

NUTRITIONAL SCIENCES NEWS

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

Vol 16, Fall 2003

NOTE FROM THE DIRECTOR

It is a pleasure to provide this update on the activities of the Division and the achievements of our faculty, students and alumni. We continued to be faced with tough budgetary choices in 2003. With the guidance of the Executive Committee, I was required to reduce or eliminate support for some Division activities, however, these decisions were made with the goals of maintaining the high quality of our program and protecting our core mission of training the future leaders in our discipline. However, the interest from our Endowment Fund was a key factor that enabled us to maintain the quality of our program. These funds have been crucial in filling the gap created by the 25% reduction in on-campus support for the Division. For this reason, I am asking our alumni to consider contributing to the Nutritional Sciences Endowment Fund this year. Fewer than 20% of our nearly 300 alumni have participated in the endowment initiative. On page 8, I have outlined ways in which you can contribute. Any level of support would be greatly appreciated!



In 2003, we celebrated the 35th Anniversary of the Division of Nutritional Sciences. I believe that the Division is as strong and vibrant as anytime in our history. We continue to expand in terms of faculty and student numbers and the diversity of our faculty members. This year, we added six new faculty members from three different colleges on the Urbana and Chicago campuses. The Division is now comprised of 53 faculty members representing 18 different departments in 8 colleges. I am very pleased to report that Dr. Peter Garlick has been recruited to the Department of Animal Sciences in the Faculty Excellence line held by Dr. Peter Reeds until his untimely death in August 2002. Dr. Garlick will bring expertise in protein and amino acid metabolism and stable isotope methodology. As many of you may be aware, Peter Reeds and Peter Garlick were close friends and colleagues and we are very pleased that Dr. Garlick will be applying for membership in the Division.

The Division conferred 12 degrees between October 2002 and May 2003 and our newest alumni continue to garner excellent post-graduate positions. We are *extremely* pleased with our recruiting class. Nineteen new graduate students joined the Division between January and August 2003. These students represent some of the top applicants to nutrition programs in the country and many are recipients of our NIH and USDA fellowships. Based on suggestions from the External Advisory Committee, we increased our number of international students, admitting 8 from 6 different countries. We now have 48 graduate students, which is the highest in the past decade. We recently completed a review of our curriculum using the guidelines in the article published by the ASNS Graduate Nutrition Education Committee entitled "Securing the future of nutritional sciences through integrative graduate education" (J. Nutr. 2002 132:779-84). The curricular changes will provide greater coursework flexibility, while ensuring core nutrition knowledge and providing state-of-the-art course offerings in genomic and post-genomic applications to nutrition.

The Nutritional Sciences faculty, alumni and students were once again well represented at the ASNS Awards ceremony at EB 2003. Kelly Tappenden was the recipient of the 2003 Bio-Serv Award and David Baker received the 2003 Dannon Mentorship Award. Two of our alumna were also awardees: Tracy Gautsch Anthony was the first recipient of the Peter Reeds Young Investigator Award and Lee Alekel received the 2003 Mead Johnson Award. Current graduate student An Chen was a finalist in the ASCN Young Investigator Competition and Jamie Baum received the ASNS Cargill Predoctoral Fellowship. It is extremely gratifying to be associated with such a distinguished group of colleagues.

On the personal front, I am planning a 6 month sabbatic leave from June to December 2004. During that time, an Acting Director will be appointed. I wish you all a personally fulfilling and professionally successful 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.

Page 1.....	Note from the Director
Page 2.....	Division Web Site and Alumni Placement
Page 3.....	2002-03 External Advisory Committee Members
Page 4-6.....	35th Anniversary of the Division
Page 7.....	Kraft Foods Human Nutrition Endowment
Page 8.....	Nutritional Sciences Endowment
Page 9-10.....	New Graduate Students
Page 11.....	Recent Alumni
Page 12.....	Student Fellowships and Margin of Excellence Awards
Page 13.....	2003 Baker and Robinson Awards
Page 14-15.....	Student Awards and Achievements; Internship
Page 16-18.....	NSGSA News & Events (Picnic, Holiday Party)
Page 19-20.....	2003 Nutrition Symposium
Page 21-23.....	New Faculty
Page 24.....	NSGSA Faculty Award; Endowed Chairs
Page 25-26.....	Faculty Awards, Achievements, Professional Service
Page 26-27.....	Faculty Research Strides
Page 27-28.....	Faculty Invited Talks
Page 29.....	Faculty Personal Achievements; 2003 ASNS Awards
Page 30-31.....	Fall 2002 Seminar; 2003 Mars Nutrition Lectureship
Page 31.....	Spring 2003 Seminar; Future Leader Awards
Page 32-34.....	Alumni News & E-mail Addresses
Page 35.....	Stay Connected with Alumni; Missing Alumni
Page 36.....	Who Am I?
Page 37-39.....	Photo Gallery from EB 2003
Page 39.....	Answers to Who Am I?

**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 would appreciate if you would 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 2001, 1998, 1993, 1988...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, however, the Director updates the EAC and solicits their advise throughout the year. 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, Director, Medical and Regulatory Affairs, Ross Products Division, Abbott Laboratories, Columbus, OH. Current Term 2001-2004.

Dr. Robert A. Burns, Research Fellow, Nutrition Sciences, Mead Johnson Nutritionals, Evansville, IN. Current Term 2003-2006.

Dr. Gail L. Czarnecki-Maulden, Senior Research Nutritionist, Nestle Purina Product Technology Center, St. Joseph, MO. Current Term 2003-2006.

Dr. Mark L. Failla, Chair and Professor, Department of Human Nutrition, Ohio State University, Columbus, OH. Current Term 2001-2004.

Dr. John W. Finley, Kraft Research Fellow, Kraft Foods, Glenview, IL. Current Term 2001-2004.

Dr. Samuel G. Kahn, Senior Health-Nutrition Advisor, Office of Health, Infectious Diseases and Nutrition, Bureau for Global Health, USAID, Washington, DC. Current Term 2003-2006.

Dr. Barbara A. Kochanowski, Associate Director, Oral and Personal Health Care, Healthcare Research Center, Procter & Gamble Co., Mason, OH. Current Term 2001-2004.

Dr. Gilbert A. Leveille, Vice President of Technology, Food System Design, Cargill, Minneapolis, MN. Ad Hoc.

Dr. Eric L. Lien, Vice President, Nutritional R&D, Wyeth-Ayerst Global Pharmaceuticals, Collegeville, PA. Current Term 2003-2006.

Dr. Luis A. Mejia, Director, Regulatory and Scientific Affairs, Archer Daniels Midland Company, Decatur, IL. Current Term 2002-2005.

Dr. Alfred H. Merrill, Jr., Smithgall Chair in Molecular Cell Biology, Department of Biology, Georgia Institute of Technology, Atlanta, GA. Current Term 2000-2003.

Dr. Susan M. Potter, Global Director, Health and Nutrition, The Solae Company, St. Louis, MO. Current Term 2002-2005.

Dr. Connie M. Weaver, Distinguished Professor and Head, Dept of Foods & Nutrition, Purdue University, West Lafayette, IN. Current Term 2002-2005.



Presenters at the EAC meeting in September 2003
 Brian Berg (PhD candidate), Ellen Evans (Assistant Professor),
 and Jamie Baum (PhD candidate)

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

THE DIVISION OF NUTRITIONAL SCIENCES

35 YEARS AND GOING STRONG

1968-2003

HISTORICAL TIMELINE:

- 1965:** Ad hoc committee formed to examine needs and opportunities for graduate nutrition training at UIUC
- 1968:** On December 2nd, the Illinois Board of Higher Education approves the formation of the Nutritional Sciences Program
- 1968 -1974:** Harold Draper, Chairman of Nutritional Sciences
- 1974 - 1977:** Patricia V. Johnston, Chairman of Nutritional Sciences
- 1977 - 1981:** Arthur J. Siedler, Chairman of Nutritional Sciences
- 1978:** On August 29th, the Administrative structure changed from Program to Division of Nutritional Sciences with a Director as its administrative head
- 1978:** National Search for New Director
- 1981 - 1989:** John A. Milner, Director of Nutritional Sciences
- 1989 - 1999:** John W. Erdman, Director of Nutritional Sciences
- 1999-current:** Sharon M. Donovan, Director of Nutritional Sciences



Patricia V. Johnston
Chair, 1974-1977



Recollections from A.J. Siedler, Chair 1977-1981: I was named Department Head of Food Science in March 1972, Harold Draper was Chair of the Nutritional Sciences Program and Pat Johnston became Chair following Draper's departure in 1974. The Nutritional Sciences research and graduate program were a major and vital component of Food Science, thus, the Department made a commitment to support the Nutritional Sciences Program. During this time, the School of Basic Medical Science was developing a 4-year MD degree granting program and I was a member of the Steering Committee. It was proposed that our strong nutrition activity would give a new MD program an emphasis in Clinical Nutrition as well as in the combined MD/PhD degree. I suggested Dr. Willard Visek as a candidate for the new position in Clinical Nutrition, which he accepted. At Willard's request, the Food Science department offered him a part-time appointment as a member of the Nutritional Sciences Program.

In 1978, O.G. Bentley, who was then dean of the College of Agriculture, with the support of G.W. Salisbury, Director of the Agricultural Experiment Station, and Dan Bloomfield, Dean, School of Clinical Medicine, changed the Program structure to a Division with a Director as leader. I was appointed Acting Director by the Dean until a Director was recruited. After an unsuccessful national search, John Milner was appointed Director of the new Division in 1981. It should be recognized that the early and continuing support of the Deans of the College of Agriculture (now ACES), the School of Clinical Medicine (now College of Medicine), and the Directors of the Experiment Station (now Office of Research) were instrumental in the development of the Division of Nutritional Sciences.



