

NUTRITIONAL SCIENCES NEWS

DIVISION OF NUTRITIONAL SCIENCES • UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Vol 17, Fall 2004

NOTE FROM THE DIRECTOR

It has been another exciting year for the Division and I am proud to share with you the achievements of the faculty, graduate students and alumni. First and foremost, I would like to thank Lee Beverly who served as Acting Director of the Division during my sabbatical leave from June to December 2004. My family and I spent the summer in Davis, California, where I conducted research in the laboratory of Dr. Bo Lönnerdal, caught up on manuscript submissions and wrote several grants. It was such a pleasure to be able to focus on my research program, but now I am ready to get back to my duties as Director! I also must acknowledge the contributions of Linda Barenthin, who worked her usual miracles to keep the Division thriving.



• **Division selected for Bristol-Myers Squibb Freedom to Discover Nutrition Grant:**

We learned in December that the Division was selected as the 2005 recipient of the highly prestigious 5-year, \$500,000 Freedom to Discover Nutrition Grant to support research on the topic of *“Defining the nutritional requirements of the developing intestinal ecosystem.”*

• **Recruiting Future Leaders:** We welcomed 22 new students into the Division in 2004 (**pages 5-7**). In the past two years, we have admitted 41 graduate students, bringing our total number to 57. We filled 4 NIH predoctoral fellowships, 2 postdoctoral fellowships, 4 USDA National Needs fellowships and 2 Kraft fellowships (**page 9**). I am so impressed with the quality of our students and I am certain that they will continue the proud tradition of accomplishments by our alumni.

• **New Faculty:** Three faculty members joined the Division during the 2003-2004 academic year (**pages 18-19**). Another 3 faculty applied for membership in Fall 2004, bringing the faculty membership to 60, from 18 departments in 8 colleges.

• **Faculty and Student Awards and Achievements:** The Nutritional Sciences faculty, alumni and students were once again well represented at the ASNS Awards ceremony at EB 2004 (**page 31**). Alan Diamond (Human Nutrition, UI-Chicago) received the 2004 E.L.R. Stokstad Award and Jamie Baum (Don Layman, advisor) and Hyun-Young Koo (Manabu Nakamura, advisor) were finalists in the ASNS Procter & Gamble Competition. A FSHN graduate student of Dr. Nakamura's, Yue Li also competed and was selected as one of the 3 winners. Congratulations!

• **Financial Report:** The state budget showed signs of improvement in the past year, but resources continue to be tight. We have sustained the high quality of our program due to the financial support provided by the Deans of ACES, Applied Life Studies, Medicine, and Veterinary Medicine and our Endowment income. I would like to especially recognize Kraft Foods (**page 4**), Mead Johnson, Ross Products, and Wyeth Nutritionals for their corporate support and faculty, alumni, students and friends for their generous gifts. Your support is a strong statement of the esteem in which you hold the program. If you have not yet contributed, please see **page 5** for opportunities to contribute. Go Illini!

On a closing note, in recognition of the 35th Anniversary of the Division, we featured the recollections of several of the previous Directors in last year's Newsletter. I was remiss in not acknowledging Dr. Harold Draper, who was one of the founding members of the Division and served as the first Director from 1968-1974. His vision for the program is still felt to this day and is certainly appreciated by our Nutritional Sciences alumni from that era. I wish you and your families a happy, healthy & prosperous new year! Please do not hesitate to contact me at any time with questions or suggestions (sdonovan@uiuc.edu or 217-333-4177).

Sharon M. Donovan, Ph.D., R.D.

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**VISIT OUR WEB SITE FOR
E-MAIL ADDRESSES OF CURRENT
FACULTY & STUDENTS**
<http://www.nutrsci.uiuc.edu>

*If you have any comments or
suggested improvements for the web
site, contact us anytime at
nutrsci@uiuc.edu*

ALUMNI Visit the *Alumni Information* section under the “*Graduate Students and Alumni*” link on the web site to ensure that your information is up-to-date. <http://www.nutrsci.uiuc.edu/students_alumni/alumni_info.cfm>. If the information is incorrect, simply click on the “*Contact Us*” link at the bottom of the page and e-mail us your current information. *Please let us know if you do not want your information included on the web site.*

You can also use the “*Alumni Update*” form to provide new contact information, employment updates or submit newsletter information at any time of the year <http://www.nutrsci.uiuc.edu/students_alumni/alumni_update.html>.

We have also posted an “*Alumni Outcomes Assessment*” form that we ask you to complete and submit on-line <http://www.nutrsci.uiuc.edu/students_alumni/alumni_survey.html>. This information will be used to assist us in program evaluation and improvement. We are requesting that alumni complete the form at 2 and 5 years postgraduation and then at 5 year increments. For example, this year, graduates from 2002, 1999, 1994, 1989...etc, are asked to complete the form. However, alumni are welcome to complete the questionnaire at any time.

The External Advisory Committee (EAC) for the Division of Nutritional Sciences is comprised of leaders in industry and academia. This committee assists the Division in our quest to continually improve the quality of our program. The primary interaction with the EAC takes place in September during our annual meeting on the Urbana campus. Over the past 4 years, the EAC contributed to the development of the Division's Strategic Plan and the Curriculum Review.

Dr. Pamela A. Anderson, Current Term 2001-2007.

Director, Medical and Regulatory Affairs, Ross Products Division, Abbott Laboratories, Columbus, OH.

Dr. Robert A. Burns, Current Term 2003-2006.

Research Fellow, Nutrition Sciences, Mead Johnson Nutritionals, Evansville, IN.

Dr. Gail L. Czarnecki-Maulden, Current Term 2003-2006.

Senior Research Nutritionist, Nestle Purina Product Technology Center, St. Joseph, MO.

Dr. Samuel G. Kahn, Current Term 2003-2006.

Senior Health-Nutrition Advisor, Office of Health, Infectious Diseases and Nutrition, Bureau for Global Health, USAID, Washington, DC. (Retired)

Dr. Barbara A. Kochanowski, Current Term 2001-2007.

Associate Director, Oral & Personal Health Care, Healthcare Research Center, Procter & Gamble Co., Mason, OH.

Dr. Gilbert A. Leveille, Ad Hoc

Vice President of Technology, Food System Design, Cargill, Minneapolis, MN.

Dr. Eric L. Lien, Current Term 2003-2006.

Vice President, Nutritional R&D, Wyeth-Ayerst Global Pharmaceuticals, Collegeville, PA. (Retired)

Dr. Luis A. Mejia, Current Term 2002-2005.

Director, Regulatory and Scientific Affairs, Archer Daniels Midland Company, Decatur, IL.

Dr. Susan M. Potter, Current Term 2002-2005.

Global Director, Health and Nutrition, The Solae Company, St. Louis, MO.

Dr. Connie M. Weaver, Current Term 2002-2005.

Distinguished Professor and Head, Dept of Foods & Nutrition, Purdue University, West Lafayette, IN.

**The faculty and students thank each of the Committee members
for their valuable contributions to our program.**



Kraft Foods Human Nutrition Endowment

In 2002, Kraft Foods established a \$1M endowment in the Division of Nutritional Sciences. To date, funding for undergraduate scholars in the Department of Food Science and Human Nutrition, two graduate fellowships in the Division, unrestricted support for the Division and partial funding for a Kraft Endowed Chair has been received.

The Division is extremely thankful to Kraft for their generous support of our academic programs and looks forward to our continuing collaborations.

The 2004 Kraft Undergraduate Scholars are shown below and *Lilly Sueiro and Christina Mack*, our Kraft Human Nutrition Graduate Fellows, are highlighted below.

Kraft Undergraduate Scholars

The Department of Food Science and Human Nutrition selected the following undergraduate students to receive a \$2000 Kraft Scholarship for the 2004-05 academic year.

Young Song is a Senior in Food Science.

Aili Sun is a Sophomore in Food Science.

Kraft Human Nutrition Graduate Fellow

Lilly Ann Sueiro grew up in Puerto Rico, near San Juan. She completed her B.S. in Nutrition and Dietetics, University of Puerto Rico-Rio Piedras in 2003. Lilly entered the Nutritional Sciences program in fall 2003 under the supervision of Dr. Mary Ann Lila. The focus of her research is to identify the chemopreventive



bioactive phytochemicals of *Aronia melanocarpa* fruit (chokeberry), both local and European genotypes. Local (Illinois) genotypes grow wild throughout the Midwest, whereas the European genotypes are grown commercially as sources of natural pigments. Fresh *Aronia* fruits are extracted and gently fractionated using a vacuum chromatography technique, then screened for cancer-chemopreventive activity using a mouse liver cancer cell line Hepa1c1c7 cell proliferation assay. Potent antiproliferation activity has been detected from both wild (local) and European genotypes, and the bioactive phytochemicals are being characterized using mass spectrometry analysis.

"I am honored to be the recipient of a Kraft Foods Human Nutrition Graduate Fellowship and thank Kraft Foods for their commitment to supporting the graduate training of underrepresented minorities. This fellowship will allow me to continue this important work and foster my continued growth as a researcher."

Christina Mack is a native of the Baltimore suburb Pikesville, Maryland. She completed her B.S. in Chemistry at the University of Maryland Eastern Shore. She started her research career as a junior in high school and worked in several disciplines including cancer biology, microbiology, organic chemistry, and nanotechnology at Morgan



State University (Baltimore, MD), University of Maryland Eastern Shore, University of Maryland Medical School, Cornell University, and Pennsylvania State University. During the summer of 2003, she did an internship in the lab of Dr. Kris-Etherton at Penn State where she measured biomarkers of inflammation (C-reactive protein, tumor necrosis factor-alpha and interleukin-6) in serum samples of subjects fed a diet rich in soy. Additionally, Christina helped with a clinical study that compared the effects of a moderate protein diet with a carbohydrate-rich diet on total weight loss.

Christina is currently under the supervision of Dr. Gregory Freund. The focus of her research is the activation of the immune response induced by hypoxia in diabetic mice.

