). The Fall semester began with a reception welcoming seven new students. The first NSGSA meeting of the Fall was lead by officers Manuel Baldeon (Co-Chair), Elizabeth Flickinger (Co-Chair), Deshanie Ganessunker (Treasurer), Sharon Hedrick (Secretary). NSGSA presented the seventh annual Faculty Award to Neil Shay for his commitment to graduate education and participation in NSGSA events. Elizabeth Flickinger, Keri Kles and Annette Cole organized T-shirt and sweatshirt sales and raised well over \$100 for the organization. New officers were elected near the end of Fall semester: Elizabeth Flickinger (Co-Chair), Denise Deming (Co-Chair), Kelly Swanson (Treasurer), and Sandra Teixeira (Secretary). The NSGSA joined FSHN for a holiday party at The Office in Urbana and also had a winter party organized by Neil Shay.

The Spring semester began with the Nutrition Quiz Bowl in February, organized by Tom Boileau and Amy Moore. Four teams of students, represented by faculty members, Sharon Donovan, John Erdman, Aslam Hassan, and Neil Shay, competed in an intellectual battle over a wide variety of nutrition topics. Drs. Elizabeth Jeffery and Neal Merchen entertained and informed the group by serving as Master of Ceremonies and Judge, respectively. When all the points were tallied, the

winning team consisted of John Erdman, Shi-ming Ye, Sandra Teixeira, and Claudia Tovar-Palacio. The next activity was the second annual Chili Cookoff, in which hungry NS members sampled chili creations from six chefs. Chris Atkinson was voted "Chief Chili Chef" of the NSGSA and won an apron bearing her title. In April, the fifth annual Nutrition Symposium was organized. The complex event was Co-Chaired by Deshanie Ganessunker and Denise Deming with contributions from Elizabeth Flickinger, Keri Kles, Sandra Teixeira, Kelly Swanson and Manuel Baldeon. Eighteen abstracts were submitted by students both in and outside the Division for a poster competition. The poster and oral presentation competitions serve as a means of preparing students for the Experimental Biology meetings held later in April. Dr. W. Allan Walker, Director of the Harvard Clinical Nutrition Research Center and Chief of the Combined Program in Pediatric Gastroenterology and Nutrition at Massachusetts General Hospital, was the keynote speaker. His talk was entitled "Nutrition and Inflammatory Diseases of the Gastrointestinal Tract." The following graduate students Shi-ming Ye, Chaoshen Yuan, Sandra Teixeira, Elizabeth Flickinger, Amy Moore, Josh Bomser and Kelly Ryan all won awards for their excellent poster or oral presentations. Overall, the event was a great success, bringing another active and fruitful year to an end.

Check out the Division of Nutritional Sciences

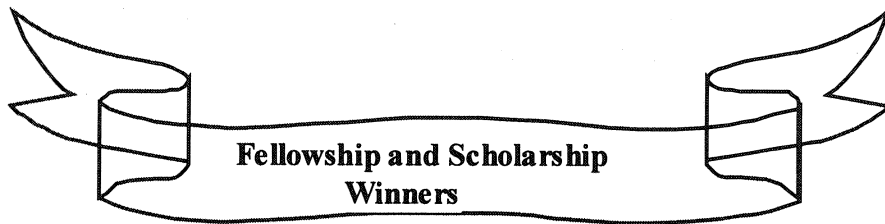
New WEB SITE!!

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

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: Josh Anthony, Manuel Baldeon, Joshua Bomser, Annette Cole, Yulin Fang, Elizabeth Flickinger, Deshanie Ganessunker, Tracy Gautsch, Jiyuan Li, Norm Millian, Elizabeth Ott, Eric Park, Yoo-Kyoung Park, Sandra Teixeira, Claudia Tovar-Palacio, Joanna Woodson and Chaoshen Yuan.

The Division also presents monetary awards for excellence in student research. The 1998 recipients were: Sean Barnes, Yulin Fang, Deshanie Ganessunker, Keri Kles, Jiyuan Li, Norm Millian, Eric Park, Yoo Kyoung Park, Claudia Tovar-Palacio, Joanna Woodson and Chaoshen Yuan. The Division congratulates all the recipients of these awards.