Recollections from J.A. Milner, Director 1981-1989: I am truly honored to reflect on the Division of Nutritional Sciences during those years in which I had the privilege of serving as the Director. Undeniably, the early part of that decade was tumultuous at best. Uncertainties about the future of the Division as an academic entity were compounded by the loss of a NIH Training Grant, which was considered by some as the glue that had been holding the nutrition group together for almost 8 years, and by the inability to recruit a Director for the Program. While it might have been easy to turn out the lights and close the door (as some thought would occur) the resilience of those in the Division quickly surfaced. I suspect the enormous pride in being part of a program with a solid and historic basis of excellence was a critical element in what some might call the resurrection of the Division. Regardless, while many surfaced as champions of the Division, some of those that deserve special accolades are Drs. Art Siedler, Patricia Johnston, Carl Davis, David Baker,

Jim Robinson and Willard Visek. During 1981-89 we saw a sizable increase in the involvement of faculty from various colleges in the day to day activities of the Division. Particularly noteworthy was the expansion of linkages with the medical community. Their expanded involvement greatly assisted in recruiting some truly exceptional students within the joint PhD/MD program and the development of a clinical focus within the Division. Two individuals who in my opinion have never received adequate credit for being true advocates for the Division are the former Dean of the College of Agriculture, John Campbell and the Associate Dean of the College of Medicine, Dan Bloomfield. I look back and wonder how we managed to work successfully with so many Deans, but again believe it was because of their pride in having their faculty involved with a program that was not only scientifically sound, but had societal implications for the development and health for both animals and humans. The early 80's also saw the beginning of the External Advisory Committee for the Division. Wow, do I recall the trials and tribulations of holding the first few meetings with such a prestigious group of advisors. I credit those on the External Advisory Committee for truly forcing the Division to examine how best to proceed in maintaining and enriching its national and international nutrition preeminence. Some of those that deserve special recognition for their early commitments on the Committee are Drs. Gil Leveille, Bruce Stillings, and James Kirk. I remember receiving a number of calls in those days asking how we had managed to put together such a prestigious team. My personal view is that again the reputation of the campus for excellence in nutrition made it an exciting opportunity. Delightfully the same rapport exists today. The impressive endowment support certainly points to the respect the outside community continues to have for the accomplishments and future goals of the Division. I would be remiss if I also did not mention the students that I had the pleasure of recruiting; well at least admitting. The almost doubling of students in the Division during the 80's created some special challenges but more importantly special opportunities to expand its research program on many fronts. Likewise, the expansion of the Graduate Student Association allowed for their greater involvement in moving the Division forward. One must be impressed with the number of high quality students that one meets throughout the world who were associated with the Division. Our pride in these next generations of scholars is an understatement. Finally, I must mention one of the true mainstays of the Division, Ms. Linda Barenthin. Although her dedication to the Division can not be questioned, it is her warm, friendly and caring style in juggling day-to-day activities that has made the Division what it is, namely a unit of scholarship and accomplishments. Take a moment to thank her for all she continues to contribute to the Division.

Recollections from J.W. Erdman, Jr., Director 1989-1999: As many in academia would attest, administrative appointments are not usually very much fun nor very rewarding. As I reflect back on my time as Director, I can sincerely say that I am honored and pleased to be part of such an outstanding program, and it was a very rewarding personal experience. John Milner really transformed Nutritional Sciences, largely a College of Agriculture focus, to a campus and university wide (bringing in the Chicago campus) program. The DNS remains today the premier U of I campus-wide interdisciplinary graduate program. Moreover, it is one of the top two to three Nutritional Sciences program in the nation. The most enjoyable aspect of my time as Director was the recruitment and mentoring of the outstanding students. We always have, and continue to be, successful in attracting talented and successful students. What a joy it is to see students mature and advance in their careers. I had a great deal of help during my tenure as Director. First, I want to recognize and thank Linda Barenthin, who has been the glue holding the Division together under three directors. In addition, both the External Advisory and Executive Committee members, all busy volunteers, were essential to the success of the Division. Several faculty, including Jim Robinson, Dave Baker, Sharon Donovan, and George Fahey were especially helpful. Of great importance was the loyal support of the deans of the colleges and department chairs. This is a great University that fosters science and learning and does not allow unit boundaries to limit excellence. This attitude continues despite the current very difficult financial stress. Sharon Donovan has taken the DNS to the next level and the future looks very bright with 19 new students this year, training grants and the endowment fund from Kraft. I am proud to have been a part of molding and managing the DNS.



35 YEARS AND GOING STRONG SEPTEMBER 12, 2003

The Division combined the 35th Anniversary Celebration with the annual External Advisory Committee Reception at Dr. Sharon Donovan's home on September 12, 2003.

The event was attended by eighty faculty, graduate students, EAC members and administrators. A good time was had by all.



Kirby Barrick (Associate Dean, ACES), Eric Lien (EAC member), and John Erdman (FSHN)



External Advisory Committee members, faculty, students and emeriti attended this year's reception



Kelly Tappenden (FSHN) and Marion Reeds



Gail Czarnecki-Maulden (EAC member), David Baker (Animal Sciences), and Art Siedler (FSHN)



Marcela Araya-Roldan (NS student) and Linda Barenthin



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 of Nutritional Sciences, and unrestricted support for the Division has been received. Future funding will complete the commitment and will endow the Kraft Endowed Chair.

The 2003 Kraft Undergraduate Scholars are highlighted at the right and **Lilly Sueiro**, our first Kraft Human Nutrition Graduate Fellow, is highlighted below.

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

Kraft Undergraduate Scholars

The Department of Food Science and Human Nutrition has selected the following undergraduate students to receive a \$1,200 Kraft Scholarship for the 2003 academic year.

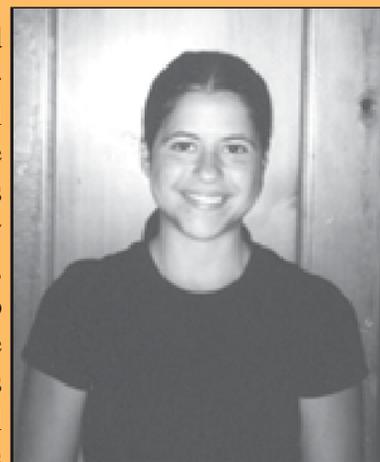
Ashley Davis is a Sophomore, majoring in Human Nutrition.

Jennifer Allen is a Senior, majoring in Food Industry and Business.

Lisa Omueti is a Senior, majoring in Food Science.

Kraft Human Nutrition Graduate Fellow

Lilly Sueiro grew up in Puerto Rico near the capital, San Juan. She completed her bachelors degree in Nutrition and Dietetics at the University of Puerto Rico-Rio Piedras Campus in 2003. As an undergraduate, she collaborated on several research projects. Lilly's research experience began in 2001 by analyzing the dietary intakes, anthropometric measurements and life patterns of the inhabitants of the Vieques Island and identifying if they were maintaining an adequate dietary intake using the Food Guide Pyramid as a reference. During the summer of 2002, she completed a research internship at Rutgers University where her role was to determine the percentage of dextran sulfate sodium needed to induce ulcerative colitis in an animal model in order to investigate green tea and curcumin as chemopreventive agents. Lilly returned to the University of Puerto Rico-Medical Science Campus where she conducted research in the biological activities of medicinal plant extracts from Ecuador. She used a number of bioassays including brine shrimp lethal toxicity (BSLT); antioxidant capacity inhibition of beta glucosidase and xanthine oxidase activities. Those findings were published in the Puerto Rico Health Science Journal. Lilly entered the Nutritional Sciences graduate program in August 2003 under the supervision of Dr. Mary Ann Lila. The focus of her research is identifying the bioactive properties of elderberry and chokeberry as chemopreventive agents.



"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."

NUTRITIONAL SCIENCES ENDOWMENT CONTRIBUTORS

JULY 2002 - OCTOBER 2003

The following individuals or corporations have made contributions to the Endowment Fund between July 2002 to October 2003. A complete list of donors since our endowment initiative began in 2000 can be found on our web page: <http://www.nutrsci.uiuc.edu/endowment_fund/donors.html> **Thank you for your support!**

Anne Bartholome	H. Rex Gaskins	Robert Nesheim	Corporate Contributions & Matches
Margaret Brickey	Guy H. Johnson	Mulchand S. Patel	
James L. Burns	Barbara A. Kochanowski	Kenneth Poirier	
Tracy Tasker Chivari	Donald K. Layman	Darla Simpson Hall	
Steven K. Clinton	Gilbert A. Leveille	Edward Ulman	
Sharon M. Donovan	Mary K. Mihelich	Brian C. Wansink	
John W. Erdman, Jr.	Carol & Wayne Muskievicz	Neil R. Widlak	
Elizabeth Fippen	Manabu T. Nakamura	Xiangfeng Zhang	

Giving Opportunities

Fewer than 20% of our nearly 300 alumni have participated in the endowment initiative. We could really use your support at this difficult budgetary time! There are a number of ways in which to participate. You can choose to donate to our unrestricted Endowment Fund or to 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 Fellowship for Excellence in Research*

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.

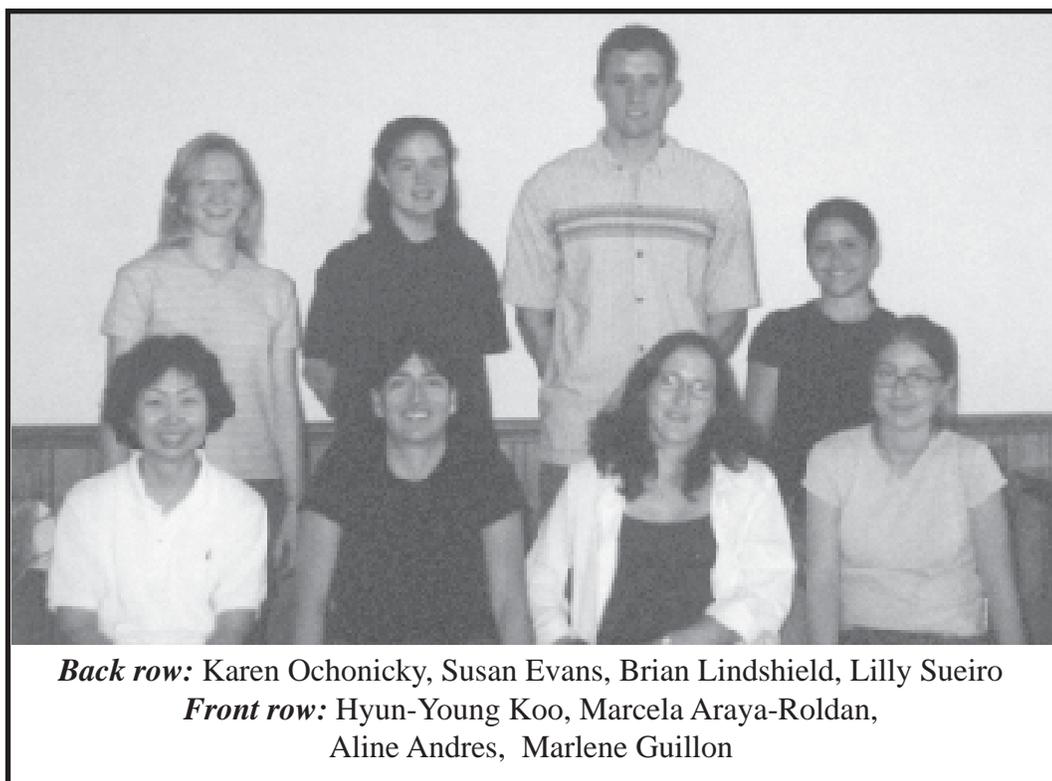
A major goal is to establish 5 endowed graduate fellowships; we already have 2 through the Kraft Endowment. Currently, the Provost will match the interest off the endowed fellowship account so that it only requires \$150,000 to endow a named graduate fellowship rather than \$300,000. If you or your company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

Spring 2003

Aline Andres, Ph.D. candidate, B.S. 2001 and M.S. 2001 in Agriculture, Ecole Superieure d'Agriculture de Purpan, Toulouse, France. *Advised by Sharon Donovan.*