Please consider contributing. You can donate to our unrestricted Endowment Fund or remember a former professor by donating to the following established accounts

- *Nutritional Sciences Endowment Fund*
- *Willard J. Visek Lectureship*
- *James L. Robinson Nutrition Impact Award*
- *David H. Baker Nutrition Scholar Award*
- *Toshiro Nishida Research Award*

It is easy to make a contribution on-line. On our web site under the "Endowment Fund" tab, you will find a link

<http://www.nutrsci.uiuc.edu/endowment_fund/contributions.html> that will allow you to use a credit card. Alternatively, you can send a check to the Division office. Please make the check payable to the "University of Illinois Foundation" and indicate your account preference on the check subject line or in a letter accompanying the check. If you work in industry, please inquire whether your company participates in a matching program. Your donation is tax deductible.

A primary goal is to establish 5 endowed graduate fellowships; we have 2 through the Kraft Endowment. Currently, the Provost will match the interest off the endowed fellowship account so that it only requires \$150,000 to endow a named graduate fellowship rather than \$300,000. If you or your company would like to consider that option, please contact Dr. Donovan (sdonovan@uiuc.edu).

WELCOME NEW GRADUATE STUDENTS Spring 2004

Mengyuan Du, M.S. candidate, M.D. 2002, Beijing University of Chinese Medicine, China. *Advised by William Helferich.*

Yan Gao, M.S. candidate, B.S. 2003 in Molecular Genetics and Molecular Biology, University of Toronto, Canada. *Advised by Greg Freund.*

Bianca Maples, Ph.D. candidate, B.S. 1999 in Food Science and Human Nutrition, University of Florida, Gainesville; M.S. 2000 in Family and Consumer Sciences, Lamar University, Beaumont, TX. *Advised by Kelly Tappenden.*

Noriko Nakamura, M.S. candidate, B.V.Sc. 1999 in Veterinary Medicine, Obihiro University of Agriculture and Veterinary Medicine, Japan. *Advised by Rex Gaskins.*



Back Row: Dolores Doane, Noriko Nakamura, Kristy Powell, Gerardo Nava

Front Row: Mengyuan Du, Yan Gao, Layne Norton

Summer 2004

Jennifer Croix, M.D./Ph.D. candidate, B.S. 2003 in Chemistry, UIUC. *Advised by Rex Gaskins.*

Christopher Guest, M.D./Ph.D. candidate, B.S. 2001 in Biochemistry, Cal Poly State University, San Luis Obispo, CA. *Advised by Greg Freund.*

Christina Sherry, M.S. candidate, B.A. 2004 in Foods and Nutrition, Bluffton College, Ohio. *Advised by Greg Freund.*

Denise Walker, M.S. candidate, A.S. 1997 in Pre-Clinical Laboratory Science, Lake Land College, Mattoon, IL; and B.S. 1999 in Clinical Lab Science, University of Illinois-Springfield. *Advised by Donald Layman.*



Back row: Suzanne Devkota, Katrina Sprengelmeyer, Denise Walker, Amanda Bergschneider

Front row: Jennifer Croix, Jessica Campbell, Christopher Guest

Fall 2004

Amanda Bergschneider, M.S. candidate, B.S. 2004 in Dietetics, Western Illinois University, Macomb, IL. *Advised by Elvira deMejia.*

Jessica Campbell, Ph.D. candidate, B.S. 2001 in Physiology, UIUC. *Advised by John Erdman.*

Suzanne Devkota, M.S. candidate, B.S. 2003 in Biology, UIUC. *Advised by Donald Layman.*

Dolores Doane, M.S. candidate, B.S. 2001 in Nutritional Sciences, Cal Poly State University, San Luis Obispo, CA. *Advised by Lee Beverly.*

Alice Hsu, Ph.D. candidate, B.S. 2002 in Nutrition and Health, Taipei Medical University, China; M.S. 2004 in Health Sciences, Johns Hopkins University, Baltimore, MD. *Advised by Keith Kelley.*

Fall 2004, continued

Keng-I Lin, M.S. candidate, B.S. 2004 in Biochemical Sciences, National Taiwan University. *Advised by Greg Freund.*

Christina Mack, M.D./Ph.D. candidate, B.S. 2004 in Chemistry, University of Maryland Eastern Shore, Princess Ann, MD. *Advised by Greg Freund.*

Gerardo Nava, Ph.D. candidate, D.V.M. 2000 and M.S. 2003 in Microbiology, Universidad Nacional Autonoma de Mexico, Mexico City. *Advised by Rex Gaskins.*

Layne Norton, Ph.D. candidate, B.S. 2004 in Biochemistry, Eckerd College, St. Petersburg, FL. *Advised by Donald Layman.*

Tory Parker, Ph.D. candidate, B.S. 2001 in Zoology/Human Biology and M.S. 2004 in Nutritional Sciences, Brigham Young University, Provo, UT. *Advised by Nicki Engeseth.*

Kristy Powell, M.S. candidate, B.S. 2004 in Dietetics, UIUC. *Advised by Kelly Tappenden.*

Katrina Sprengelmeyer, M.S. candidate, B.S. 2004 in Family and Consumer Economics, Western Illinois University, Macomb, IL. *Advised by Karen Chapman-Novakofski.*

Victoria Vieira, Ph.D. candidate, B.S. 2001 in Biology and a minor in Chemistry, Wheaton College, Norton, MA; and M.S. 2004 in Nutritional Sciences, University of New Hampshire, Durham. *Advised by Jeff Woods.*

Barbara Yudell, M.S. candidate, B.S. 2004 in Food Science and Human Nutrition, UIUC. *Advised by Manabu Nakamura.*



*Back row: Victoria Vieira, Alice Hsu, Keng-I Lin, Christina Mack
Front row: Jana Strakova, Christina Sherry, Barbara Yudell*

August 2003

Peter Steinfelds, M.S. Current Position: Seeking employment in California. *Advised by Keith Singletary.*

December 2003

Coryn Commare, M.S. Current Position: Fellow, Leadership Excellence in Pediatric Nutrition Training Program, Riley Hospital, Indianapolis, IN. *Advised by Kelly Tappenden.*

Cassandra Delgado-Reyes, Ph.D. Current Position: Postdoctoral Fellow, Coulter Department of Biomedical Engineering, Georgia Tech and Emory University, Atlanta, GA. *Advised by Tim Garrow.*

Jill (Gorski) Drum, M.S. Current Position: Scientist, Research and Development, Haemoscope Corporation, Niles, IL. *Advised by Sharon Donovan.*

Jennifer Seyler, M.S. Current Position: Dietitian, Bally Total Fitness Corporation, Chicago, IL. *Advised by Donald Layman.*

May 2004

An-Chian Chen, Ph.D. Current Position: Seeking employment in California. *Advised by Sharon Donovan.*

2003-2004 MARGIN OF EXCELLENCE AWARDS***Travel Awards******Fall 2003***

Kirstie Canene-Adams
 Jamie Baum
 Brian Lindshield
 Jennifer Seyler
 Susan Zaripheh

Spring 2004

Brian Berg
 YeWon Cheon
 Hyun-Young Koo
 Renu Stephen

2004***Research Awards***

Kirstie Canene-Adams
 Pascasie Adedze
 Dave Albin
 Aline Andres
 Anne Bartholome
 Jamie Baum
 YeWon Cheon
 Nancy Correa-Matos
 Kristin Harris
 Jessica Hartke

***Research Awards,
continued***

Kajorn Kitiphongspattana
 Hyun-Young Koo
 Brian Lindshield
 Karen Ochonicky
 Lauren Petr
 Jennifer Seyler
 Renu Stephen
 Chad Stroud
 Susan Zaripheh
 Xiangfeng Zhang

JBT Fellowship

Anne Bartholome
Kirstie Canene-Adams
Cheryl Dikeman
Jessica Hartke
Brian Lindshield
Adam Reppert

***USDA National Needs
Fellowship***

Predoctoral
Meredith Barnes
Susan Evans
Chad Stroud

NIH Fellowship

Predoctoral
Kajorn Kitiphongspattana

Postdoctoral
Jonathan Godbout

University Fellowship

Tristan Kraft

CONACYT Scholarship

Marcela Cortes

Fulbright Scholarship

Mina Mojtahedi



Back Row: Sharon Donovan, Chad Stroud, Susan Evans, Jessica Hartke,
Adam Reppert, Meredith Barnes, Ann Bartholome

Front Row: Marcela Cortes, Mina Mojtahedi, Kajorn Kitiphongspattana, Lilly Sueiro

Attention Alumni: If you have internship opportunities available at your company, please let the Division office (nutrsci@uiuc.edu) know so that we can inform our graduate students.

2004 BAKER AND ROBINSON AWARDS

On January 21, 2004, the recipients of the Baker and Robinson Graduate Student Awards were announced. The **David H. Baker Nutrition Scholar Award** is given annually to the most outstanding graduate student majoring in Nutritional Sciences at UIUC; and the **James L. Robinson Nutrition Impact Award** is given annually to the graduate student who has made the greatest extracurricular impact on the Division of Nutritional Sciences.

A cash award of \$500 is provided to each award recipient and the recipient's name is added to a plaque containing the award recipient for each year, which is permanently displayed outside the Division office.



Cassandra Delgado-Reyes received the "James L. Robinson Nutrition Impact Award"

Anne Bartholome received the "David H. Baker Nutrition Scholar Award"



James Robinson, Cassandra Delgado-Reyes, and Tim Garrow (advisor)



Kelly Tappenden (advisor), Anne Bartholome and David Baker

David Albin received the College of ACES 2004 Graduate Student Research Award. He defended his doctoral thesis on July 9, 2004 and currently is a postdoctoral candidate, USDA Eastern Regional Research Center, Wyndmoor, PA.

Jessica Alwerdt is the NSGSA student representative to the Nutritional Sciences Executive Committee and faculty meetings. She received a U of I Business School Certificate through the Business for Scientists Program and a Certified Tutor Certificate. She also had an interesting collaboration using blueberry extract for rat testing with a lab in Russia and they would like to continue working with the "Lila" lab on other projects.

Ann Bartholome received the Harry M. Vars Research Award from the American Society of Parenteral and Enteral Nutrition; she presented at the 2004 Nutrition Week in Las Vegas, NV "Supplementation of total parenteral nutrition with butyrate acutely increases structural aspects of intestinal adaptation following an 80% jejunoileal resection in neonatal piglets". Anne successfully defended her doctoral thesis on July 6, 2004 and began her new position as a Senior Scientist at Novartis Medical Nutrition, St. Louis Park, MN. She married David Falk on August 20, 2004. Congrats!