Sean Barnes: National Institute on Alcohol Abuse and Alcoholism
Tom Boileau: University Fellowship
Elizabeth Flickinger: Jonathan Baldwin Turner Fellowship
Deshanie Ganessunker: South African Education Program Scholarship
Norm Millian: Jonathan Baldwin Turner Fellowship
Crystal Morris: Graduate College Fellowship
Chu Won Nho: Philanthropic Educational Organization (PEO) International Peace Scholarship and a University Fellowship

Elizabeth Ott: Jonathan Baldwin Turner Fellowship
Eric Park: American Heart Association Fellowship
Tia Rains: Dissertation Completion Fellowship
Sandra Teixeira: Fulbright and Praxis XXI Scholarship
Claudia Tovar-Palacio: Fulbright-Garcia Robles/CONACYT Program
Victoria Wade: National Cancer Institute Predoctoral Fellowship
Chaoshen Yuan: American Heart Association Fellowship

Graduate Student Presentations

IFT Annual Meeting

Denise Deming – Plans to develop scholarship programs and ways to improve networking.

Experimental Biology '98

Manuel Baldeon – Ontogenic and Functional Analysis of Intestinal Galectin-3.

Tom Boileau – Lycopene Isomers and Carotenoid Profiles in African American and Caucasian Men.

Joshua Bomser – Inhibition of Phorbol Ester (TPA)-induced Mouse Epidermal Ornithine Decarboxylase (ODC) Activity by Grape Seed Oligomeric Proanthocyanidins.

Annette Cole – Growth Hormone Releasing Factor Content in Discrete Hypothalamic Sites and Immunoneutralization of GRF During Recovery from Zinc Deficiency.

Yulin Fang – Use of Human Fibroblasts as a Model to Study Secretion of PLTP and HDL.

Elizabeth Flickinger – In-vitro and In-vivo Digestibility of Selected Oligosaccharides.

Deshanie Ganessunker – Total Parenteral Nutrition Alters Intestinal Immune Cell Composition in Neonatal Piglets.

C.W. Nho – Synergism of Induction of Hepatic Detoxification Enzymes and Their mRNA Upregulation by Glucosinolate Breakdown Products.

Elizabeth Ott – Zinc Deficiency Reduces Leptin mRNA Levels and Secretion of Leptin from Adipocytes.

Eric Park – The Interaction of Methionine Deficiency and Dietary Methyl Donors on Hepatic Betaine-Homocysteine Methyltransferase Gene Expression.

Yoo Kyoung Park – Effects of Limited Enteral Nutrition and Oral IGF-I on Mucosal Growth of Piglets on Total Parenteral Nutrition.

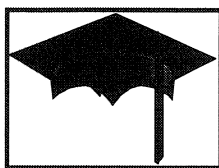
Kelly Ryan – Analysis of Gas Chromatography-Mass Spectrometry (GC-MS) as a Tool to Assess Zinc Status in Humans.

Sandra Teixeira – Dose-dependent Effects of Soy Protein in Hypercholesterolemic Men.

Claudia Tovar-Palacio – Interaction of Dietary Isoflavones and Methionine Supplementation: Their Effect on Cholesterol Levels in Gerbils.

Joanna Woodson – Neuropeptide Y (NPY) and NPY Resistance during Zinc Deficiency is not Affected by Impaired Pro-Neuropeptide Y Processing.

Shi-ming Ye – Spontaneous Interleukin-6 Production in Brain of Aged Mice.



Nutritional Sciences Class of 1997-1998

The Division granted advanced degrees to 14 students during the 1997-98 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 1997

Hwa-Young Baik (M.S.) Doctoral candidate, Division of Nutritional Sciences, UIUC.

Yasmeen Hasan (M.S.) Technician, Searle Laboratories, Skokie, IL.

October 1997

Ziwen Guo (Ph.D.) Residency, Dept of Pathology, University of Wisconsin.

Joan Ham (Ph.D.) Family Leave.

Vicki Houle (Ph.D.) Postdoctoral Fellow, Dept Physiology, University of Manitoba, Canada.

Eric Park (M.S.) Doctoral candidate, Division of Nutritional Sciences, UIUC.

Rick Staack (Ph.D.) Assistant Director, Nutrition Research, National Cattlemen Beef Association, Chicago.