Marcela Araya-Roldan, Ph.D. candidate, B.S. 2001 and M.S. 2002 in Chemistry, University of Costa Rica. *Advised by Elizabeth Jeffery.*

Hyun-Young Koo, Ph.D. candidate, B.S. 1995 and M.S. 1997 in Molecular Biology, Pusan National University, Korea. *Advised by Manabu Nakamura.*

**Summer 2003**

Susan Evans, M.S. candidate, B.S. 2001 in Biology, University of Utah. *Advised by Timothy Garrow.*

Marlene Guillon, M.S. candidate, B.S. 2002 in Nutrition, Institute National Agronomique, Paris, France. *Advised by Lee Beverly.*

Brian Lindshield, M.S. candidate, B.S. 2003 in Human Nutrition, Kansas State University. *Advised by John Erdman.*

Karen Ochonicky, Vet Med Scholar and M.S. candidate, B.S. 2003 in Animal Sciences, UIUC. *Advised by Sharon Donovan.*

Lilly Sueiro, M.S. candidate, B.S. 2003 in Nutrition and Dietetics, University of Puerto Rico. *Advised by Mary Ann Lila.*

Fall 2003

Jayne Abraham, M.S. candidate, B.S. 2003 in Biology, UIUC. *Advised by Rodney Johnson.*

Jessica Alwerdt, Ph.D. candidate, B.S. 2000 in Biology, Eureka College; M.S. 2003 in Plant Biology, Southern Illinois University. *Advised by Mary Ann Lila.*

Meredith Barnes, M.D./Ph.D. candidate, B.S. 2003 in Nutritional Sciences, Michigan State University. *Advised by Lee Beverly.*

Marcela Cortes, Ph.D. candidate, B.S. 1997 in Biochemical Engineering, Institute Tecnologico de Acapulco, Mexico; M.S. 2000 in Food Technology, University of Auto Queretaro, Mexico. *Advised by Elvira deMejia.*

Marija Gajic, M.S. candidate, B.S. 2001 in Pharmacology, University of Belgrade, Serbia. *Advised by John Erdman.*

Jennifer (SaeByeol) Jang, Ph.D. candidate, B.S. 1999 in Biological and Food Technology; M.S. 2001 in Medical Bioscience, Catholic College, Seoul, Korea. *Advised by Rodney Johnson.*

Tristan Kraft, Ph.D. candidate, B.S. 2001 in Botany, Miami University, Ohio; M.S. 2003 in Natural Resources and Environmental Sciences, UIUC. *Advised by Mary Ann Lila.*

Mina Mojtahedi, Ph.D. candidate, B.S. 2002 in Physiology, University of Helsinki, Finland; M.S. 2003 in Nutritional Sciences, University of Helsinki, Finland. *Advised by Ellen Evans and Carol Braunschweig.*

Jill North, Ph.D. candidate, B.S. 1998 in Dietetics, UIUC; M.S. 2003 in Food Science and Human Nutrition, UIUC. *Advised by Brian Wansink.*

Adam Reppert, M.S. candidate, B.S. 2002 in Nutritional Sciences, University of Wisconsin. *Advised by Mary Ann Lila.*

Chad Stroud, Ph.D. candidate, B.S. 1998 in Chemistry, Southern Illinois University; M.S. 2003 in Education, Southern Illinois University. *Advised by Manabu Nakamura.*



Back row: Jennifer Jang, Chad Stroud, Adam Reppert, Marcela Cortes, Meredith Barnes, Jayne Abraham

Front row: Jill North, Tristan Kraft, Marija Gajic, Mina Mojtahedi

October 2002

Weisong He, M.S. Current Position: Senior Research Technician, Ben May Institute for Cancer Research, University of Chicago, Chicago, IL. *Advised by Manabu Nakamura.*

Fernanda Mateos, M.S. Current Position: Educational Psychology, Cooperative Extension, University of Illinois, Urbana, IL. *Advised by Sharon Donovan.*

Suzanne Pelletier, M.S. Current Position: Dietetic Internship, Loyola University Hospital, Chicago, IL. *Advised by Clare Hasler.*

December 2002

Clinton Allred, Ph.D. Current Position: Postdoctoral Fellow, Department of Molecular & Biomedical Pharmacology, College of Medicine, University of Kentucky, Lexington, KY. *Advised by William Helferich.*

Laura Bauer, M.S. Current Position: Research Specialist, Department of Animal Sciences, University of Illinois, Urbana, IL. *Advised by George Fahey.*

Keri Kles, Ph.D. Current Position: NIH Postdoctoral Fellow, Gastroenterology, University of Chicago Medical Center, Chicago, IL. *Advised by Kelly Tappenden.*

Sara Painter, M.S. Current Position: Dietitian, Crusader Clinic, Rockford, IL. *Advised by Tim Garrow.*

Lisa Tussing, M.S. Current Position: Research Specialist, NIH Childhood Obesity in the African American Population, Department of Human Nutrition, University of Illinois, Chicago, IL. *Advised by Karen Chapman-Novakofski.*

Xiangfeng Zhang, M.S. Current Position: Doctoral candidate in Nutritional Sciences, University of Illinois, Urbana, IL. *Advised by Jan Novakofski.*

May 2003

Justine Olsen, M.S. Current Position: Clinical Dietitian, Provena United Samaritans, Danville, IL. *Advised by Karen Chapman-Novakofski.*

Christopher Wharton, M.S. Current Position: Doctoral candidate in Curriculum and Instruction, Department of Exercise and Wellness, Arizona State University, Mesa, AZ. *Advised by Elizabeth Jeffery and John Erdman.*

Susan Zaripheh, M.S. Current Position: Doctoral candidate in Nutritional Sciences, University of Illinois, Urbana, IL. *Advised by John Erdman.*

2002-2003 FELLOWSHIP RECIPIENTS

JBT Fellowship

Anne Bartholome
Kirstie Canene-Adams
Cheryl Dikeman
Jessica Hartke

University Fellowship

Lauren Petr
Jennifer Seyler

NIH Fellowship

Predoctoral
Kajorn Kitiphongspattana

Postdoctoral
Jonathan Godbout



Sharon Donovan, Kajorn Kitiphongspattana,
Jessica Hartke, Kirstie Adams and
Anne Bartholome

2002-2003 MARGIN OF EXCELLENCE AWARDS

Travel Awards***Fall 2002***

Jamie Baum
An Chen

Spring 2003

Dave Albin
Anne Bartholome
Alejandra Gratson
Jennifer Seyler

2003***Research Awards***

Pascasie Adedze
Dave Albin
Aline Andres
Anne Bartholome
Jamie Baum
An Chen
Coryn Commare

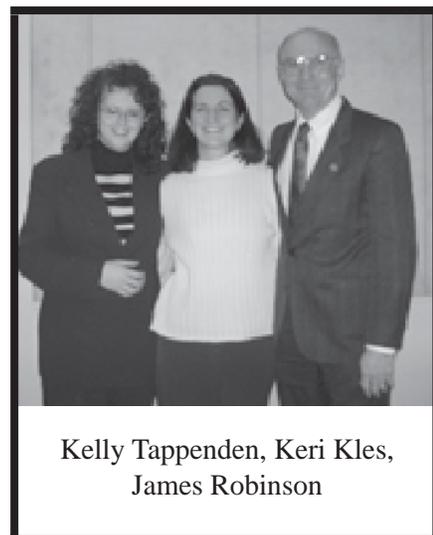
***Research Awards,
continued***

Nancy Correa-Matos
Jill Gorski
Jessica Hartke
Kajorn Kitiphongspattana
Ren Stephen
Jennifer Seyler
Xiangfeng Zhang

On January 22, 2003, the first recipients of the Baker and Robinson Graduate Student Awards were announced. The awards were established by Drs. Baker and Robinson in the UI Foundation (UIF) as part of the endowment initiative.

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 displayed outside the Division office in Bevier Hall.



Dave Albin received a travel scholarship based on quality of abstracts by the Digestive Physiology in Pigs Organizing Committee; and a Gamma Sigma Delta Professional Development Award.

Anne Bartholome completed a 12-week Industry Internship at Mead Johnson Nutritionals in Evansville, IN as a Discovery Intern in Global Research and Development (see page 15 for more information); received a Graduate College Conference Travel Award; and presented "Intestinal epithelial proliferation and villus height increased by short-chain fatty acid supplemented total parenteral nutrition following 80% jejunioleal resection in piglets" at the 2003 Experimental Biology meeting. She became a member of Gamma Sigma Delta Honor Society of Agriculture, UIUC; and passed her Preliminary Examination in March, 2003, Congratulations!

Jamie Baum was invited to present her research at the St. Jude Children's Hospital Graduate Student Research Symposium in Memphis, TN in May. At EB 2003, she received a Graduate Student Abstract Award from the ASNS Energy and Macronutrient Metabolism Research Interest Section.

Kirstie Canene-Adams was married June 14, 2003 to David Adams, a graduate student in Mechanical Engineering at UIUC.

Coryn Commare is a member of the American Dietetic Association and the American Society for Nutritional Sciences. She completed the UIUC dietetic internship to become a registered dietitian in December, 2003.

Cassandra Delgado-Reyes received a NIDDK Minority Travel Fellowship from the American Physiological Society.

Cheryl Dikeman is a member of the Comparative Nutrition Society and the American Society of Animal Science. Her research focuses on determining appropriate methods to measure viscosity of intestinal contents and the effect of increasing intestinal viscosity via various fiber substrates on glucose response and nutrient utilization. Cheryl and her husband, Mark, celebrated their first anniversary in March 2003.

Jessica Hartke serves as the NSGSA chair from summer 2003 through summer 2004; and served as a Graduate Student Senator in the Urbana-Champaign senate (2002-2003). She attended the National American Society of Animal Science meeting in Phoenix, AZ and presented "Effect of a short-term fast on intestinal disaccharidase activity and villus morphology in piglets suckling insulin-like growth factor-I (IGF-I) transgenic sows" and "Intestinal growth and development in piglets suckling insulin-like growth factor-I (IGF-I) transgenic sows."

Lauren Petr is a member of the American Dietetic Association and the American Society for Nutritional Sciences. Lauren received a grant from BASF to study carotenoids in the prevention of cardiovascular disease.

Karen Plawecki was selected President-Elect for 2003-04 and will then serve as President for 2004-05 for the Illinois Dietetic Association.

Lilly Sueiro graduated Magna Cum Laude from the University of Puerto Rico, 2003 and in September, her undergraduate research was published in the Journal of Puerto Rican Health Sciences. She participated in the 2003 Summer Predoctoral Institute (SPI) on the UIUC campus.

Kenya Thomas and Judson Allen (senior in FSHN) received a second place award in the product development competition for the Minorities in Ag Research and Related Sciences (MARRS). Kenya and Judson, advised by Barbara Klein, developed a soy-based candy to help introduce soy to a minority market that is unfamiliar with soy.

An Chen (below): competed in the American Society for Clinical Nutrition Young Investigator Award Competition at the 2003 Experimental Biology meeting.