Jamie Baum defended her doctoral thesis October 7, 2004 and is currently a Postdoctoral Scholar, Cellular & Molecular Physiology, Penn State University College of Medicine, Hershey, PA.

Kirstie Canene-Adams is the 2003-2004 NSGSA Co-Chair. She received a Travel Award from Ross Labs for a poster presentation entitled: "The growth of the Dunning R-3327H transplantable prostate adenocarcinoma in rats fed diets containing tomato, broccoli, lycopene, or receiving finasteride treatment" at Experimental Biology 2004.

Cheryl Dikeman served on the 2004 Nutrition Symposium Speaker Committee. Cheryl published the following: Dikeman, C.L., Bauer, L.L., Fahey, G.C. 2004. Carbohydrate composition of selected plum/prune preparations. J. Agr. Food Chem. 52:853-859.

Yan Gao was married on July 3, 2004 to Jack Liu.

Alejandra Gratson received a NIH Research Supplement for Underrepresented Minorities. Alejandra published the following: Castro, C., Gratson, A.A., Evans, J.C., Jiracek, J., Collinsova, M., Ludwig, M.L. and Garrow, T.A. 2004. Dissecting the catalytic mechanism of betaine-homocysteine S-methyltransferase by use of intrinsic tryptophan fluorescence and site-directed mutagenesis. Biochem. 43:5341-5351. Alejandra and husband, Greg, welcomed their new baby boy, Sebastian, on July 20, 2004. He weighed 5 lb. and 12 oz. Congratulations!



Jessica Hartke was the 2003-2004 NSGSA Co-Chair. Jessica and her husband, Ted, welcomed their first child, Phillip, on June 1, 2004. He weighed 8 lbs. and 10 oz. Congratulations!



Tristan Kraft was accepted into the Medical Scholars Program (MSP) for the 2004 fall semester. He had the following publication: Yousef, G.G., Seigler, D.S., Grusak, M.A., Rogers, R.B., Knight, C.T.G., Kraft, T.F.B., Erdman, J.W., Lila, M.A. 2004. Biosynthesis and characterization of ¹⁴C-enriched flavonoid fractions from plant cell suspension cultures. J. Agr. Food Chem. 52:1138-1145.

Brian Lindshield is a member of the American Society for Nutritional Sciences.

Mina Mojtahedi is a Fulbright Scholar.

Adam Reppert is Treasurer for the NSGSA.

About the Nutritional Sciences Symposium

Each year the NSGSA organizes a day for students to present their research in the area of nutritional sciences that includes a student competition for both poster and oral presentations. This is a fun and valuable opportunity for students to present their research to peers and faculty while practicing for presentations at national meetings. Winners of the poster and oral competitions win cash prizes. The symposium featured keynote speaker **Dr. Steven Clinton, M.D., Ph.D.**, Director, Prostate and Genitourinary Oncology, Division of Hematology and Oncology, The James Cancer Hospital and Solove Research Institute and Associate Professor, Division of Hematology and Oncology, Department of Internal Medicine, College of Medicine, The Ohio State University, Columbus, who presented "Winning the War with Prostate Cancer: What is the Role for Diet and Nutrition?"

**ORAL PRESENTATIONS**

"Supplementation of total parenteral nutrition with butyrate acutely increases structural aspects of intestinal adaptation following an 80% jejunoileal resection in neonatal piglets" **Anne Bartholome**, at left (Advisor: Kelly Tappenden)

"A paradigm shift in glycemic control using low carbohydrate (CHO), high protein (PRO) diets" **Jamie Baum**, at right (Advisor: Don Layman)



"Inhibition of phytoene desaturase for the isolation of phytoene from cell suspension cultures of tomato (*Lycopersicon esculentum* cv. VFNT Cherry)" **Jessica Campbell**, at left (Advisor: John Erdman)

"Vanadyl sulfate speeds recovery from lipopolysaccharide-induced sickness" **D.R. Johnson**, at right (Advisor: Greg Freund)



"Simultaneous induction of glycolytic, gluconeogenic and lipogenic gene expressions by dietary fructose" **Hyun-Young Koo**, at left (Advisor: Manabu Nakamura)

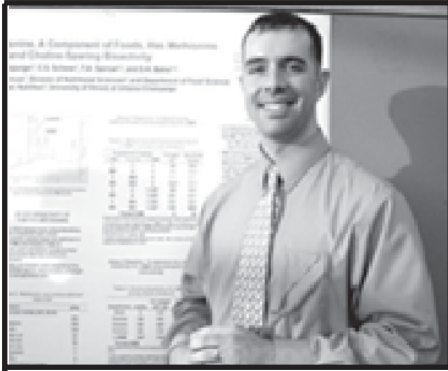
"Diet and age affect fermentative end-product concentrations in the proximal, mid, and distal regions of the dog colon" **K.N. Kuzmuk**, at right (Advisor: George Fahey)



"Regulation of highly unsaturated fatty acids (HUFA) synthesis: A new physiological role of peroxisome proliferator-activated receptor alpha (PPAR-alpha)" **Yue Li**, at left (Advisor: Manabu Nakamura)

"Cognitive and motor deficits in aging mice are paralleled by increases in brain oxidative stress and interleukin-6 (IL-6)" **Amy Richwine**, at right (Advisor: Rodney Johnson)





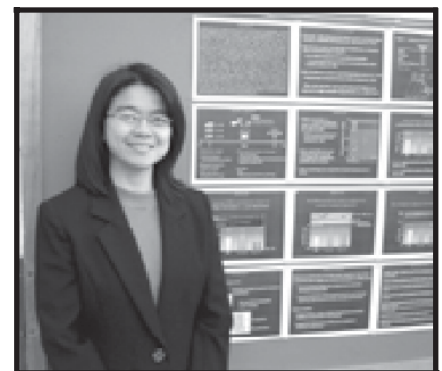
“S-methylmethionine, a component of foods, has methionine and choline-sparing bioactivity” **Nathan Augspurger**, at left (Advisor: David Baker)



“Dietary vitamin E and selenium modulate lipopolysaccharide (LPS)-induced sickness behavior in aged mice” **Brian Berg**, at right (Advisor: Rodney Johnson)



“The growth of the Dunning R-3327-H transplantable prostate adenocarcinoma in rats fed diets containing tomato, broccoli, lycopene, or receiving finasteride treatment” **Kirstie Canene-Adams**, at left (Advisor: John Erdman)



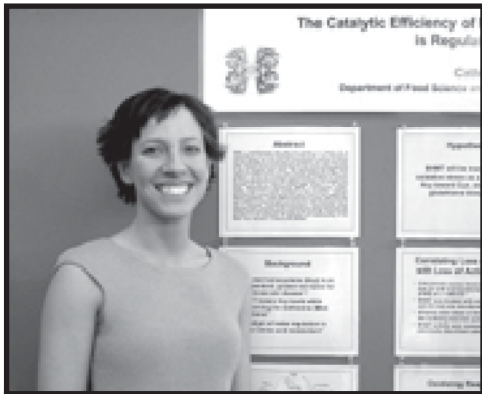
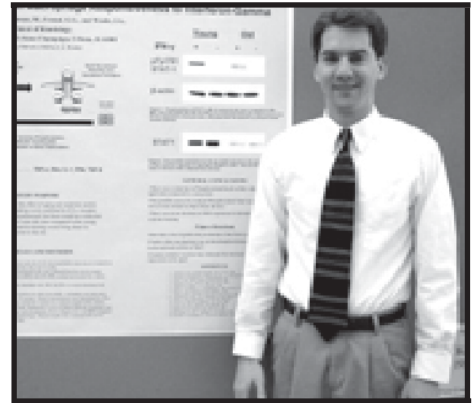
“Potential mechanisms underlying genistein-induced changes in intestinal cell dynamics in the neonatal piglet intestine” **An Chen**, at right (Advisor: Sharon Donovan)



“Role of peroxisome proliferator activated receptor alpha (PPAR alpha) in adaptation to fasting in a pig model” **YeWon Cheon**, at left (Advisor: Manabu Nakamura)

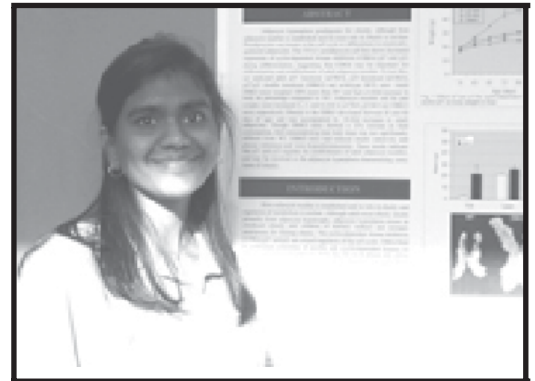
“Fermentable fiber enhances the exclusion immune response in piglets infected with *Salmonella typhimurium*” **Nancy Correa-Matos**, no picture (Advisors: Sharon Donovan/Kelly Tappenden)

“Macrophage hypo-responsiveness to interferon-gamma in aged mice is associated with impaired signaling through Jak-STAT” **Kerry Keylock**, at right (Advisor: Jeff Woods)



“The catalytic efficiency of betaine-homocysteine S-methyltransferase (BHMT) is regulated in part by a redox mechanism” **Catherine Miller**, at left (Advisor: Tim Garrow)

“Role of cyclin-dependent kinase inhibitors in regulation of adipogenesis” **Afia Naaz**, at right (Advisor: Paul Cooke)



“Impaired negative regulation of IL-1B potentiates the sickness behavior response in *db/db* mice” **Jason O'Connor**, at left (Advisor: Greg Freund)

“The effect of fermentable fibers on intestinal function and structure following *Salmonella typhimurium* infection” **Renu Stephen**, at right (Advisor: Kelly Tappenden)



Congratulations to the following winners:

Poster: Renu Stephen, Jason O'Connor, YeWon Cheon and Afia Naaz

Oral: Jessica Campbell, Anne Bartholome, Amy Richwine and Yue Li

2004 Officers

Chair.....Kirstie Canene-Adams
Treasurer.....Adam Reppert
Reporter/Secretary.....Gerardo Nava
Executive Committee Representative..Tristan Kraft

Co-Chair.....Marcela Cortes
Co-Treasurer.....Dolores Doane
Webmaster.....Meredith Barnes

QUIZ BOWL - OCTOBER 2004



WINNING TEAM

Team Layman

Chad Stroud, Kristin Harris, Tory Parker, Lilly Sueiro, and Dr. Don Layman

Team Jeffery

Dr. Elizabeth Jeffery, Jennifer Croix, Barbara Yudell, Alejandra Gratson, and Tristan Kraft



Team Donovan

Jana Strakova, Christina Sherry, Adam Reppert, Dr. Sharon Donovan, and YeWon Cheon



Team Nakamura

Dr. Mani Nakamura, Amanda Bergschneider, Trina Sprengelmeyer, Marija Gajic, and Catherine Miller



FALL PICNIC

Graduate students, faculty and their families enjoyed a picnic in Hessel Park on September 16, 2004. The picnic serves as a welcome for new graduate students as well as a time to celebrate the beginning of a new academic year.