Debra Sullivan (Ph.D.) Assistant Professor, Dept Dietetics & Nutrition, University of Kansas Medical Center, Kansas City.

January 1998

Claudia Tovar Palacio (M.S.) Doctoral candidate, Division of Nutritional Sciences, UIUC.

May 1998

Josh Anthony (M.S.) Doctoral candidate, Dept Cellular & Molecular Physiology, College of Medicine, Penn State University, Hershey, PA

Manuel Baldeon (Ph.D.) Postdoctoral Fellow, Massachusetts General Hospital, Boston.

Stephanie Block (M.S.) Doctoral candidate, Dept Dairy Science, Cornell University.

Tracy Gautsch (Ph.D.) Postdoctoral Research Fellow, Dept Cellular & Molecular Physiology, College of Medicine, Penn State University, Hershey, PA.

Tia Rains (Ph.D.) Research Scientist, Kraft Foods, Inc., Glenview, IL.



1969

Mary Jacob (Ph.D.) continues as a Professor in the Department of Family and Consumer Sciences at California State University in Long Beach.

James G. Bergen (Ph.D.) is the Associate Academic Dean for the Faculty of Science and Technology at the University of Western Sydney, Australia.

1970

Robert E. Landers (Ph.D.) has retired from Best Foods, New Jersey and has several retirement interests including building a book/journal collection, studying

investment strategies, welding and blacksmithing, learning and practicing house restoration skills and reading about the role of functional foods in disease prevention.

1971

Melvin T. Yokoyama (Ph.D.) is a Professor and Graduate Coordinator in the Department of Animal Science at Michigan State University.

1972

George Klatt (M.S.) serves as the Regional Coordinator at the Chicago Dept of Health. He recently received a MBA degree.

1975

Kailash Mathur (Ph.D.) continues as Professor and Advisor to the Nutritional Sciences Graduate program at South Carolina State University in Orangeburg. His professional activities include a book chapter titled "Population and Nutrition" in a new high school biology textbook and he serves as a reviewer for the 1997 Applications for the Food Safety and Quality National Initiative Projects - CSR and Extension Service, USDA. He is the recipient of the "Unsung Hero Award" from the Orangeburg Inside/Outside TV Program.

Bruce A. Molitoris (M.S.) is the Director of Nephrology at Indiana University Medical Center. He serves on the editorial boards of the *Am J Physiology*, *J Am Soc Nephrology*, *Kidney International* and *Am J Kidney Disease*. He has recently been elected into the Association of American Physicians. In addition, he has celebrated his 25th wedding anniversary to Karen Molitoris. He will be on sabbatical at Colorado State University.

Frank H. Morris (M.S.) is currently retired and living in Pennsylvania.

1976

Guy Johnson (Ph.D.) has recently accepted the position of Director of Nutrition at the Kellogg Company, Battle Creek, MI. He continues to serve on the External Advisory Committee for the Division, and the University of Illinois College of ACES External Advisory Board, as well as on the Board of Trustees for the Society of Nutrition Education Foundation. He is the chair of the IFT Nutrition Division, Nutritional Processor's Association and Nutrition and Health Committee.

1977

James W. Croom, Jr. (Ph.D.) is Professor of Nutrition and Physiology, Dept of Poultry Science at North Carolina State University, Raleigh.

1978

Steven K. Clinton (Ph.D.) is Associate Professor of Internal Medicine, Division of Hematology and Oncology at Arthur G. James Cancer Hospital and Research Institute at the Ohio State University. He is a member of the Nutritional Sciences Program at Ohio State University. He was previously affiliated with the Dana-Farber Cancer Institute and Harvard University.

1982

Lisa Marshall (Ph.D.) is the Director of Immunology and Biology Discovery at Smithkline Beecham Pharmaceuticals in Pennsylvania. She is the current Vice President of Inflammation Research Association.

1983

Edward J. Basgall (Ph.D.) has recently joined the Electronic Materials and Processing Research Laboratory as Staff Engineer at Penn State University. He is also a

scanning electron microscopy and an analytical chemist surface analysis consultant. He has won seven home-brewing awards since December 1997 through March 1998.