An Chen, Dale Schoeller, ASCN Incoming President and Robert Russell, ASCN President

Jamie Baum (below): received an American Society for Nutritional Sciences Predoctoral Fellowship sponsored by Cargill at the 2003 Experimental Biology meeting.



Jamie Baum and Gilbert Leveille representing Cargill

GRADUATE STUDENT INTERNSHIP EXPERIENCE

Anne Bartholome (Ph.D. candidate) spent the 2003 summer as an intern at Mead Johnson Nutritionals, Evansville, IN in Global Research and Development working with Discovery and Nutrition Sciences. During the 12 week internship, she was involved with a variety of projects from early discovery work including scientific review and evaluating potential business cases to providing scientific support for products currently in the market and educating consumers through product websites. Anne worked both independently and as a member of a team contributing to the science, regulatory, legal, marketing and product development issues surrounding a variety of products and potential products. Her mentor was Bob McMahon in Discovery who facilitated projects and meetings that allowed for an opportunity to be exposed to and gain insight into the industry side of nutrition while interacting with a variety of areas in Research and Development.



Anne originally learned about the potential of an internship from an email from Dr. Robbie Burns at Mead Johnson Nutritionals which was forwarded from the Division office; she replied to the email inquiring about the details of the internship. Anne then attended the Mead Johnson Nutritionals information night and the following day interviewed with Dr. Josh Anthony (M.S. 1998) from Mead Johnson Nutritionals.

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.

2003 Officers

Chair.....Jessica Hartke

Treasurer.....Ren Stephen

Secretary.....Aline Andres

Executive Committee Representatives.....Jamie Baum and Jessica Alwerdt

Co-Chair.....Kirstie Canene-Adams

Co-Treasurer.....Adam Reppert

Webmaster.....Meredith Barnes

QUIZ BOWL - OCTOBER 2002

**Team Wallig**

Pascasie Adedze, Nate Matusheski,
Dr. Matt Wallig, Chris Wharton, and
Cassandra Delgado-Reyes

**Team Garrow**

Nancy Correa-Matos, Peter Steinfelds,
Dr. Tim Garrow, Catherine Miller, and
Jennifer Seyler

**Team Nakamura**

Dr. Mani Nakamura, Anne
Bartholome, Susan Zaripheh, Radha
Bheemreddy, and Jill Gorski

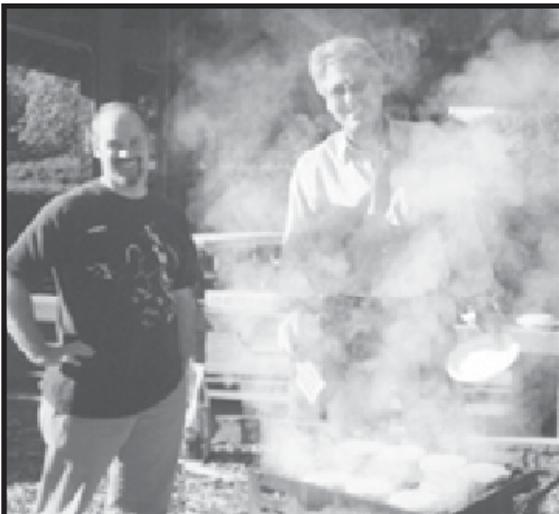
**Team Novakofski**

Jessica Hartke, Kristin Stewart,
Dr. Jan Novakofski, Lauren Petr,
and Alejandra Gratson

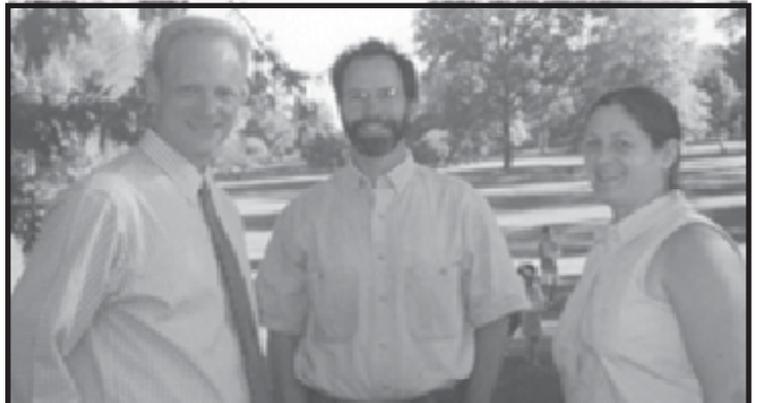
On September 5, 2003 graduate students, faculty and their families enjoyed a picnic in Hessel Park. The picnic served as a welcome for our 19 new graduate students as well as a fun time for faculty and students to celebrate the beginning of a new academic year.



Anne Bartholome, Jen Wubben,
Dave Albin, and Dave Falk



Tim Garrow and Larry Schook



Brian Wansink, Rex Gaskins, and wife, Laurie Rund



Tristan Kraft, Sharon Donovan,
and Brian Berg



Graduate students enjoying the food!



Kelly Tappenden,
Trevor and
Madeline Nadrozny,
Pat Schafer,
Katie Nadrozny



Marcela Cortes, Marco Ramirez,
Nancy Correa, Torbert Rocheford



Lauren Petr,
Jessica Alwerdt,
Lilly Sueiro,
Jayne Abraham,
Jennifer Jang,
Adam Reppert,
Tristan Kraft



Kirstie and Dave Adams,
Jessica Hartke, Brian Lindshield



Lucila Mejia,
Elvira deMejia,
Luis Mejia, and
Alejandro Ulloa



Trisha Toepfer and Brian Berg



Kristin Stewart, Mark Harris, Greg and Alejandra
Gratson, Marcela Araya-Roldan, Marian Eberhart,
Jennifer Seyler



Keith Singletary, Chad Stroud, Yewon
Cheon



John Erdman and
Linda Barenthin

Segametsi Maruapula
and Pascasie Adedze



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. Joanne Slavin, Ph.D., R.D., Department of Food Science and Nutrition, University of Minnesota, who presented “Ten Apples a Day Keep the Doctor Away: New Fiber Recommendations”.



POSTER PRESENTATIONS

“Vitamin E attenuates lipopolysaccharide (LPS) induced sickness behavior in mice” **Brian Berg** (Advisor: Rodney Johnson)

“Anti-proliferation effects of tomato polyphenols in cancer cell lines” **Jessica Campbell** (Advisor: John Erdman)

“Betaine-homocysteine S-methyltransferase (BHMT) is regulated by tonicity *in vivo*” **Cassandra Delgado-Reyes** (Advisor: Tim Garrow)

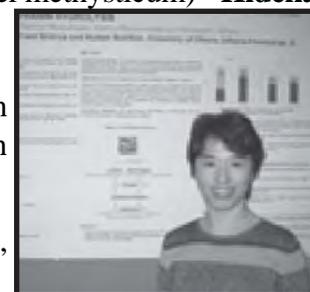
“Cloning and expression of the human choline dehydrogenase cDNA” **Alejandra Gratson** at right (Advisor: Tim Garrow)



“Effect of a short-term fast on intestinal disaccharidase activity and villus morphology in piglets suckling insulin-like growth factor-I (IGF-I) transgenic sows” **Jessica Hartke** at left (Advisor: Sharon Donovan)

“*In vitro* propagation and phytochemical production of kava (*Piper methysticum*)” **Hideka Kobayashi** (Advisor: Mary Ann Lila)

“Effect of heating broccoli seed on the production of sulforaphane from glucoraphanin hydrolysis” **Qingyan Qiao** Postdoctoral Fellow, at right (Advisor: Elizabeth Jeffery)



“Antiproliferation activities of wild blueberry (*Vaccinium angustifolium*) fruit extracts” **Barbara Schmidt** (Advisor: Mary Ann Lila)



“Transcriptional regulation of phase II detoxification enzymes by glucosinolate metabolites” **Kristin Stewart** at left (Advisor: Elizabeth Jeffery)

POSTER PRESENTATIONS, CONTINUED

“Effect of heat treatment, pH adjustment and protease hydrolysis on emulsification properties of soy protein concentrate (SPC)” **Kathryn Wimer** (Advisor: Susan Brewer)

“Time course distribution of a single dose of 14C-lycopene in the F344 rat” **Susan Zaripheh** (Advisor: John Erdman)

ORAL PRESENTATIONS



“Glucose transport is enhanced by short-chain fatty acid supplemented-total parenteral nutrition in a piglet model of intestinal adaptation” **David Albin** at left (Advisor: Kelly Tappenden)



“Intestinal epithelial proliferation and villus height increased by short-chain fatty acid supplemented total parenteral nutrition following 80% jejunoleal resection in piglets” **Anne Bartholome** at right (Advisor: Kelly Tappenden)



“The effect of leucine on glucose homeostasis and the insulin signaling pathway” **Jamie Baum** at left (Advisor: Donald Layman)



“Genistein at a concentration present in soy infant formula inhibits intestinal cell proliferation in piglets” **An Chen** at right (Advisor: Sharon Donovan)



“Diabetes enhances cholesterol accumulation in macrophages” **Matthew Hartman** at left (Advisor: Gregory Freund)



“Adaptive induction of delta-6 desaturase (D6D) is diminished in the peroxisome proliferator-activated receptor α (PPAR α)-null mouse” **Yue Li** at right (Advisor: Manabu Nakamura)



“Sulforaphane content and bioactivity of broccoli sprouts are enhanced by heat processing: A role for epithiospecifier protein” **Nathan Matusheski** at left (Advisor: Elizabeth Jeffery)

Congratulations to the following winners:

Poster: Alejandra Gratson, Kristin Stewart, and Susan Zaripheh
 Oral: Matthew Hartman and Nathan Matusheski

December 2002

Elvira deMejia, Ph.D.

Assistant Professor
Department of Food Science and Human Nutrition
College of Agricultural, Consumer and
Environmental Sciences (ACES)

Research Interests: *Molecular mechanisms of chemoprevention of bioactive food components, mainly proteins and flavonoids.*

We study food components with health benefits; analysis, characterization and mechanism of action of antimutagenic and anticarcinogenic compounds in foods (legumes, oilseeds, and vegetables). We are currently working with bioactive proteins in different legume genotypes. Our research group investigates the role of genetic diversity and environmental



conditions on the presence, concentration and physicochemical characteristics of the bioactive soybean seed proteins with biological potential against transformed human cells. We are also studying the health benefits of tea, in particular the molecular mechanisms underlying the biological effects of ethnic teas used in folk medicine to combat several disorders including cancer. This scientific study will introduce new materials to improve human health.

December 2002

Nicki J. Engeseth, Ph.D.