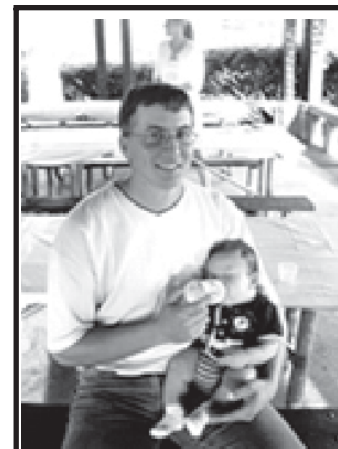
Grill Masters, Kirstie Canene-Adams and Aline Andres



Meredith Barnes, Andrea Parker, Tory Parker and Christina Mack



Victoria Vieira and Chris Guest



Ted and Phillip Hartke



*On left: Dave Baker, Ted and Jessica Hartke
On right: Norraine Baker, Barbara and Peter Galick*



Barbara Yudell, Amanda Bergschneider, Keng-I Lin and Christina Sherry



Each year, NSGSA selects an organization from the Champaign area to assist during the holiday season. This year, they selected "The Center for Women in Transition" Kirstie Canene-Adams, Kathy Sims, the Director of the Center, and Christina Sherry



HAPPY HOLIDAYS FROM THE NSGSA



Amanda Bergschneider and Segametsi Maruapula



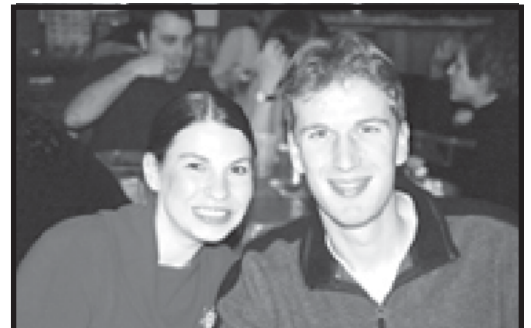
Linda Barenthin and Phillip Hartke



Kelly Tappenden, her daughter Katie Nadrozny and Marcela Cortes



Andrea and Tory Parker



Kirstie Canene-Adams and Dave Adams



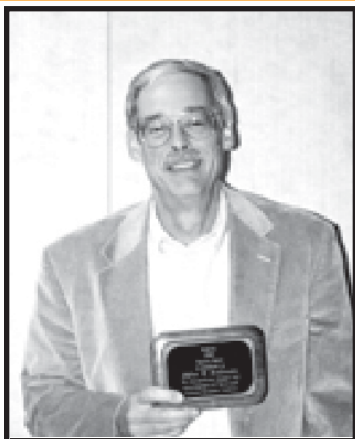
Jami Barenthin and Jessica Campbell



Brian Lindshield and Susan Zaripheh



Susan Evans and Catherine Miller



On November 3, 2004, the Nutritional Sciences Graduate Student Association presented Dr. John Erdman with the 2004 NS Faculty Award. Faculty members are nominated by students based on the degree of involvement in student affairs and the Division. Dr. Erdman indicated that "stimulation and encouragement of student learning and growth into professionals is what we do as faculty. To me, it is really enjoyable to see the maturation of students as they progress through their training and to see how they respond to challenges. It is extremely rewarding to be acknowledged by the Nutritional Sciences graduate students for helping students develop. I thank the NSGSA for this recognition."

"For extraordinary contribution, support and encouragement of Nutritional Sciences Graduate Students"

Susan Zaripheh, John Erdman
and Jessica Campbell



NEW NUTRITIONAL SCIENCES FACULTY

May 2004

Peter J. Garlick, Ph.D.

Faculty Excellence Professor

Department of Animal Sciences

College of Agricultural, Consumer and Environmental Sciences (ACES)

Research Interests: *Protein and amino acid metabolism; stable isotope methodology*

My main interests are in protein synthesis and turnover and its regulation by nutritional, physiological and pathological factors. My lab is currently investigating the control of muscle protein synthesis by amino acids and insulin; mediators of the catabolic response of protein metabolism to injury and infection and their responses to nutrient intake; the importance of pH in the regulation of protein synthesis in muscle and liver and its role in protein catabolic states; and the regulation of serum albumin synthesis by nutritional, physiological and pathological factors. My research program makes considerable use of stable isotopes, particularly novel uses of mass isotopomer distribution analysis to study protein turnover and amino acid and nucleic acid biosynthesis. I use both animal models and human subjects to investigate human nutritional problems.

May 2004

Thomas K. Graves, D.V.M., Ph.D.

Assistant Professor
Department of Veterinary Clinical Medicine
College of Veterinary Medicine

Research Interests: *Cell biology of endocrine and metabolic disorders, especially diabetes and obesity.*

The Graves lab uses fluorescence microscopy, cell culture models, molecular biology, and pharmacological techniques to study intracellular calcium stores,



plasma membrane receptors and ion channels, and insulin secretion in cell culture models of diabetes and other metabolic disorders. The function of endocrine cells often involves an intracellular calcium signal, which triggers a complex sequence

of downstream events leading to hormone secretion. The fine-tuned control of intracellular Ca^{2+} is critical to the function of the pancreatic beta cell, the cell that secretes insulin. The essential role of the beta cell is the secretion of insulin in response to changing concentrations of nutrients, most notably glucose (although even this is arguable), in the extracellular fluid. Regardless of the underlying stimulus, release of insulin from secretory granules within the beta cell requires an intracellular Ca^{2+} signal. Therefore, understanding of how intracellular Ca^{2+} signals are generated in the beta cell is basic to the understanding of the normal function of the cell, and certainly has implications for pathological conditions of the beta cell as well. As an internal medicine clinician at the University of Illinois Veterinary Teaching Hospital, Dr. Graves specializes in endocrinology and feline geriatric medicine. Diabetes in the domestic cat occurs commonly and shares many interesting similarities with diabetes in people.

May 2004

Michael J. Plewa, Ph.D.

Professor
Department of Crop Sciences
College of ACES

Research Interests: *Toxicity of drinking water disinfection byproducts.*

My laboratory studies the quantitative comparative cytotoxicity and genotoxicity of drinking water disinfection byproducts (DBPs). DBPs are toxic, and potentially carcinogenic. These contaminants are generated during the chemical disinfection of drinking water, which is consumed by >90% of the U.S. population. Working



with a group of analytical chemists at the EPA National Exposure Research Laboratory in Athens GA, we discovered, structurally identified and conducted the first toxicity analysis of a new class of DBPs, the halopyrroles and the EPA announced that it will begin rodent cancer tests based on our data. We recently discovered that using chloramines to disinfect waters high in bromide and iodide can lead to the generation of iodo-acid DBPs, which is the most potent genotoxic DBP. My group has generated the largest published database on the mammalian cell toxicity of DBPs. Our results demonstrate that the government may be regulating the wrong DBPs. Because of the high quality of our published DBP data, the EPA asked us to participate in the "Limits of Additivity" project to develop mathematical models to determine the adverse health risks of complex environmental mixtures. They are focusing on the DBPs in order to aid in the development of disinfection methods that reduce concentration of the most toxic of these agents from the finished drinking water. Thus our data are being used in federal programs involved in setting the regulatory conditions for the protection of the public health.

David H. Baker (emeritus) is a member of the FASEB Board of Directors.

Donald P. Briskin received the Award for Excellence in Off-Campus Teaching.

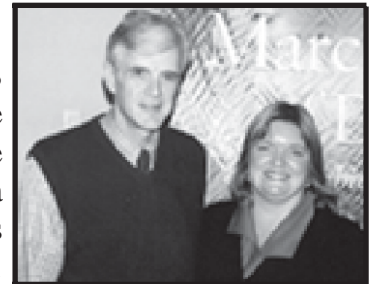
Karen Chapman-Novakofski received the 2004 Society for Nutrition Education Mid-Career Award for accomplishments in the field of nutrition education. She was cited for being a recognized leader in the areas of education, nutrition behavior, and nutritional assessment, as well as, for her extensive and continuous contributions to the mission of the Society for Nutrition Education (SNE). The award was presented at the 37th annual meeting of SNE in Salt Lake City, Utah, July 17-22, 2004. Karen continues to publish the Diabetes Lifelines newsletter, which can be found on the website: www.urbanext.uiuc.edu/diabetes/. The newsletter, published in English and Spanish, contains medical, nutritional, pharmacological, and exercise news. The website also contains bilingual printable handouts about diabetes.



Paul S. Cooke was named the new Field Chair in Reproductive Biology in recognition of his status as an international leader in reproductive biology research. This appointment, made possible through an estate gift from Mrs. Thanis Alexander Field, a 1929 University of Illinois graduate, is the first endowed chair at the College of Veterinary Medicine.

Elvira deMejia was cited on the Fall 2003 Incomplete List of Teachers Ranked as Excellent by Their Students for FSHN 316, Food Chemistry Laboratory.

Sharon M. Donovan received the Jonas Salk Award from the Central Illinois Division of the March of Dimes in November 2003. She was nominated by DNS member and Carle pediatrician, Dr. Terry Hatch, who was the 2002 recipient of the award, *see picture at right*. She continues as Secretary of ASNS and chaired the ASNS Nominating Committee for the Bio-Serv Research Award. She served on a grant review panel for the USDA/ARS internal grants program in Clinical Pediatrics in October 2003. Sharon was named an Affiliate in the Regenerative Biology and Tissue Engineering theme in the Institute for Genomic Biology.