1984

Michael Keenan (Ph.D.) continues as Associate Professor of Human Nutrition and Food at Louisiana State University in Baton Rouge. He serves as acting division leader as of July 1, 1998-June 30, 1999. His daughter, Colleen, has recently graduated from 8th grade and will be in high school this Fall.

JoAnn Daehler-Miller (M.S.) is an Outpatient/Clinical Dietitian at Central DuPage Hospital, IL. She is the author for the revision/update of Chicago's Dietetic Association Manual of Clinical Dietetics which will be published in Fall 2000.

Kenneth A. Poirier (Ph.D.) continues as Safety Surveillance Manager at Procter and Gamble in Cincinnati, OH.

1985

Laura M. Rosch-Peiroccini, M.D. (M.S.) is Physician on Staff at Central DuPage Hospital, Chicago. She was married this past April.

Sharon L. Hoerr (Ph.D.) is Professor in the Dept of Food Science and Human Nutrition, Michigan State University. She is the Chair of the Regional Research Project NC219 (10 states) and of the Division of Higher Education in the Society for Nutrition Education. She was the recipient of the Border Award for Applied Fundamental Knowledge of Human Nutrition from the American Association of Family and Consumer Services (1997) and the Research Award from the College of Human Ecology, MSU (1998). Her son has just completed his sophomore year of high school.

1986

Anne M. Smith (Ph.D.) continues as Associate Professor of Human Nutrition and Food Management at the Ohio State University. She recently received the "Emerging Dietetic Leader Award" from the American Dietetic Association.

1987

Yu-Tsy (Lily) Li (M.S.) is Group Leader of Analytical Mass Spectrometry, MA. She is a member of ACS and ASNS.

1988

Kevin Fritsche (Ph.D.) is Associate Professor at the Animal Science Research Center, Missouri University. He has been appointed Interim Director of Cell Immunobiology Core Facility at Missouri University, is a member of the Regional Research Project Committee (NC-167) and has begun his 5th year on the editorial board for the *Journal of Nutrition*. In addition, he served as President of the Board of Trustees of the Unitarian Universalist Church.

Shelley (Brown) McGuire (M.S.) serves as Associate Professor, Dept Food Science and Human Nutrition at Washington State University. She recently welcomed her 3rd child, Keith who has two sisters: Emily (7) and Grace (4).

Melissa Meredith (M.S.) is the Assistant Professor of Medicine at the University of Wisconsin Hospital and Clinics. She serves on the Advisory Committee of the Wisconsin Diabetes Control Program and is a member of the American Diabetes Association. She was recently promoted to Clinical Section-Chief of Endocrinology, Diabetes and Metabolism.

Melissa Hendrix Olken (Ph.D.) is Physician of Promed Internal Medicine and Clinical Assistant Professor, Internal Medicine Dept, Michigan State University. She continues to enjoy her husband of eleven years, Norm, their two sons: Alex (8) and Charlie (6) as well as their two cats.

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

1989

Denise King (Ph.D.) is the Manager of Applied Technology, R & D for Protein Technologies International at Du Pont, St Louis. She serves as the Chair for the St Louis Section of the Institute of Food Technologists. She and her husband, Kevin, have two children: Michelle (4) and Ryan (8).

1991

Tracy Tasker Chivari (M.S.) is a Nutrition Support Dietitian at Lankenau Hospital, PA. She is a member of the American Society for Parenteral and Enteral Nutrition and the American Dietetic Association. She has moved once again and is trying to pick-up a night class teaching at the University of Delaware.

Alyce Fly (Ph.D.) continues as Assistant Professor of Nutrition at Indiana University in Bloomington. She has been elected Chair of the Indiana Nutrition Council for the next two years.

Darran Moxon (M.S.) is the Chief Resident, Dept of Internal Medicine, University of Illinois, Chicago.

1993

Alexandra K. Adams (Ph.D.) is Staff Physician at Sacoop Valley Health Center, ME and a part-time teacher at University of Maine Family Practice Dept. She completed her Family Practice Residency at the University of Wisconsin in Fall 1997. She recently welcomed her second child, Fiona Elizabeth.

Nicole de Leeuw (M.S.) is a Researcher in Molecular Microbiology in The Netherlands.

Janet Novotny (Ph.D.) is a Research Physiologist at USDA, Beltsville Human Nutrition Research Center. She was recently appointed Adjunct Faculty member of the Center for Human Nutrition at John Hopkins University.