Associate Professor
Department of Food Science and Human Nutrition
College of ACES

Research Interests: *Manipulation of plant fatty acid profiles and antioxidants in food, including honey.*

Our laboratory studies the pathways for fatty acid biosynthesis in oilseeds, with particular emphasis on acyl carrier protein's role in determination of plant fatty acid composition and oil content. We have developed transgenic plants to investigate the impact of altered acyl carrier protein levels on oilseed quality. Some of this research also extends into the study of pathways for unusual fatty acid biosynthesis so that we may be able to produce unusual fatty acids desirable for nutritional applications in common oilseeds. Additionally, we study the impact of altered environmental atmospheric levels of carbon dioxide and ozone on soybean quality through a multi-investigator project (SOYFACE), including major storage components of carbohydrate, lipid and protein and other key compounds with potential biological activity such as isoflavones, other phenolics and saponins. The impact of ozone on oxidative stress issues on soybeans will be addressed as will the impact of altered environmental atmospheres on gene regulation of key pathways influencing soybean quality.



Other research in our laboratory has been focused on natural antioxidants, with a particular emphasis thus far on honey. Projects related to this include the study of honey as a protective agent against oxidative deterioration reactions in foods and the mechanisms by which honey imparts this protection, including detailed characterization of antioxidant components of honeys. Other projects include the investigation of honey and other food components as sources of dietary antioxidants and the ability of these natural sources to protect against oxidative stress in human/animal systems.

December 2002

Paul E. Gold, Ph.D.

Professor
Department of Psychology
College of Liberal Arts and Sciences
Department of Psychiatry, College of Medicine

Research Interests: *Brain and behavior; Neurobiology of learning and memory.*



Findings from our laboratory show that circulating glucose levels can regulate learning and memory in rats, mice and humans. For example, release of the stress hormone, epinephrine, from the adrenal medulla, enhances memory in rodents and appears to do so, at least in part, by initiating increases in blood glucose levels. Injections of glucose in rats and mice, and ingestion of glucose by people, also facilitate memory processes. Current research investigates the influence of circulating glucose levels on brain neurochemistry and behavior in rodents, including the contributions of changes in glucose to changes in memory during aging.

December 2002

John Killefer, Ph.D.

Associate Professor of Meat Science and Muscle Biology
Department of Animal Sciences
College of ACES

Research Interests: *Regulators of growth and factors influencing muscle development and meat quality.*



The overall goal of the laboratory is to develop a better understanding of the mechanisms regulating muscle growth and physiology at both the embryonic and postnatal stages of development, to assess the impact of these processes on muscle function, and ultimately to apply this knowledge to develop higher quality production animals and meat products. We examine the interaction of genetics with nutritional and environmental factors and their effects on animal physiology.

We use contemporary molecular genetic and biochemical techniques to investigate gene expression from embryonic development through maturity and the effects of modifications in expression patterns on growth efficiency and product quality. Research involves applications in molecular biology, cell culture, live animal trials and evaluation of postmortem product quality. We have used genetic mapping efforts to identify genes associated with economically important quantitative traits. Our laboratory has also investigated the effects of the administration of growth factors during early embryonic development on myogenic gene expression, differentiation and development of muscle cells, and the impact of embryonic manipulation on postnatal growth efficiency, muscling and meat quality.

December 2002

Youfa Wang, M.D., Ph.D.

Assistant Professor of Nutritional Epidemiology
Department of Human Nutrition
Adjunct Assistant Professor, Division of
Epidemiology and Biostatistics
College of Applied Health Sciences, UIC

Research Interests: *Child and adolescent obesity, the health consequences of obesity, such as risks for cardiovascular disease (CVD) and type 2 diabetes; tracking of lifestyles and obesity from childhood to adulthood; international health; and applications of advanced longitudinal data analysis methods in epidemiologic research.*



The obesity epidemic is a serious public health problem in the United States and in many other countries worldwide. Obesity is the second leading cause of preventable disease and death (next to smoking) in the US. More than half of American adults and over a quarter of American children

and adolescents are overweight or obese. Minority populations and low socioeconomic status (SES) groups are disproportionately affected. Increasing evidence show that obesity has become a global epidemic and is increasing at an alarming rate. My ongoing research focuses on two themes: domestic childhood obesity related research, and international health.

May 2003

Schuyler S. Korban, Ph.D.

Professor of Molecular Genetics and Biotechnology
Department of Natural Resources and Environmental
Sciences
College of ACES

Research Interests: *Use of plant systems for production and delivery of subunit vaccines against human and animal pathogens.*

We are developing transgenic plants expressing antigenic determinants of epitopes that are immunogenic, and providing protective immunity against these pathogens. Using plants as “bioreactors” for production of these subunit vaccines contributes not



only to a cost-effective and safe production system, but also provides an alternative delivery system for these vaccines. Oral delivery of these plant-based vaccines leads to stimulation of the mucosal immune system, which is first line of defense against invading pathogens entering the body via mucosal membranes of the nose, mouth, and other openings. This oral delivery also primes the humoral immune system as well. Our laboratory is focusing on targeting the production of these subunit vaccines into edible parts of the plant, as well as targeting the antigenic protein in these vaccines to the mucosal tissues of the lumen to enhance its immunogenicity. In other research, we are using functional genomics to investigate nutritional components in crops. Moreover, we are developing transgenic plants with enhanced and/or modified nutritional contents.

NUTRITIONAL SCIENCES FACULTY AWARD



On October 8, 2003, the Nutritional Sciences Graduate Student Association presented Dr. Matthew Wallig with the 2003 NS Faculty Award. Faculty members are nominated by students based on the degree of involvement in student affairs and the Division. Dr. Wallig indicated that this award was indeed a special one for him. Helping students in Nutritional Sciences has always been one of the most rewarding and fun things he has done in his career at the University of Illinois, so this honor is one that he will cherish. He is grateful to the students for acknowledging his contributions to the program and plans to continue to assist students with their studies in Nutritional Sciences.

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

TWO NUTRITIONAL SCIENCES FACULTY ARE RECIPIENTS OF ENDOWED



Richard Noel, Sharon Donovan, Rosann Noel

Sharon Donovan accepted an invitation to be the first **Melissa M. Noel Chair in Nutrition and Health** in the Department of Food Science and Human Nutrition at the University of Illinois. Dr. Donovan is an internationally recognized expert in the field of infant nutrition. Her scholarly contributions in the areas of research, teaching, and service have made highly significant impacts on the students, faculty and staff at the University of Illinois; on international, national, and local professional organizations; and very importantly on the health and well-being of infants. Dr. Donovan is truly a leading scientist and scholar, and this honor is rightly deserved. The Chair was made possible by the generous endowment provided by the family of Melissa M. Noel.



John Erdman and William Fry, Mars, Inc.

John W. Erdman, Jr. was reinvested as an **Endowed Chair in Nutrition Research**. Mars, Inc., a global food company specializing in main meals, petfoods and confection products has provided gifts totaling over \$1 million dollars to support the Nutrition Research Chair and the Mars Nutrition Research Lectureship within the Department of Food Science and Human Nutrition. Mars Inc., is headquartered in McLean, VA. It is one of the largest private companies in the U.S. and has more than 30,000 employees and offices and facilities in more than 60 countries. The gift supports nutrition research, especially on lycopene and tomato products, and yearly lectureships. This year's Mars Nutrition Research Council lectureship was presented by Professor Ian MacDonald, University of Nottingham (see pg. 30 of newsletter).

David H. Baker (emeritus) is a member of the DRI Committee (Food and Nutrition Board of NAS) on Water and Electrolytes; He was elected to the FASEB Board of Directors (2003-07); and received the J.M. Bell Lectureship Award of the Nutrition Society of Canada (Fall 2002).

Sharon M. Donovan continues as Secretary of ASNS (2002-2005); She was appointed to the ASNS Nominating Committee for the Bio-Serv Research Award (2002-05); and continues as a Regional Associate Editor for ASNS Nutrition Notes.

Nicki J. Engeseth was promoted to Associate Professor with tenure!

John W. Erdman was named Fellow in the American Heart Association and of the Council on Nutrition, Physical Activity and Metabolism; and was also designated as a Lifetime National Associate, National Academy of Sciences. He is chair of the Public Policy Committee for ASNS; and continues his work with the Food and Nutrition Board, Institute of Medicine. He has been appointed as 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.

George C. Fahey and **Neal R. Merchen** received the 2003 Companion Animal Biology Award from the American Society of Animal Science. George is also a member of the Archives of Animal Nutrition; Journal of Animal Physiology and Animal Nutrition; ASNS Finance Committee and ASNS Nominating Committee; and Companion Animal Biology Chairperson, ASAS.

Gregory G. Freund serves as Chair of the Budget and Finance Committee, American Society of Cytopathology (2002-03).

Rex Gaskins is an Associate Editor for *Experimental Biology & Medicine*; and a member of the National Cancer Institute PO1 Site Visit Review Panel, University of Maryland. He received a New Investigator Award from Mount Desert Island Biological Laboratory and was named Faculty Fellow, National Center for Supercomputing Applications, University of Illinois.

Elizabeth H. Jeffery (at right) received The Kenneth P. Du Bois Award for Excellence in Toxicology from the Midwest Regional Chapter of the Society of Toxicology. This award is the highest award given by this society to a toxicologist who has spent a significant portion of her/his career residing and having a major impact in the midwest. The Chapter nominated Elizabeth particularly for her work in toxicology education -- for many years she has taken 10-25 students to the fall meeting and has encouraged students from other institutions by initiating a poster competition with prizes. She has been very active in the Chapter (secretary and president) during the past 5 years.



Rodney W. Johnson received the College Faculty Award for Excellence in Research from the College of ACES, UIUC.

Schuyler S. Korban was named as Fellow in the American College of Nutrition, 2003; He serves as a Guest Editor/Editorial Board for *Current Pharmaceutical Design*; Associate Editor for *In Vitro Cellular & Developmental Biology-Plant*; and on the Editorial Board for *Plant Cell Tissue and Organ Culture*. He was elected as Chair of the International Activities Policy Committee, College of ACES (2002-04); and he was appointed to the American Society for Horticultural Science (ASHS) Cross-Commodity Publication Award Selection Committee (2004-07).

FACULTY AWARDS, ACHIEVEMENTS AND PROFESSIONAL SERVICE, CONTINUED

Robert D. Reynolds (at right holding a boa constrictor) took a recent trip to the Amazon rain forest of Ecuador.



Keith W. Singletary received the Senior Faculty Award for Excellence in Research from the College of ACES, UIUC.

Kelly A. Tappenden was promoted to Associate Professor with tenure! She serves on the Editorial Boards for *Intestine* and the *Journal of Nutrition*. She also serves on several national committees: Chair of the Research Committee of the American Society for Parenteral and Enteral Nutrition, and is a member of the Clinical Trials Initiative Task Force; the American Society for Nutritional Sciences "Student Research Interest Section (RIS), Co-advisor", and is a member of the Energy and Macronutrient Metabolism RIS Steering Committee. She is also a member of the Chicago Gastrointestinal Epithelial and Mucosa Club Steering Committee, and the University of Illinois Institutional Animal Care and Use Committee. She serves on the Division of Nutritional Sciences Curriculum Review, the Graduate Student Review, and the Executive Committees.