Nicki J. Engeseth received Honorable Mention for the 2004 UI Campus Award for Excellence in Guiding Undergraduate Research.

John W. Erdman serves on the Board of Trustees, ILSI-NA. He was a member of the ASNS Guiding Coalition which was appointed by the Councils of ASNS, ASCN and SINR to make suggestions regarding the restructuring of ASNS. He is Chair of the Standing Committee on the Scientific Evaluation of Dietary Reference Intakes (DRIs) and is also Chair of the Committee on Military Nutrition Research for the FNB/IOM. John was elected as a Member of the Institute of Medicine, National Academy of Sciences.

George C. Fahey was reappointed to the Editorial Board of the Journal of Nutrition (2004-07). He is an Editorial Board member of Archives of Animal Nutrition and Journal of Animal Physiology and Animal Nutrition. He is a Scientific Advisory Committee member for Fats and Proteins Research Foundation, Milk Specialties Co., International Ingredients Corp., and is a member of the ASNS Finance and Nomination Committees.

Rex Gaskins was elected to the Faculty Senate, UIUC, and is a member of the Division's Executive Committee. He was selected as a core member of two research themes for the new Institute for Genomic Biology: Regenerative Biology and Tissue Engineering and Host-Microbe Systems.

FACULTY AWARDS, ACHIEVEMENTS AND PROFESSIONAL SERVICE, CONTINUED

Paul E. Gold is an Executive Committee member of the Winter Conference on the Neurobiology of Learning and Memory and was Program Chair of the 2003-2004 meeting. He is Editor of *Neurobiology of Learning and Memory* and Interim Director of the UIUC Neuroscience Program. Dr. Gold has a new granddaughter, Annabel Calvo Gold, born March 30, 2004, Annabel Calvo Gold.

Elizabeth H. Jeffery received the College of ACES Paul A. Funk Award.

Rodney W. Johnson was named University Scholar, UIUC. This program identifies the most talented faculty members from many different disciplines and encourages continued professional growth and contribution to the University and the public it serves.

Keith W. Kelley received the Norman Cousins Memorial Lecture and Award from the PsychoNeuroImmunology Research Society.

Barbara P. Klein (emerita) received the 2003 Julius Bauermann Lectureship Award from the Philadelphia Section of the Institute of Food Technologists. The award was established in 1975 and is presented to a scientist who has made important contributions to the advancement of food technology/food science. Dr. Klein presented a lecture and received the award on September 9, 2003 in Philadelphia.

Schuyler S. Korban received the College of ACES Paul A. Funk Award. He was also elected a Fellow of the American College of Nutrition.

Mary Ann Lila was elected Fellow of the Society for In Vitro Biology. She is a member of the Cranberry Marketing Committee Scientific Advisory Board and Speakers Bureau of Experts (on functional food properties). She serves as Associate Editor of the *Journal of Plant Physiology* and *In Vitro Cellular Development and Biological Plant* and is on the Board of Directors of the Society for In Vitro Biology.

William D. O'Brien was named the Donald Biggar Willet Professor in Engineering and received the Distinguished Service Award from IEEE Ultrasonics, Ferroelectrics and Frequency Control Society.

James E. Pettigrew received the American Society of Animal Sciences 2004 Animal Industry Service Award. He is a member of the following: National Pork Board Pork Safety Committee; National Pork Board Task Force on Non-Antimicrobial Production Enhancers; WHO International Review Panel on the Termination of the Use of Antimicrobial Growth Promoters in Denmark; Chair, Nonruminant Nutrition Program Committee, American Society of Animal Science. He organized and chaired a symposium on Energy Density in Pig Diets, American Society of Animal Sciences annual meeting; and served as an External opponent for a Ph.D. defense, Wageningen University, Wageningen, Netherlands.

Michael J. Plewa received an Alumni Achievement Award, Illinois State University.

Kelly A. Tappenden was cited on the Fall 2003 Incomplete List of Teachers Ranked as Excellent by Their Students for FSHN 320 and 329, Nutritional Aspects of Disease and Therapeutic Nutrition and Assessment, respectively. She also received the College of ACES Faculty Award for Excellence in Research. She serves on committees for the Department of Food Science & Human Nutrition, Nutritional Sciences, Animal Sciences, the College of ACES and the University of Illinois. She serves on the Research Committee (chair), the Clinical Trials Initiative Task Force, the Governance Task Force, and is the Director of Research, Board of Directors for the American Society for Parenteral and Enteral Nutrition. She serves as Co-Advisor on the Student Interest Section, the Bioserv Award Nominating

FACULTY AWARDS, ACHIEVEMENTS AND PROFESSIONAL SERVICE,

Committee, and the Energy and Macronutrient Metabolism Research Interest Section for the American Society for Nutritional Sciences. She serves on Editorial Boards for Current Nutrition Reviews, Intestine, and Journal of Nutrition; and as an ad-hoc reviewer for several other journals. She was an Associate Editor for Journal of Nutrition supplement containing proceedings of an EB03 symposium, co-chaired; and a Gastroenterology supplement containing proceedings of NIH-sponsored workshop on Intestinal Failure. She also participated on Review Panels for the American Society for Parenteral and Enteral Nutrition Rhoads Research Foundation Grant Review Panel and served as an Ad Hoc Reviewer for Canadian Crohn's Colitis Foundation, Canadian Institutes of Health Research and National Institutes of Health.

Youfa Wang received the University of Illinois General Clinical Research Center (GCRC) Annual Travel Award for 2004. He serves on the following committees: Working group, Growth References for Preadolescents and Adolescents Project, United Nations University Food and Nutrition Program in collaboration with FAO and WHO's Nutrition Department for Health and Development; Scientific Committee, International Symposium-Childhood Obesity: From Basic Knowledge to Effective Prevention, and 14th Workshop European Childhood Obesity Group, Zaragoza, Spain; Nominator, The MacArthur Fellows Program, John D. and Catherine T. MacArthur Foundation; and a NIH Grant Review Committee for the National Institute of Environmental Health Sciences.

Bryan A. White received the College of ACES Senior Faculty Award for Excellence in Research and the Karl E. Gardner Outstanding Undergraduate Advisor Award.

FACULTY INVITED TALKS 2003-2004

David H. Baker (emeritus) was an invited speaker at the following meetings: Third International Conference of Amino Acid Science, Nice, France "Animal models of human amino acid responses" (published in J. Nutr); Second David H. Baker Amino Acid Conference, Des Moines, Iowa "S-methylmethionine, a component of foods and feeds, has both methionine and choline - sparing bioactivity: Implications for animal nutrition"; and the Fourth International Conference of Amino Acid Science, Kobe, Japan "Tolerance for branched-chain amino acids in humans and other animals" (to be published in J. Nutr.).

Sharon M. Donovan presented "Therapies to ameliorate TPN-induced abnormalities in intestinal structure and digestive and immune function" at Wyeth Nutrition, Philadelphia, PA, at a symposium in honor of Dr. Eric Lien prior to his retirement.

John W. Erdman, Jr. was an invited speaker (as was **Keith Singletary**) to the 2004 International Symposium on Functional Foods for Health in Taiwan as a day-long symposium both in Taipei and Taichung. Dr. Erdman presented "Tomato, lycopene and prostate cancer" and Dr. Singletary presented "Functional foods: Opportunities and challenges".

George C. Fahey presented invited talks at the following meetings: AFIA, Dietary Fibre 2003, National ASAS, IFT, Nestle-Purina Nutrition Forum, Ohio State University, Cargill, Waltham Symposium, Masterfoods USA.

Rex Gaskins presented "The commensal microbiota and development of mucosal defense in the mammalian intestine" Novus International, St. Louis, MO; "Intestinal bacterial-host interactions critical to animal growth efficiency (plenary lecture)" Alltech Symposium 2004, Lexington, KY; and "Phylogenomic and molecular analysis of detoxification gene families in *Ciona intestinalis* and their bacterial symbionts" Mount Desert Island Biological Laboratory, Salisbury Cove, ME.

Mary Ann Lila presented "Tracking the chemopreventive range of wild blueberries (*Vaccinium angustifolium*)" WBANA Health Research Summit, Bar Harbor, ME; "Bioflavonoids and human health" Annual Symposium of the San Diego Center for Molecular Agriculture, University of California, San Diego; "Capitalizing on key opportunities for biotechnology in horticultural commodities" MUCIA Seminar: Biotechnology Task Force, Cairo Egypt; "Bioactivity of anthocyanins and importance to human health" International Workshop on Anthocyanins (IWA), Sydney, Australia; "Protecting the interactions between biologically-active flavonoid compounds" AAAS Symposium on Plant-Derived Natural Medicinal and Dietary Supplements, Quality, Efficacy and Safety, Seattle, WA; "Safeguarding natural interactions between bioactive phytochemicals" UAB Annual Symposium for the Botanical Center for Aging Diseases, NIH, Birmingham, AL; "Plant associate program strategies and structural/analytical chemistry overview" ICBG/NIH First Annual International Symposium (Kyrgyzstan/USA/Uzbekistan) on Building Pharmaceutical Capacity in Central Asia, Tashkent, Uzbekistan; and "Evaluation of bioactive flavonoid components in natural mixtures" Experimental Biology 2004, Washington, DC.

James E. Pettigrew presented invited talks at the following: National Pork Producers Council Antimicrobial Use Summit, Washington, DC; Cologio Latinoamericano de Nutricion Animal, Cancun, Quintana Roo, Mexico; Allen D. Lemman Swine Conference, St. Paul, MN; Alltech meeting, Dunboyne, County Meath, Ireland; National Pork Board Genetics of Pig Health Symposium, Des Moines, IA; American Association of Swine Veterinarians, Des Moines, IA; Proinserga (pig production company), Segovia, Spain; Diszno-Klub (pig producers' organization), Szabadkigyos, Hungary; National Pork Board Swine Educators Conference, Des Moines, IA; Latin American Swine Conference, Foz do Iguacu, Parana, Brazil; and World Nutrition Forum, Salzburg, Austria.