1994

Sean H. Adams (Ph.D.) is a Scientist in the Dept of Endocrinology, Genentech, Inc., CA. He celebrated his 7th anniversary with wife Sharon last November and the 1st birthday of his son, Connor, last May.

Patti Kloss (M.S.) is a Research Specialist in Pharmaceutical Sciences at the University of Illinois at Chicago.

Minnie Holmes-McNary (Ph.D.) is a Post-Doctoral Fellow at the University of North Carolina Lineberger Comprehensive Cancer Center. She is a member of the Association of Women in Science-North Carolina Affiliation and the recipient of a 1998 American Heart Association Affiliation Grant as well as the 1998 American Association for Cancer Research Young Investigator Award. She celebrated 21 years of marriage this past August.

Joan (Rokusek) Paul (M.S.) is a homemaker residing in Cary, IL.

Chris Poor (Ph.D.) is an Emergency Physician at Murray-Calloway Community Hospital, Kentucky. He has completed his Residency in Family Practice. He has three children: Katelyn (6), Sabry (4) and Savannah (1).

Gregory Sunvold (Ph.D.) continues as a Research Nutritionist for the Iams Company in Lewisburg, OH. He and his wife, Sue have two sons: Caleb (4) and Ethan (2) and recently welcomed their daughter, Leah Elizabeth in May.

Jin-Rong Zhou (Ph.D.) is an Instructor of Surgery and Director of the Nutrition/Metabolism Laboratory, Beth Israel Deaconess Medical Center. He welcomed his 2nd daughter, Katherine, last October.

1995

Mary R. (Larson) Dicklin (Ph.D.) is a Clinical Research Scientist/Medical Writer at Chicago Center for Clinical Research.

Carrie P. Earthman (M.S.) is a Doctoral Candidate at the University of Arizona and also works part-time as a Consulting Dietitian. She has been awarded four different Fellowships/Scholarships in support of her dissertation research.

Marcia Monaco (Ph.D.) continues as a Postdoctoral Research Associate in the Department of Food Science and Human Nutrition, UIUC. She, her husband Art and their daughter Leah (2), welcomed their 2nd child, Luis, this past July.

Maixin Wu (Ph.D.) is completing her 4th year Residency in Pathology in New York.

1996

Joy Campbell (Ph.D.) is a Nutritionist with the American Protein Corporation, Ames, IA.

Marc E. Dicklin (M.S.) is a 2nd year Physician Assistant student at Midwestern University, Downer's Grove, IL.

Kavita Patel (M.S.) celebrated the birth of her baby girl this past January and is now a full time mom.

1997

Jason Emmert (Ph.D.) is an Assistant Professor, Dept of Poultry Science, University of Arkansas. He is pleased to announce that he coached the University of Arkansas to a 2nd place finish at the 1997 National Collegiate Poultry Judging Contest. He and his wife welcomed their daughter, Abigail Lane, this past August.

Vicki Houle (Ph.D.) is a Postdoctoral Fellow in the Dept of Physiology, University of Manitoba. She is the recipient of a Postdoctoral Fellowship from the Canadian Diabetes Association-July 1998.

Richard F. Staack (Ph.D.) is the Assistant Director of Human Nutrition Research, National Cattlemen Association, IL.

Pei-Juei Lee (M.S.) is a Product Specialist at Takeda Chemical Industries Ltd. in Taiwan.

1998

Joshua Anthony (M.S.) is a Doctoral Candidate in the Dept Cellular & Molecular Physiology, College of Medicine, Penn State University, Hershey, PA. He is a member of ASNS and APS and was the winner of the ASNS Procter and Gamble Student Competition at FASEB 1998. He was married to **Tracy Gautsch (Ph.D.)** this past September. Tracy is a Postdoctoral Research Fellow, Dept Cellular & Molecular Physiology, College of Medicine, Penn State University, Hershey, PA. She was the recipient of the Honorable Mention Award from the American Physiological Society for research presented at FASEB 1998.

Manuel Baldeon (Ph.D.) is a Postdoctoral Research Fellow, Massachusetts General Hospital, Boston.

Tia Rains (Ph.D.) is a Research Scientist at Kraft Foods, Chicago, IL.

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