Youfa Wang serves on the following review committees or expert panels: External Grant Proposal Referee, The Netherlands Organization for Health Research and Development; The Netherlands Organization for Scientific Research; Reviewer, The MacArthur Fellows Program, John D. and Catherine T. MacArthur Foundation; and the Scientific Advisory Board, CDC Prevention Research Center, UIC Health Research and Policy Centers.

Brian C. Wansink received the Dean's Senior Researcher Award for Excellence in Research, UIUC; and the Julian Simon Memorial Faculty Fellowship Award, UIUC. He serves on the following Editorial Boards: *Journal of Marketing*, *Journal of Advertising Research*, *Journal of Database Marketing*, *Journal of the Academy of Marketing Science*, and the *Journal of Medicinal Foods*. Brian had the following research highlighted this year: "Profiling the Great American Cook" (June) and "Cooking Light" (July) in *Prevention*; "Labeling" with **Jim Painter**, reported in the *Reader's Digest* (July); "Comfort Foods" was a focus of a Food Network show for the Top 5 (July); and he launched a consumer oriented website: www.FoodPsychology.com in April.



FACULTY RESEARCH STRIDES

(GRANTS RECEIVED AND NEW RESEARCH IDEAS)

David H. Baker (emeritus) discovered that supplemental bromine can completely reverse the malaise and growth depression caused by a (toxic) dose of iodine. This has implications for iodine toxicity due to nuclear accidents or terrorist activities in that radioactive iodine is released into the atmosphere, causing both goiter and thyroid cancer. Bromine prevents iodine uptake by the thyroid (paper will be published in the *Journal of Nutrition*).

Sharon M. Donovan is a co-investigator with **Rex Gaskins** (PI) on a NIH grant entitled "Cysteine, intestinal thiols and goblet cell development" (2003-2008); and co-investigator with Mark Kuhlenschmidt (PI) on a grant entitled "Efficacy of porcine milk oligosaccharides for the prevention and treatment of rotavirus disease."

John W. Erdman and **Ellen Evans** received three grants from Masterfoods USA to conduct human trials on portion control and weight loss.

George C. Fahey received grants in 2003 from Massey University in New Zealand, GlaxoSmithKline, Roche, Ross Products Division of Abbott Laboratories, California Mushroom Council, California Dried Plum Board, C-FAR Sentinel, and the Illinois Soybean Program Operating Board.

(GRANTS RECEIVED AND NEW RESEARCH IDEAS)

Gregory G. Freund received a grant from Ventana Medical Systems for "Comparison of inform Human Papilloma Virus and hybrid capture 2 HPV DNA testing using the SurePath Test Pack".

Rex Gaskins received a grant from the National Institutes of Health for "Cysteine, intestinal thiols, and goblet cell development" with **Sharon Donovan** and a USDA National Research Initiative Competitive Grant for "Developmental dynamics of intestinal responses to bacterial colonization".

Elizabeth H. Jeffery received a USAID grant to train Mexican M.S. students throughout the College of ACES in functional foods and value-added crops (**Elvira deMejia** is Co-PI).

Youfa Wang received the following research grants: NIH for "Obesity prevention in African-American school children"; and University of Illinois Campus Research Board Grant for "Sexual maturation, childhood obesity and chronic disease".

Brian C. Wansink received the following grants: Missouri-Illinois Biotechnology Association for "Consumer responses to food crises" (PI with Randy Westgren); Attorney General of Illinois for "Decreasing teenage obesity"; Council for Agricultural Research for "Branding Illinois Commodities"; and Dudley Smith Research Initiative for "Biotechnology and consumer research" (PI with Joost Pennings and Anne Brazier).

FACULTY INVITED TALKS 2002-2003

David H. Baker (emeritus) was an invited speaker at the Fermex Amino Acid meeting in Mexico and he attended an Amino Acid Think Tank session in Nice, France.

Sharon M. Donovan presented "Enterally administered growth factors enhance intestinal development during total parenteral nutrition" as part of a symposium at the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) meeting in San Antonio, TX; presented "Effects of IGF-I over-expression on piglet intestinal growth" as part of a symposium at the American Society for Animal Sciences meeting in Phoenix, AZ; and presented "Cradle, crawler and child: Your guide to pediatric nutrition" to the Central Illinois Dietetics Association.

George C. Fahey presented "Animal digestive physiology responses as affected by oligosaccharides" Health Benefits and Functionality of Fructooligosaccharides Symposium, Institute of Food Technologists, Chicago, IL; "Selected topics regarding the role of carbohydrates in companion animal nutrition" Nutrient Requirements of Dogs and Cats Symposium, ASAS-ADSA, Phoenix, AZ; "Dietary fibre and pet foods" Dietary Fibre 2003, Noordwijkerhout, The Netherlands; and "Nutrient bioavailability as affected by feeding regimen of the dog" American Feed Industry Association EXPO, Minneapolis.

Rex Gaskins presented "A molecular ecological analysis of necrotic enteritis" Queen's College, University of Cambridge, UK; "Mucosal immune responses to the intestinal microbiota" Institute of Food Technologists Short Course, Eighth Edition of Nutraceuticals: Advances in Food Science in Relationship to Health, Orlando, FL; "Methods for measurement of dietary modification of colonic bacterial populations" Symposium, Experimental Biology 2003, San Diego, CA; "The commensal microbiota and development of mucosal defense in the mammalian intestine" 9th International Symposium on the Digestive Physiology in Pigs (DDP), Banff, Alberta, Canada; and "Immunity versus tolerance: Host responses to commensal and probiotic bacteria" 103rd Meeting of the American Society for Microbiology, Probiotic and Prebiotic Modulation of the Intestinal and Vaginal Microflora: Impact on Pathogens, Host Response and Health, Washington, DC.

Elizabeth H. Jeffery presented "Biochemical basis for optimizing the health benefits of broccoli" Fred Hutchinson Cancer Center, Seattle, WA; "Mechanism of action of anti-cancer agents in broccoli" National Cancer Institute, Frederick and Rockville, MD; "Building a better broccoli" USDA Vegetable Lab, Charleston, SC; and "Maintaining bioactivity during processing of broccoli" USDA, Beltsville, MD.

Schuyler S. Korban presented "The case for biotechnology" Department of Plant Science, University of Adelaide, Adelaide, Australia; "Advances in plant biotechnology" Department of Horticulture, Pennsylvania State University, State College, PA; "Plant gene discovery and genetic enhancement: Towards a better future of sustainability and new uses in agriculture" Department of Plant and Soil Science, University of Vermont, Burlington, VT; and he presented the Rosie Perez Memorial Seminar on "The role of plant-based vaccines in improving human health in the 21st century" Department of Plant Pathology, North Carolina State University, Raleigh, NC.

Keith W. Singletary presented "Botanicals and chronic disease prevention: Evidence based findings" to the 11th Annual Congress on Women's Health, Hilton Head, SC.

Kelly A. Tappenden presented "Regulation of intestinal nutrient absorption" Texas Women's University, Denton, TX; was a discussant at the Premier Paper Session, Nutrition Week 2003, San Antonio, TX; and was Co-Chair and speaker at the GLP-2 Function and Clinical Applications Symposium, Experimental Biology 03, San Diego, CA.

Youfa Wang gave the following presentations: "Central obesity and risks of chronic disease" Epidemiology and Biostatistics, School of Public Health, UIC; "How to apply for federal research grants as a new young investigator?" Being Professors in the USA Forum, Evanston, IL; "Childhood obesity, abdominal adiposity, and risks of type 2 diabetes and cardiovascular disease in middle-age" Department of Preventive Medicine, The Feinberg School of Medicine, Northwestern University; "Global secular trends in childhood obesity" The Maternal and Child Health Program, School of Public Health, UIC; "The epidemic of childhood obesity and the associations between childhood obesity, sexual maturation and risks for chronic disease" Division of Nutritional Sciences, UIUC; "Central obesity and the risk of type 2 diabetes and cardiovascular disease: New evidence from two Harvard prospective studies" Fuwai Hospital, The Chinese Academy of Medical Sciences and Peking Union Medical College; "The global obesity epidemic" Beijing Medical University 90th Anniversary, Beijing Medical University; and "The obesity epidemic and nutrition transition in China and other countries" Hong Kong Nutrition Association.

Brian C. Wansink presented "The suggestible influence of diet and health labels on post-consumption perceptions" Pangborn Sensory Science Symposium, Boston, MA; "Bottoms Up! Peripheral cues and consumption volume" and "The influence of assortment structure on perceived variety and consumption quantities" Society for the Study of Ingestive Behavior, Groningen, The Netherlands; "How suggestive food names bias taste" and "Exploring comfort food preferences across age and gender" Food Choice Conference, Philadelphia, PA; "Inventory estimation inaccuracy" Marketing Science Conference, University of Maryland; "Overconsumption - The role of packaging and portion size" Toward a Healthy Future Conference, Jackson Hole, WY; "Increasing the consumer acceptance of soy" International Soy Conference, Beijing, China; and "Bottoms Up! Peripheral cues that drive consumption volume" Association of Consumer Research, Atlanta, GA.

PERSONAL ACHIEVEMENTS

James L. Robinson (emeritus) and wife Jan, enjoy travelling around the US and the world since his retirement on May 20, 2002. Since that time, they have visited Peru, Zimbabwe, South Africa, Colorado, Florida and east coast, California, Oregon and Washington, and are planning to visit the following places: Vietnam/Cambodia, Costa Rica, and Europe. In February, they visited with Jack Odle (former NutrSci faculty member) and wife Willa in Raleigh, NC. They enjoyed attending the ASNS Awards ceremony in San Diego at which many current and former students and faculty were recognized.

Arthur J. Siedler (emeritus) caught an 11 pound striper this spring!

Brian C. Wansink was married to Jennifer Jer-Yuan Chao on August 3, 2003. Congratulations!

ASNS 2003 AWARD RECIPIENTS

David Baker received The Dannon Institute Mentorship Award in recognition of outstanding mentorship in the development of successful nutritional research science investigators.



Barbara Schneeman and Dave Baker

Kelly Tappenden received The BioServ Award for meritorious research in nutrition using experimental animals as models.



Yisheng Bai and Kelly Tappenden

Lee Alekel (PhD 1993) chosen for The Mead Johnson Award for a single outstanding piece of nutrition research or a series of papers on the same subject accomplished within ten years of completing postgraduate training.



Lee Alekel and Robbie Burns

Tracy Gautsch Anthony (PhD 1998) selected for the Peter Reeds Memorial Young Investigator Award for outstanding research in macronutrient metabolism accomplished within five years of receiving a Ph.D.