Kelly A. Tappenden presented "Butyrate enhanced intestinal monosaccharide transport" University of Chicago, IL; "Intestinal adaptation and ALX-0600" NPS Pharmaceuticals, Mississauga, Ontario; "Implementation of balance studies in the US" NPS Pharmaceuticals Clinical Advisory Meeting, Las Vegas, NV; "Mechanisms of enteral nutrient enhanced intestinal function" NIH Sponsored Research Workshop on Intestinal Dysfunction, Las Vegas, NV; "Physiology, pathophysiology, and implications: Feeding the poorly perfused patient" and "Beyond graduate school: Working in academia" Las Vegas, Nevada Nutrition Week 04; "Short-chain fatty acids, GLP-2 and intestinal adaptation" Mississippi State University; and "Nutrition support of the hemodynamically unstable patient" and "Optimizing the benefits, minimizing the risks of nutrition support in the difficult to feed CVICU patient" Canadian Society for Clinical Nutrition, Toronto, Canada. She co-chaired a NIH Sponsored Research Workshop, "Intestinal Failure: Current and Emerging Therapies Including Transplantation", Las Vegas, NV and a minisymposium, "Intestinal Metabolism and Adaptation", Experimental Biology 04, Washington, DC.

Youfa Wang gave the following presentations: "Epidemiology of childhood obesity: Time for action -- Methodological aspects and guidelines: What's new?" International Symposium--Childhood Obesity: From Basic Knowledge to Effective Prevention, and 14th Workshop: European Childhood Obesity Group, Zaragoza, Spain; "Childhood obesity prevention: Design and preliminary findings of the HEALTH-KIDS study" Obesity and Physical Activity Seminar, University of North Carolina at Chapel Hill; "A school- and community-based childhood obesity intervention study among low-SES minority students: the HEALTH KIDS project" Consortium to Lower Obesity in Chicago Children (CLOCC), Chicago, IL; and "Diet, physical activity, childhood obesity and risk of cardiovascular disease" The XIII International Symposium on Atherosclerosis (Symposium: Life Style and Vascular Disease- The West and the East Meet Together), Kyoto, Japan.

Sharon M. Donovan along with Drs. Matthew Wheeler, Gregory Bleck and Marcia Monaco Siegel, received a patent (US 6,677,500 B2) entitled "Ungulates expressing exogenous IGF-I in their milk." An abstract submitted by Dr. Donovan's graduate student, An-Chian Chen (Chen A-C, Donovan SM. Potential mechanisms underlying genistein-induced changes in intestinal cell dynamics in the neonatal piglet intestine. *Gastroenterology* 126: A521) was selected as a "Poster of Distinction" at the 2004 Digestive Diseases Week meeting, indicating that it was in the top 10% of submitted abstracts.

Mary Ann Lila received a grant from the Egypt Agricultural Exports and Rural Incomes Project (AERI) on Midwest Universities Consortium for International Development (MUCIA) Cooperative Agreement for Institutional Linkages Activity US Agency for International Development (USAID). Dr. Lila is the leader of the Applied Biotechnology Action Team. The budget awarded was \$5.4M with the Biotechnology team receiving \$1M. She also received funding from the International Cooperative Biodiversity Groups, National Institutes for Health (NIH/NSF/USDA Foreign Services) on "Building new pharmaceutical capabilities in central Asia". The budget awarded was \$3,443,910/4.5y (\$4M with corporate matching funds). Dr. Lila received \$832,000 for structural chemistry and plant subprograms. Dr. Lila's lab has new collaborations with the Pigments Group at the New Zealand Crop and Food Research Ltd., specifically with Drs. Kevin Davies and Simon Deroles on health potential of anthocyanin enriched foods.

Kelly A. Tappenden began working on an international, multicenter FDA-approved Phase III Clinical Trial investigating the efficacy teduglutide in patients with short bowel syndrome, June 2004. She received funding from NIH for an Annual Nutrition Week Research Workshop (2003-08) Tappenden, KA, Matthews, DE.

Youfa Wang received the following research grants: NIH for "Obesity prevention in African-American school children" PI; Thematic Interdisciplinary Programs (TIPS) Grant, College of Applied Health Sciences, UIC for "Prevention of metabolic syndrome among low-SES minority schoolchildren" PI; Centers for Disease Control and Prevention (CDC) Center Grant for "Health promotion and disease prevention research centers" Co-PI; The Robert Wood Johnson Foundation for "Rapid anthropometrical assessment procedures for prevention of childhood obesity" Co-PI; and Great Cities Institute Faculty Seed Fund Award, UIC for "Healthy eating promotion among low socioeconomic status schoolchildren in Chicago Public Schools" PI.

FACULTY PERSONAL ACHIEVEMENTS

Rex Gaskins survived a benign brain tumor!

James L. Robinson (emeritus) met with former student, Nicole DeLeeuw (1991-93) in the Netherlands in April 2004. Nicole is now a human cytogeneticist at the University of Nijmegen. Dr. Robinson continues to enjoy his retirement and especially international travel: he and his wife Jan visited Vietnam and Cambodia in September 2003, Costa Rica in January 2004, Europe (England, France, Germany, the Netherlands, and Belgium) in March/April 2004 and Africa (Kenya, Tanzania and Congo) in September 2004.

Arthur J. Siedler (emeritus) continues to enjoy his retirement. He traveled to Alaska to fish for salmon.

THEME: GASTROINTESTINAL PHYSIOLOGY AND NUTRIENT ABSORPTION

Karen Chapman-Novakofski, PhD, Associate Professor, Dept FSHN, UIUC. **“Behavior theory and impact analysis in nutrition education research”**

Cassandra Delgado-Reyes, Nutritional Sciences Graduate Student, **“The effect of high salt intake on betaine-homocysteine S-methyltransferase (BHMT) expression”**

Jeff Woods, PhD, Associate Professor, Dept Kinesiology, UIUC. **“Can exercise improve immune function in the aged?”**

Norman Krinsky, PhD, Scientist, Carotenoids and Health Laboratory, Nutrition and Cancer Biology Laboratory, Jean Mayer USDA HNRCA at Tufts University, Boston, MA. **“Absorption of carotenoids and retinoids”**

Patrick Tso, PhD, Dept of Pathology, University of Cincinnati. **“Regulation of food intake by apolipoprotein AIV”**

Christopher I. Cheeseman, PhD, Department of Physiology, University of Alberta, Edmonton, Alberta, Canada. **“Rapid regulation of intestinal hexose absorption. Just how do hexoses cross the epithelium?”**

Prajeep Dudeja, PhD, Associate Professor, Section of Digestive Diseases and Nutrition, University of Illinois, Chicago. **“Mechanism of short-chain fatty acid absorption in the human intestine”**

Elizabeth Jeffery, PhD, Professor, Dept FSHN, UIUC. **“Critical sulfhydryl groups, diet and cancer prevention”**

Daniel Teitelbaum, MD, Mott Children’s Hospital, University of Michigan, Ann Arbor. **“Cross talk at the mucosal junction. Intestinal intraepithelial lymphocyte - epithelial cell interactions”**

Mark S. Kuhlenschmidt, PhD, Professor, Dept Pathobiology, College of Veterinary Medicine, UIUC. **“Receptor therapy for porcine rotavirus disease”**

Dean Della Penna, PhD, Professor, Dept Biochemistry and Molecular Biology, Michigan State University, East Lansing. **“Can manipulating plant metabolism benefit human health? Vitamin E as an example”**

Keith Singletary, PhD, Professor, Dept FSHN, UIUC. **“Alcohol and breast cancer: Update and mechanisms of action”**

2004 MARS NUTRITION RESEARCH COUNCIL LECTURESHIP

By Robin Allen, M.S.P.H., R.D., L.D.

Bernard R. Chaitman, M.D., Director of Cardiovascular Research at St Louis University School of Medicine and Harold H. Schmitz, Ph.D., Director of Science and External Research for Mars, Incorporated presented the Mars Nutrition Research Council Lectureship series April 6-8, 2004. Drs. Chaitman and Schmitz jointly presented a public lecture entitled “Diet and cardiovascular health: What should doctors recommend and to whom? and How can food science deliver a heart-healthy diet”. Dr. Chaitman presented a separate lecture to area professionals, students and faculty entitled “Impact of nutrition intervention on cardiovascular disease”. Dr. Schmitz presented the lecture “Flavonols for cardiovascular health”.

Dr. Chaitman is board certified by the American Board of Internal Medicine, American Board of Cardiovascular Diseases, and the National Board of Echocardiography. His research interests include nutrition, rest and exercise electrocardiography, drug development, exercise physiology, coronary artery disease, and non-invasive cardiac risk stratification.

Dr. Schmitz has held various positions within Mars in Scientific and Regulatory Affairs, Fundamental Research and Analytical and Applied Sciences. Prior to joining Mars, he was a USDA Research Fellow at North Carolina State University. His research interests include the science related to food production with an emphasis on the metabolism and function of dietary carotenoids and flavonoids in human health and nutrition.

SPRING 2004 SEMINARS
THEME: FRUITS AND BERRIES

Michael J. Plewa, PhD, Professor, Dept Crop Sciences, UIUC. **“Mammalian cell cytotoxicity and genotoxicity of drinking water disinfection by by-products”**

Peter Garlick, PhD, Professor, Dept Animal Sciences, UIUC. **“Regulation of protein synthesis in vivo: Studies with isotopic tracers”**

Gary Comstock, Director, Ethics Program, Professor of Philosophy, North Carolina State University, Raleigh, NC. **“Vexing nature? On the ethical case against agricultural biotechnology”**

James A. Joseph, PhD, Associate Professor, Tufts University, Jean Mayer USDA HNRC, Boston, MA. **“Berryfruit modulation of age-related decrements in neuronal communication and behavior”**

Paul Cooke, PhD, Professor, Dept Veterinary Biosciences, UIUC. **“Identification of two key proteins that regulate establishment of adult adipocyte number”**

Richard B. van Breemen, Professor of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, University of Illinois, Chicago, IL. **“Interactions of botanical dietary supplements with drug metabolizing enzymes”**

Thomas Graves, PhD, Assistant Professor, Dept Veterinary Clinical Medicine, UIUC. **“Pancreatic beta cell calcium regulation in an animal model of naturally-occurring type 2 diabetes mellitus”**

Kajorn Kitiphongspattana, Nutritional Sciences Graduate Student. **“The intracellular redox state of pancreatic B-cells is regulated in an adaptable manner in response to endoplasmic reticulum stress”**

Sharon Donovan, PhD, Director, Nutritional Sciences and Lee Beverly, PhD, Chair, Curriculum Review Committee. **“The New Nutritional Sciences Curriculum”**

Anne Bartholome, Nutritional Sciences Graduate Student. **“Short chain fatty acids and glucagon-like peptide-2 effect on intestinal structure and function”**

An-Chian Chen, Nutritional Sciences Graduate Student. **“Genistein as a modulator of intestinal development”**

Jamie Baum, Nutritional Sciences Graduate Student. **“Dietary protein interactions with glucose homeostasis”**

Michael Horn, PhD, Director, Cell Biology, ProdiGene, College Station, TX. **“The molecular farming of edible vaccines”**

David Albin, Nutritional Sciences Graduate Student. **“Short-chain fatty acids and functional adaptation in the neonatal intestine”**

1969

Mary Jacob Ph.D. retired in May 2004, but continues to teach part-time. She resides in Long Beach, CA (marjacob@csulb.edu).

1970

Matthew Madappally Ph.D. is retired and resides in Vernon Hills, IL (matpally@aol.com).

1971

Melvin Yokoyama Ph.D. is a Professor, Department of Animal Science, Michigan State University, East Lansing, MI (yokoyama@msu.edu).

1972

Race Kao Ph.D. is Professor and Chair of Excellence, Department of Surgery, East Tennessee State University, Johnson City, TN (kao@etsu.edu).

1973

Deborah Engelmam M.S. is retired and resides in Kalamazoo, MI (engelma@hotmail.com).

1976

Florian Cerklewski Ph.D. continues in the College of Health and Human Sciences, Oregon State University, Corvallis, OR (cerklewf@oregonstate.edu).

Guy Johnson Ph.D. is President of Johnson Nutrition Solutions, LLC, a nutrition consulting business in Kalamazoo, MI. He is chair-elect of the IFT Hot Topics Committee; and was appointed to the Nutrition Subcommittee of the FDA Food Advisory Committee. He is having a lot of fun working with friends in the nutrition community (guy@nutritionsolutions.net).

1976

Daniel Schaefer Ph.D. is Professor and Chair, Department of Animal Sciences, University of Wisconsin, Madison. His laboratory discovered that supplementing beef with vitamin E resulted in extending color and life of fresh beef in retail display (schaeferd@ansci.wisc.edu).

1982

Gilbert Boissonneault Ph.D. is a Professor, Department of Clinical Nutrition/Physician Assistant Studies, University of Kentucky, Lexington. He completed the Physician Assistant Program in August 2001 and is in Family Practice, Emergency Medicine and Occupational Medicine. He was appointed Director of the Division of Physician Assistant Studies in October of 2003 (gaboiss@email.uky.edu).

1983

Kenneth Poirier Ph.D. is President of Poirier & Associates, West Chester, OH. (kpoirier@cincinnati.com).

1984

Barbara Kochanowski Ph.D. is Director, Product Safety and Regulatory Affairs, Global Personal Health Care, Procter & Gamble, Mason, OH (kochanowski.ba@pg.com).

1986

Kathryn Harden M.S. & Ph.D. is an Assistant Editor of the Journal of Nutrition (kharden@uiuc.edu).

Anne Smith Ph.D. is Associate Professor, Department of Human Nutrition, The Ohio State University, Columbus. She is the Director of the Didactic Program in Dietetics and is the Spokesperson for the International Food Information Council (smith.23@osu.edu).

1987

Nancy Moriarity Ph.D. is an Associate Research Consultant, Technology (R&D), Frito-Lay, Plano, TX (nancy.moriarity@fritolay.com).

1988

Shelley (Brown) McGuire M.S. is an Associate Professor, Department of Food Science & Human Nutrition, Washington State University, Pullman. She is an Executive Committee member of the International Society for Research in Human Milk and Lactation; is Chair of the ASNS Human Milk and Lactation RIS; and is a member of the program committee and graduate nutrition education committee. Continues on next page.....

1988

Shelley (Brown) McGuire is coauthoring an introductory nutrition textbook with Dr. Kathy Burman entitled: *Nutritional Sciences: An Integrated Approach*, to be published by Wadsworth in the fall of 2007. She has 3 beautiful kids: Emily (12), Grace (10) and Keith (6) (smcguire@wsu.edu).

Melissa Meredith M.S. is an Associate Professor of Medicine, Department of Endocrinology, Diabetes and Metabolism, University of Wisconsin, Madison. She is Director, University of Wisconsin Clinical Diabetes Center and Chairman of the Diabetes Advisory Group, Wisconsin Diabetes Prevention and Control Program (mxm@medicine.wisc.edu).

Melanie Shuran Ph.D. is a Professor, Department of Nutrition, Rosalind Franklin University of Medicine and Science, North Chicago. In May 2004, she was promoted to Director of Distance and Online Education in the College of Health Professions and in charge of distance education activities in the Office of Educational Technology in January 2004 (melanie.shuran@rosalindfranklin.edu).

1990

Samuel Ejadi M.S. is an Oncologist, Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York (ejadis@mskcc.org).

1993

Yolanda Goode M.S. is an Extension Agent/4H Youth Development, Gadsden County, UF/IFAS Extension, Quincy, FL. She currently is the first Vice-President of the Florida Association of Extension 4H Agents and will move to President Elect. She received state recognition for Individual and Team Publications and national recognition for Achievement in Service from the National Association of Extension 4H Agents. She started a business as an Independent Beauty Consultant, Mary Kay (Goode007@hotmail.com).

Courdjo Lamboni Ph.D. is an Associate Professor, Department of Nutrition/Biochemistry, University of Lome, Togo. He became Head of the Department of Nutrition/Biochemistry in April 2004 (rlamboni@yahoo.fr).

1994

Greg Paul Ph.D. is Director, Department of Health, Nutrition and Nutraceuticals, The Solae Company, St. Louis, MO (glpaul@charter.net).

Joan Paul M.S. resides in Kirkwood, MO (joantpaul@charter.net).

Catherine Peterson Ph.D. is an Assistant Professor, Department of Nutritional Sciences, University of Missouri, Columbia (petersonca@missouri.edu).

1995

Jia Yao M.S. resides in Shenzhen, PR China.

1996

Kavita Patel M.S. resides in Spartanburg, SC and enjoys time with her two daughters: Ruhi (6) and Sonia (4) (kpp93prp@charter.net).

1997

Quentin Liu Ph.D./M.D. is a Research Associate, Department of Cell Biology, Harvard Medical School, Boston, MA (quentin_liu@hms.harvard.edu).

Hongyu Teng M.S. is a Staff Anesthesiologist, Resurrection Medical Center, Chicago. He relocated to the west suburbs of Chicago. He has 3 children: Michael (11), Shelly (6) and Christopher (2) (hteng17@hotmail.com).

1998

Tia Rains Ph.D. was recently promoted to Associate Principal Scientist, Nutrition, Kraft Foods, Glenview, IL. She is an Adjunct faculty member at Rosalind Franklin University teaching Medical Biochemistry completely on-line (trains@kraft.com).

1999

Yookyoung Park Ph.D. started a new position in July 2004 as an Assistant Professor, Department Foods and Nutrition, Kyung-Hee University, South Korea (triplets@hitel.net).

2000

Annette (Cole) Boogerd M.S. is a Clinical Dietitian/Diabetes Educator, Primary Care Group, University of Chicago Hospitals (Annette.Boogerd@uchospitals.edu).

Carolyn (Huntington) Buff M.S. is a Research Chemist, Nuclear Reactor, University of Missouri, Columbia. In 2003, she received a Superior Graduate Student Award, Dept. of Animal Sciences and completed her PhD. in Animal Sciences, University of Missouri, in 2004. Carolyn was married in August 2004. (ceh3e8@mizzou.edu).

Beth Flickinger Ph.D. began a new position in March 2004 as a Clinical Scientist, Clinical Research, The Iams Company, Lewisburg, OH. She is a member of ASAS, ASNS, NAASO, and ADA (jflickinger@woh.rr.com).

Lulu Kurman M.S. is an Associate Manager, U.S. Exports and Global Registration, Regulatory and Scientific Affairs, Bristol-Myers Squibb (Mead Johnson Nutritionals) Evansville, IN (lulukurman@yahoo.com).

Deshanie (Ganessunker) Rai Ph.D. is a Senior Discovery Scientist, Mead Johnson Nutritionals, Evansville, IN (deshanie.rai@bms.com).

2001

Mary Dean Coleman M.S. completed her Ph.D. in Nutrition and Exercise, Virginia Tech University in July 2004. She received the Jewel L. Taylor Teaching Award in 2003-2004, a \$5000 fellowship from the Association of the American Family and Consumer Sciences. She currently is a Senior Program Manager of the Macromolecular Interfaces with Life Sciences (MILES), a multidisciplinary program focusing on antioxidant research at Virginia Tech (macolema@vt.edu).

Kasey Heintz M.S. is a Territory Manager, Bioline, USA, Randolph, MA (kaseyheintz@hotmail.com).

Anna Keck Ph.D. is a Visiting Assistant Professor, Department of Food Science and Human Nutrition, University of Illinois, Urbana (akeck@uiuc.edu).

Chu Won Nho Ph.D. is a Senior Research Scientist, Korea Institute of Science and Technology (KIST), Seoul, Korea (cwnho@kist.re.kr).

Sandra Teixeira Ph.D. began a new position as Senior Scientist, Diabetes and Metabolism, Novartis Institutes for BioMedical Research, Inc., Cambridge, MA in June 2004 (steixeir1@yahoo.com).

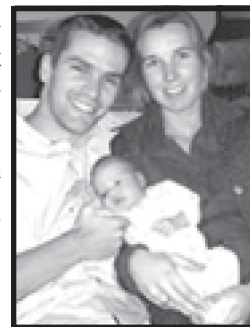
2002

Clint Allred Ph.D. is a Postdoctoral Fellow, Molecular and Biomedical Pharmacology, University of Kentucky College of Medicine, Lexington. He received a Department of Defense 2003 Breast Cancer Research Program Postdoctoral Award entitled: "Defining the molecular actions of dietary fatty acids in breast cancer: Selective modulation of peroxisome proliferator-activated receptor gamma". This is a 3-year grant for which he will serve as principal investigator. (adclin2@uky.edu).