Tracy Gautsch Anthony and Teresa Davis

Lee Beverly, Associate Professor, Dept Animal Sciences and Sharon Donovan, Professor, Director, Nutritional Sciences. **“Nutritional Sciences Curriculum Review Report”**

John Killefer, PhD, Associate Professor, Dept Animal Sciences, UIUC. **“Ghrelin-A regulator of growth and nutrient partitioning”**

James Mault, MD, Chairman & CEO, Healthetech, Inc., Golden, CO. **“Indirect calorimetry and the energy balance equation: Clinical implications and outcomes”**

Torbert Rocheford, PhD, Associate Professor, Dept Crop Sciences, UIUC. **“Genetic analysis of variation in maize kernel chemical and nutritional composition”**

Paul Gold, PhD, Professor, Dept Psychology, UIUC. **“Food for thought: Modulation of memory formation by fluctuations in circulating and brain glucose levels”**

Angela Odoms, PhD, Family Research Consortium Postdoctoral Fellow, Dept Human and Community Development, UIUC. **“Social and cultural factors that influence dietary practices of African-American women: Implications for chronic disease prevention”**

Elvira de Mejia, PhD, Assistant Professor, Dept FSHN, UIUC. **“New frontiers in the use of bioactive proteins in cancer treatment”**

Nicki Engeseth, PhD, Assistant Professor, Dept FSHN, UIUC. **“Honey as a natural source of health promoting compounds”**

Ed Leiter, PhD, Senior Staff Scientist, The Jackson Laboratory, Bar Harbor, ME. **“Dissection of gene by environment interactions in a mouse model of Type-2 diabetes”**

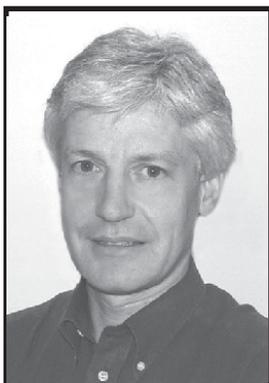
Youfa Wang, PhD, Assistant Professor, Dept Human Nutrition, UIC. **“The epidemic of childhood obesity and the associations between childhood obesity, sexual maturation and risks for chronic disease”**

Norman K. Hollenberg, MD, PhD, Professor, Brigham and Women's Hospital, Boston, MA. **“Kuna amerinds, coca flavonoids, and the cardiovascular system: An especially alinear story”**. Co-sponsored by Mars Nutrition Research Council

Steven N. Blair, PED, Director, Division of Research, The Cooper Institute, Dallas, TX. **“The role of physical activity in the prevention and treatment of obesity and co-morbidities”**

2003 MARS NUTRITION RESEARCH LECTURESHIP

By Sandra Hannum, M.S., R.D.



Ian Macdonald, PhD, presented the Mars Nutrition Research Council Lectureship series May 19-21, 2003. He is a professor of metabolic physiology in the School of Biomedical Sciences, University of Nottingham Medical School, Nottingham, UK. His particular interests include obesity, diabetes, cardiovascular disease, and exercise.

Dr. Macdonald presented three morning lectures to students and faculty on the following topics: “Macronutrient metabolism and functional consequences of undernutrition”; “Energy balance and obesity”; “Obesity: Why worry? What can be done?” In addition, he presented an evening lecture on May 20 that was open to the public entitled “Physical inactivity, weight gain and obesity: Is there anything to be worried about?” His major points included the fact that metabolism should be considered in terms of the individual macronutrients, not just total energy. Carbohydrate is the primary oxidative fuel, and is used in preference to fat, even after a high fat diet. Energy balance is not well-regulated by the body. When high calorie, palatable foods are freely available, it can easily lead to passive overconsumption. This overconsumption and an increase in sedentary lifestyle are likely the main contributors to the obesity epidemic. Genetic factors also play a role, but at this point, we have little knowledge as to the extent of the effects.

Melanie Loots, PhD, Associate Vice Chancellor for Research, UIUC. **“Research misconduct”**

James C. Fleet, PhD, Associate Professor, Dept Foods and Nutrition, Purdue University, West Lafayette, IN. **“Vitamin D-mediated intestinal calcium absorption: new targets and novel modes of action”**

Jonathan P. Godbout, PhD, NIH Postdoctoral Fellow, Division of Nutritional Sciences, UIUC. **“Do dietary antioxidants reduce age-associated Interleukin-6 expression in the brain?”**

Alan M. Diamond, PhD, Professor and Head, Dept Nutrition, UIC, Chicago, IL. **“Selenium, selenoproteins and cancer: A model for the interaction of diet and genetics”**

Rajendra Mehta, PhD, Professor, Surgical Oncology & Pharmacology, College of Medicine and Dept Human Nutrition, UIC, Chicago, IL. **“Efficacy of a new analogue of vitamin D (1 hydroxyvitamin D5) in prevention and treatment of breast cancer”**

William Blaner, PhD, Associate Professor, Dept Medicine, Columbia University, New York, NY. **“Retinol-binding protein: A practical application and a physiological function”**

Brian Finck, PhD, Instructor of Research, Washington University School of Medicine, Center for Cardiovascular Research, St. Louis, MO. **“Will America’s fast food addiction break our hearts? Dietary manipulation of cardiomyopathy in PPARalpha over-expressing mice”**

Jerrold Turner, MD, PhD, Assistant Professor, Dept Pathology, University of Chicago, Chicago, IL. **“Maintenance of the epithelial barrier at mucosal surfaces: Actomyosin-dependent regulation of cell-cell interactions”**

Edward L. Giovannucci, MD, ScD, Associate Professor, Dept Nutrition, Harvard School of Public Health, Boston, MA. **“Methyl group metabolism and cancer development”**

Joanne Slavin, PhD, Dept Food Science & Nutrition, University of Minnesota, St. Paul. **“Ten apples a day keep the doctor away: New fiber recommendations”**

Nathan Matusheski, Food Science & Human Nutrition Graduate Student, UIUC. **“Towards a better broccoli: Optimizing the yield of sulforaphane from glucoraphanin”**

Victoria Wade, Nutritional Sciences Graduate Student, UIUC. **“Diet, mammographic breast density and breast cancer”**

Schuyler S. Korban, PhD, Professor, Dept Natural Resources and Environmental Sciences, UIUC. **“The role of plant-based vaccines in human health”**

FUTURE LEADER AWARDS

International Life Sciences Institute (ILSI) North America is a nonprofit, scientific research organization established to advance the understanding of science issues related to nutrition and food safety by bringing together scientists from academia, industry, and the public sector to solve problems with broad implications for the well-being of the general public. ILSI North America is supported primarily by its industry membership. The Division of Nutritional Sciences was happy to see that two of our alum were recent Future Leader Award recipients. Their names and affiliations at the time of the award are below.

2002, Leslie D. Bourquin Ph.D. 1993, Michigan State University

2000, Michelle K. McGuire M.S. 1985, Washington State University

1970

Robert Landers Ph.D. is retired and lives in Westfield, NJ. He is glad to see the growing interest in functional foods.

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

1971

Melvin Yokoyama Ph.D. is a Professor, Department of Animal Science, Michigan State University, East Lansing, MI. In May 2003, he visited the University of Mali, IPR/IFRA at Katibougou, Africa to seek collaborative research with animal nutritionists. In 2002, he completed sabbatical leave at the Animal Research Institute, Department of Primary Industries, Yerongpilly, Australia and the Department of Food Science, Human Nutrition, and Animal Sciences, University of Hawaii, Manoa, Honolulu, Hawaii (yokoyama@pilot.msu.edu).

1972

George Klatt M.S. resides in Chicago, IL (GMMK1797@aol.com).

1974

Sandra Simons Ph.D. passed away on August 25, 2002. She was a Professor at Texas A&M University, Kingsville, TX. She will be missed by the nutrition community.

1976

Guy Johnson Ph.D. is President of Johnson Nutrition Solutions, LLC, a nutrition consulting business in Kalamazoo, MI. He is a member of the IFT Hot Topics Committee; and serves on The Soy Connection Editorial Board. He helped International Tree receive the first FDA-authorized qualified claim for foods - Nuts and heart disease (guy@nutritionsolutions.net).

Young C. Kim Ph.D. is a Professor, College of Pharmacy, Seoul National University. She was one of three to receive the Korea Science and Engineering Foundation 2002 Women's Science and Technology Award of the Year. Professor Kim, winner of the science award, is recognized for her outstanding achievement in exploring materials with potential for new medicine from natural resource materials, including exploration of potential materials good for the treatment of retrogressive cerebral nerve disease.

1982

Lisa Marshall Ph.D. served as chair of the Organizing Committee for the 6th World Congress on Inflammation held August 2003 in Vancouver BC, Canada. Over 1000 delegates attended the fantastic program. She is currently helping to organize the international meeting of the Inflammation Research Association to be held in October 2004 in New York.

1983

Kenneth Poirier Ph.D. is a Pre-Clinical Safety Manager, Kendle International Inc., Cincinnati, OH. He is President of the Ohio Chapter of the Society for Risk Analysis (kpoirier@cinci.rr.com).

1986

Laura Rosch M.S. is a physician in Internal Medicine at Central DuPage Hospital, Winfield, IL (CDHS098@attglobal.net).

Anne Smith Ph.D. is Associate Professor, Department of Human Nutrition, The Ohio State University, Columbus. She was named to the Board of Scientific and Policy Advisors for the American Council on Science and Health (smith.23@osu.edu).

1988

Shelley (Brown) McGuire M.S. was promoted in 2003 to Associate Professor with tenure, Department of Food Science & Human Nutrition, Washington State University, Pullman, WA. She is a member of the International Society for Research in Human Milk and Lactation Executive Committee; and is Chair of the ASNS Human Milk and Lactation RIS. She was the recipient of the Erlich Koldovsky Young Investigator Award granted by the International Society for Research in Human Milk and Lactation in Mexico City, Mexico (smcguire@wsu.edu).

1989

Denise King Ph.D. is a Research Program Manager, Osteoporosis Group, Epidemiology, University of Minnesota (DeniseLKing@comcast.net).

1990

Samuel Ejadi M.S. joined Memorial Sloan-Kettering Cancer Center, New York, NY in July 2003 as a staff oncologist specializing in management of melanoma and solid tumors (ejadis@mskcc.org).

1992

Wendy (Markham) Hirsch M.S. is a homemaker and has five children: Carl (9), Matthew (7), Rachel (5), Michelle (3) and number five, Nathan Anthony, was born on December 6, 2002.

Connie Krashoc M.S. is a Clinical Dietitian and Certified Diabetes Educator, Nutritional Services, O'Connor Hospital, San Jose, CA. She is an active member of the Santa Clara County Chapter of the American Association of Diabetes Educators; she writes a quarterly nutrition column for her hospital newsletter; she is invited on a regular basis to speak to medical staff within the San Jose community on various nutrition topics, but most frequently on diabetes self-management and medical nutrition therapy for diabetes. In 2001, she achieved national certification as a certified Diabetes Educator and has maintained status as a Registered Dietitian since 1985. "Balance! Between work, marriage, family and personal interests - it has taken time, effort and some occasional compromise, but I am happy to have achieved a healthy, balanced life. I've been married to Dan Lubben (1985 UIUC Material Science graduate) for 15 years and we have a 10-year old daughter, who keeps us young" (ckrashoc@att.net).

Stacy Scardefield M.S. is a Senior Field Clinical Trial Monitor, Pharma Development Operations, Roche Pharmaceuticals, Wayne, NJ where she recently received a 10-year Service Award. She also was inducted into the Thomas D. Macrini Sports Hall of Fame for past athletic honors in gymnastics (Wappingers Central School District-New York State) (stacy.scardefield@roche.com).

1993

Nicole deLeeuw M.S. is a Clinical Cytogeneticist, Human Genetics, University Medical Centre Nijmegen, Nijmegen, The Netherlands (N.deLeeuw@antrg.umcn.nl).

Courdjo Lamboni Ph.D. was promoted to Associate Professor, Department of Biochemistry and Nutrition, University of Lome (formerly University of Benin) (rlamboni@yahoo.fr).

1994

Sean Adams Ph.D. is a Senior Scientific Investigator, Pharmacology, Amylin Pharmaceuticals, San Diego, CA (sadams@amylin.com).

Catherine Peterson Ph.D. is a Principal Nutrition Scientist, Nutrition Sciences/Discovery, Mead Johnson Nutritionals, Evansville, IN (catherine.peterson@bms.com).

1995

Mary (Larson) Dicklin Ph.D. is a Clinical Research Scientist/Medical Writer, Radiant Development, Radiant Research, Chicago, IL (marydicklin@radiantresearch.com).

1996

Marc Dicklin M.S. is a Physician Assistant in both Woodhull and Alexis, IL (Marc_Dicklin@hotmail.com).

Kavita Patel M.S. resides in Spartanburg, SC and keeps busy with her two daughters: Ruhi (5) and Sonia (3) (kpp93prp@charter.net)!

Amy Randall-Ray M.S. is a Research Associate, Clinical Trials, Internal Medicine/Gastroenterology, University of Michigan Health System, Ann Arbor, MI. She is a board member of the American Liver Foundation; a member of the American Association for Study of Liver Diseases; and a member of the American Certified Research Professionals. She gave birth to her first child, son, William Daniel Ray, on October 5, 2001 (arandall@umich.edu).

1997

Jason Emmert Ph.D. was promoted in 2002 to Associate Professor with tenure, Department of Poultry Science, University of Arkansas, Fayetteville. He received the following awards: University of Arkansas Dale Bumpers College of Agricultural, Food, and Life Sciences John W. White Teaching Award; the Poultry Science Association Purina Mills Teaching Award; an Arkansas FFA Honorary State FFA degree; and a University of Arkansas Poultry Science Club Mentor of the Year Award in

continued on next page

both 2001 and 2002. He has been active in developing web-based educational materials for his department. Jason and his wife Laurel, have 2 children (Abigail 5, Nathan 3) with #3 due in October (jemmert@uark.edu).

Hongyu Teng Ph.D. resides in Clarendon Hills, IL (hteng17@hotmail.com).

1998

Tia Rains Ph.D. is a Senior Scientist, Nutrition Research, Kraft Foods, Glenview, IL. She spent 6 months making Easy Mac and Deluxe Macaroni & Cheese for a cross-functional experience. She taught Clinical Biochemistry in the Nutrition MS program at Finch University in North Chicago this fall (trains@kraft.com).

Tracy Gautsch

Anthony Ph.D. is an Assistant Scientist/Assistant Professor, Biochemistry and Molecular Biology, Indiana University, Evansville, IN. She and husband, Josh (M.S. 1998) welcomed their second daughter, Amalia (Lia) Elaine, on August 2, 2003. Big sister Lexy, turned 3-years old October 21, 2003 (tracyanthony@hotmail.com).



1999

Joshua Bomser Ph.D. continues as an Assistant Professor, Food Science & Technology, The Ohio State University, Columbus, OH (bomser.1@osu.edu).

2000

Annette (Cole) Boogerd M.S. is a Clinical Dietitian at the University of Chicago Hospitals, Chicago, IL. She is a Certified Diabetes Educator, National Certification Board for Diabetes Educators. She had the following publications in 2002: Boogerd A, Alverdy J, Kumar S, Olson DL, Schwenk WF. Part III. Obesity. Disease A Month, 48:725-42; and Neven K, Dymek M, leGrange D, Maasdam H, Boogerd AC, Alverdy J. The effects of roux-en-Y gastric bypass surgery on body image. Obesity Surgery 12:265-69 (aboogerd@uchospitals.edu).

Beth Flickinger Ph.D. is a Visiting Assistant Professor, Animal Sciences and Food Science & Human Nutrition, University of Illinois, Urbana, IL. She is a member of the American Dietetic Association, the American Society of Animal Science, and the American Society for Nutritional Sciences. She was an invited speaker at the Alltech Symposium, Functional Foods & Prebiotics (bflick@uiuc.edu).

Deshanie (Ganessunker) Rai Ph.D. began a new position as a Senior Research Scientist, Mead Johnson Nutritionals, Evansville, IN in July (deshanie.rai@bms.com).

2001

Anne Kurilich Ph.D. is a Nutritionist, Beltsville Human Nutrition Research Center, USDA/ARS, Beltsville, MD. She is a member of the American Society for Nutritional Sciences and American Chemical Society (dranne16@hotmail.com).

2002

Clint Allred Ph.D. is a Postdoctoral Fellow, Molecular and Biomedical Pharmacology, University of Kentucky, Lexington, KY (adclin@uky.edu).

Sara Painter M.S. is a Dietitian, Health Education, Crusader Central Clinic Association, Rockford, IL. She passed the Registered Dietetics Exam on 3/29/03 and became a Licensed Dietitian on 6/19/03. She is a member of the Rockford Head Start Health Advisory Committee and the Northern Illinois Diabetes Coalition - Education Committee. Sara and her husband, Scott, moved into a new home recently which also serves as the office and studio for his photo business "Better Image Photography". Their first child, Megan LeAnne, was born on December 11, 2003 (spainter_ccca@yahoo.com).

Harn Shiue M.S. is a Research Technologist, Pathology, University of Chicago Medical Center, Chicago, IL. Harn presented a Distinguished Abstract at Digestive Disease Week 2003 in Orlando, FL (shiue76@hotmail.com).

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Bourquin, Leslie	bourqui1@msu.edu	Mobasseri (Ezzatkah) Maria	mmabasseri@parkland.cc.il.us
Boissonneault, Gilbert	gaboiss@pop.uky.edu	Novotny, Janet	novotny@bhnrc.arsusda.gov
Burns, James	jimdiet@yahoo.com	O'Connor, Deborah L.	deborah_l.o'connor@sickkids.on.ca
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Holmes-McNary, Minnie	MHolmes-McNary@hec.ohio-state.edu	Wool, Deborah	dlwool@yahoo.com
		Wu, Maoxin	maoxin_wu@mssm.edu

MISSING ALUMNI

The Division does not have current address or E-mail information for the following alumni. If you know their mailing or Email address, please contact the Division office (nutrsci@uiuc.edu). Your assistance is greatly appreciated.

February 1969

Glen M. Findlay, Ph.D.

June 1969

Kathleen L. Muiruri, M.S.

October 1969

E. Kevin O'Hea, Ph.D.

June 1970

Kathleen Ts'ao, M.S.

October 1972

Shu-Yen Chang Yeh, Ph.D.

January 1974

P.N. Achutamurthy, Ph.D.

October 1974

Grace Mei-Tong Shen Chang, Ph.D.

May 1975

Yih-Tzong W. Huang, Ph.D.

October 1978

Chih-Shang Shen, Ph.D.

May 1983

Ahmed Dekhiel, M.S.

October 1983

Betsy Jo Bittman, M.S.

May 1987

Maxine (Fico) Santoro, Ph.D.

October 1987

Frances T. Yen, Ph.D.

May 1988

Raymond Yedinak, M.S.

May 1989

Osnat Bernstein, M.S.

January 1990

Young Chung, M.S.

May 1990

Kristin Arndt, M.S.

May 1991

Edna Mei-Ying Wu, M.S.
Matthew Kuchan, Ph.D.

May 1994

Patricia Kloss, M.S.
Kyung Hee Hwang, Ph.D.

October 1995

Deborah (Swartz) Basile,
Ph.D.

August 1996

Guixiang Li, M.S.

January 1997

Shanqin Xu, M.S.

WHO AM I?

A



B



C



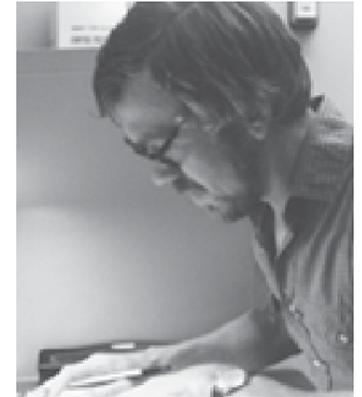
D



E



F



G



H



J



I



ANSWERS ON PAGE 39

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

If you will be attending the EB 2004 meeting in Washington, D.C., please plan to join us at our reception on

Monday, April 19, 2004
from 7 - 9 PM
Renaissance Hotel
Washington, DC



Alumna Cathy Peterson, Ph.D. 1994, faculty member John Erdman, FSHN, Alumna Tiffany Bier, and Division secretary Linda Barenthin



Pamela and alumnus Eric Park, Ph.D. 1999, and Director Sharon Donovan



Jamie Baum, doctoral candidate, and Jennifer Seyler, M.S. candidate



Alumna Denise Deming, Ph.D. 2001, Maria Sapuntzakis (UIC), An Chen, doctoral candidate

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 2003. 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!



Alumna Beth Flickinger, Ph.D. 2000,
Dr. Chris Grieshop (Dept Animal
Sciences, UIUC) and Dr. Denise Ney
(University of Wisconsin)



Alumna Denise Deming, Ph.D. 2001,
Kirstie Adams, M.S. candidate, and
Jessica Campbell, doctoral candidate



Anne Bartholome, doctoral candidate and
FSHN alumnus Nate Matusheski



Faculty members John Erdman and
Elizabeth Jeffery



Faculty member Manabu Nakamura
and Sandy Hannum



Alumnus G. Harvey Anderson, Ph.D. 1970,
Mary Frances Picciano and John Milner



Emeritus faculty Jim Robinson and wife, Jan



Allison Yates and EAC member Gil Leveille (Cargill)



Faculty member Donald Layman and wife Jerelyn Schultz (Ohio State University) with Norraine and David Baker (emeritus faculty member)



Alumna Anna Keck, Ph.D. 2001 and Corey Hintze



Doctoral candidate Susan Zaripheh with Division secretary Linda Barenthin and daughter, Jami Barenthin



Ruth Jameson Coppinger (UIC) with doctoral candidates Kristin Stewart and Alejandra Gratson

ANSWERS TO THE "WHO AM I?" ON PAGE 36

- A. George Bark
- B. W.C. Rose
- C. Sandra Bartholomey
- D. Don Layman
- E. Gail Czarnecki-Maulden
- F. Robbie Burns
- G. Mary Frances Picciano
- H. Bruce Larson and Gil Leveille
- I. Ed Perkins
- J. Karen Chapman-Novakofski, Minnie Holmes-McNary, Marcia Monaco-Siegel, Cathy Peterson, and Pat Miers

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