Laura Bauer M.S. is a Research Specialist in Agriculture, Department of Animal Sciences, University of Illinois, Urbana.

She received the 2004 Chancellor's Academic Professional Excellence Award. Recipients are chosen for excellence in the work, personal and professional contributions they make to their fields and the positive impact they have had on colleagues, students and the public (lbauer@uiuc.edu).

Bart Deplancke Ph.D. is a Postdoctoral Fellow, Department Molecular Medicine, University of Massachusetts Medical School, Worcester. Bart and wife, Nele Gheldof (Ph.D. FSHN with Nicki Engeseth) welcomed their son, Jasper Deplancke, on October 2, 2004. He weighed 9 lbs and 2 ozs. (Bart.Deplancke@umassmed.edu).



Weisong He M.S. is a Research Associate, Columbus Children's Research Institute, OH (HeW@pediatrics.ohio-state.edu).

Keri Kles Ph.D. is a Scientific Communications Associate, Eli Lilly Company, Indianapolis, IN. She received the Cellular and Molecular Young Investigator Award at Experimental Biology 2004. She is engaged to be married in July 2005 at a winery in Michigan (keribug75@yahoo.com).

Kelly Swanson Ph.D. is an Assistant Professor, Department of Animal Sciences, University of Illinois, Urbana as of August 2004. Kelly and his wife, Lisa, welcomed their second child Hannah Elisabeth on November 17, 2003 (ksswanso@uiuc.edu).

Lisa Tussing M.S. is a Research Scientist, Department of Human Nutrition, University of Chicago. She began working on her Ph.D. in the 2004 fall semester (ltussing@uic.edu).

2003

Jill (Gorski) Drum M.S. is a Scientist, Research and Development, Haemoscope Corporation, Niles, IL. She married Jeff Drum on May 29, 2004 (jillmdrum@yahoo.com).

Jennifer Seyler M.S. is a Dietitian, Bally Total Fitness Corporation, Chicago, IL. She is a member of ADA and SCAN and was invited to present a talk to the Arthritis Foundation and the Parkland College Local TV Station in Champaign, IL (jseyler@uiuc.edu).

Chris Wharton M.S. is a doctoral candidate, Department of Exercise and Wellness, Arizona State University, Mesa. He is teaching Introductory Nutrition at ASU. He received a travel grant from ASU for ADA's FNCE last year and a travel grant from NIH for the Vitamin D conference. He has published 3 papers in his 1st year of his Ph.D. program (cwharton@asu.edu).

STAFF

Linda Barenthin Division Secretary, has been employed at the University of Illinois for 30 years (July 1, 2004) with 20 of them in the Division as of April 19, 2005 (lbarenth@uiuc.edu).

Each year the Division hosts a reception at the Experimental Biology Meeting. It is a wonderful opportunity for our alumni to network with each other, the faculty and current graduate students in the program.

If you will be attending the EB 2005 meeting in San Diego, CA, please plan to join us at our reception on

**Monday, April 4, 2005
from 7 - 9 PM
Coronado Room
San Diego Marriott
Hotel and Marina**

THANK YOU, ED!

The faculty and students of the Division would like to recognize **Ed Ulman (Ph.D. 1980)** for his generous contribution in support of the Nutritional Sciences Mixer at EB 2004. Ed's support has allowed us to host the reception at the same quality despite the reduced support received by the Division from the University. Thank you, Ed!

ASNS/PROCTER & GAMBLE GRADUATE STUDENT RESEARCH ABSTRACT COMPETITION WINNERS

PAGE 31

Three University of Illinois students were finalists in the American Society for Nutritional Sciences Procter & Gamble Graduate Student Research Abstract Competition at the 2004 Experimental Biology meeting.



Front row, second and third from right are **Hyun-Young Koo** and **Yue Li**, Food Science & Human Nutrition (competition winner finalist). Back row-far right: **Jamie Baum**.

ASNS 2004 AWARD RECIPIENT

Alan Diamond received The E.L.R. Stokstad Award
given for outstanding fundamental research in nutrition, with
preference to scientists at relatively early stages in their careers.



Paul Stokstad, Alan Diamond and Dale Bauman, President ASNS

PHOTO GALLERY FROM EB 2004



Anna Keck, Ph.D. 2001, and
Beth Flickinger, Ph.D. 2000



Director Sharon Donovan, Gilbert Leveille, Cargill,
and Denise Deming, Ph.D. 2001



Kirstie Canene-Adams, doctoral
candidate, Lauren Petr, M.S. 2004, and
Jessica Campbell, doctoral candidate



Faculty Member Elvira deMejia and
Brent Flickinger, Ph.D. 1995



Tristan Kraft, M.D./Ph.D. candidate, Jennifer Seyler,
M.S. 2003, Lilly Sueiro, M.S. candidate, Faculty Member
Mary Ann Lila, Jayne Abraham and Adam Reppert, M.S.
candidates



Anne Kurilich, Ph.D. 2001, and
Radha Bheemreddy, FSHN doctoral candidate



YeWon Cheon and Hyun-
Young Koo, doctoral
candidates, Huaxin Song,
FSHN M.S. candidate and
Kelly Swanson, Ph.D. 2002



Jeff Escobar, Ph.D. Animal Sciences,
Faculty Members Rod Johnson and Jeff Woods



Minnie Holmes McNary, Ph.D. 1994, Faculty Member
Elizabeth Jeffery and Greg Paul, Ph.D. 1994



Xin Wang, Kraft Foods, Ruth Jameson
Coppinger, UIC and Faculty Member
Alan Diamond, UIC

PHOTO GALLERY FROM EB 2004, CONTINUED



Tristan Kraft, M.D./Ph.D. candidate and Lilly Sueiro, M.S. candidate



Pamela Anderson, Ph.D. 1979 and Anne Smith, Ph.D. 1986



Doctoral candidates Hyun Young Koo, YeWon Cheon and Jennifer Jang, M.S. candidate



Jennifer Seyler, M.S. 2003 and Jamie Baum, Ph.D. 2004



Emeritus Faculty Member Willard Visek, Gil Leveille, Cargill, and Emeritus Faculty Member David Baker

Clint Allred, Ph.D. 2002 “The biggest allure of the Division is that it is truly interdisciplinary. I had 4 members on my committee from 3 different departments. Other programs talk about being interdisciplinary, here its more interactive.” Postdoctoral Fellow, University of Kentucky, Lexington, KY

Tracy Gautsch Anthony, M.S. 1995, Ph.D. 1998 “The opportunities to interact with faculty from different disciplines expanded my knowledge base and resulted in lasting contacts who provide me with valuable career advice. These personal/professional associations cannot be overemphasized, no matter what career path is chosen.” Assistant Professor, Indiana University, Evansville, IN

Manuel E. Baldeon, M.D., Ph.D. 1998 “The faculty in Nutritional Sciences have created a program that teaches you to see in every endeavor not a burden, but an opportunity to succeed. This training prepared me for my current position as Professor at a Latin American University.” Universidad San Francisco de Quito, Ecuador

Mary Dean Coleman, M.S., 2001 “The level of excellence that the U of I faculty promote is seen in the classroom as well as their research. The nutrition courses I took at the U of I focused on current topics in nutrition.” Senior Program Manager, Macromolecular Interfaces with Life Sciences (MILES), Virginia Tech University, Blacksburg, VA

Cassandra Delgado-Reyes, Ph.D. 2003 “I looked at 5 schools. The U of I offered the best fellowship package and I liked the atmosphere here.” Postdoctoral Fellow, Georgia Tech and Emory University, Atlanta, GA

Kathryn K. Harden, Ph.D. 1986 “My coursework and research experience as a graduate student in the Nutritional Sciences Program prepared me for my current position that I enjoy and that helps bring the results of nutrition research conducted throughout the world to the scientific community.” Assistant Editor, Journal of Nutrition, Champaign, IL

Vicki Houle, Ph.D. 1997 “I’m a scientific/medical writer for a health communications firm. The multidisciplinary education I received at UIUC has been invaluable. I received a solid education and the skills and training to communicate my knowledge effectively.” Scientific/Medical Writer and Editor, Pro Ed Comm, Beachwood, OH

Guy Johnson, Ph.D. 1976 “DNS has been a great enabler for my career in the nutrition community and is getting better and better—Thank You!” President, Johnson Nutrition Solutions, Kalamazoo, MI

Barbara Kochanowski, Ph.D. 1984 “I never could have imagined how a degree in nutrition would prepare me to work in so many aspects of R&D in industry. The multi-disciplinary aspects of nutrition are analogous to the multi-functional aspects of product development. It takes many skill sets to get the job done.” Associate Director, Oral & Personal Health Care, Healthcare Research Center, Procter & Gamble Co., Mason, OH

Shelley (Brown) McGuire, M.S. 1988 “The years I spent at the University of Illinois formed the basis of my scientific foundation. The mentoring and academic rigor provided in the Division has allowed me to become a successful and contributing scientist.” Associate Professor, Dept FSHN, Washington State University, Moscow, ID

Greg Paul, Ph.D. 1994 “U of I has a reputation as one of the best nutrition programs in the world. My degree opened so many doors to me that wouldn’t have been opened otherwise, especially in the area of soy research. There’s not a better university that you could come from.” Director, Department of Health, Nutrition and Nutraceuticals, The Solae Company, St. Louis, MO

Suzanne Pelletier, M.S. 2002 “Although most students and professors in the Division are involved in different areas of research, there is a strong sense of community and motivation to excel.” Dietetic Intern, Loyola University, Chicago

Tia Rains, Ph.D. 1998 “The Division encourages students to obtain diverse research experiences, leadership opportunities and networking with scientists at national meetings. These experiences, plus the academic excellence of the program, prepared me for a career in the food industry.” Associate Principal Scientist, Nutrition, Kraft Foods, Glenview, IL

Kelly Swanson, Ph.D. 2002 “One of the most rewarding aspects of my graduate education is the interest shown in my work by the pet food and related industries.” Assistant Professor, Department of Animal Sciences, University of Illinois

Lisa Tussing, R.D., M.S. 2002 “Graduate work at the U of I helped me to grow and develop confidence as a professional.” Research Specialist, University of Illinois, Chicago

**Division of Nutritional Sciences
College of Agricultural, Consumer
and Environmental Sciences
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