

# NutritionNotes

September 2011

### President's Column



Greetings from the President: Sharon M. Donovan, PhD, RD Melissa M. Noel Endowed Professor in Nutrition and Health, UIUC

The summer has been an exciting time to be

ASN President! ASN is once again collaborating on National Childhood Obesity Awareness Month, which is the month of September. As we head into the autumn, the deadlines for ASN's 2012 Annual Meeting & Scientific Sessions are quickly approaching. The Call for Awards is open through September 15, 2011. Please consider nominating a colleague for one of ASN's prestigious awards that recognize excellence among young investigators and senior investigators, as well as our public policy/ public information and education/ mentoring awards. Fellows nominations close on October 1. Fellows have had distinguished careers in nutrition and are at least 65 years old. Nominations can be made by any ASN member or nutrition professional. Send your nominations to sec@nutrition.org.

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### Committee News

# **Graduate and Professional Education Committee (GPEC)**

Recent highlights from GPEC include:

Joshua Marr, Medical Student, Columbia University College of Physicians and Surgeons, Honored as 2011 ASN Clinical Nutrition Intern: Currently in medical school, Marr received a masters degree in nutrition at the Columbia University Institute of Human Nutrition. He is currently working with advisor David Seres, MD, to develop a unique, integrated nutrition curriculum for his medical school. This effort is part of a long term project at Columbia University College of Physicians and Surgeons to ensure that guidelines set by the National Heart, Lung and Blood Institute's Nutrition Academic Awards are met through four years of medical school study.

ASN extends its appreciation to McNeil Nutritionals, LLC for its unrestricted educational grant in support of the Clinical Nutrition Intern Program (CNIP).

Agri-Medical Research: Providing Dual Benefit for Agriculture and Human Health: On Saturday, July 9, more than 200 animal and nutrition sciences researchers gathered in New Orleans, LA for the joint ASN - American Society of Animal Science (ASAS) and American Dairy Science Association (ADSA) meeting, Agri-Medical Research: Providing Dual Benefit for Agriculture and Human Health. The scientific program focused on biomedical and agricultural interventions or therapies to improve both human health, companion animal health and farm animal health and production.

Eighty-four posters were presented at the conference and a competition for graduate students and post-docs honored the top three posters. Congratulations to the following winners:

Trevor Faber, University of Illinois, Urbana, IL The Effects of a Galactoglucomannan-Arabinoxylan Complex on Eimeria acervulina Infection in Broiler Chicks



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### THE AMERICAN SOCIETY FOR NUTRITION

A Constituent Society of the Federation of American Societies for Experimental Biology

ASN Secretariat: 9650 Rockville Pike, Bethesda, MD 20814-3990. Tel: 301-634-7050

#### Now available

A print subscription option for *Nutrition Notes* is available. The *Notes* are transitioning to a digital-only format, unless you have submitted a subscription payment. To continue receiving a hard copy, the cost is \$30/year. Visit the website at www.nutrition.org/renew to subscribe or email sprice@nutrition.org.

Letters will be published at the discretion of the Secretariat. They should be constructive and of general interest to the reader. Deadline for Submission of **ALL** copy: First day of February, May, August, or November.

Samer El-Kadi, Baylor College of Medicine, Houston, TX

Feeding modality impacts muscle protein deposition by influencing protein synthesis but not degradation in muscle of neonatal pigs

Yanhong Liu University of Illinois, Urbana, IL Effects of plant extracts on peripheral blood immune cells and inflammatory mediators of weaned pigs experimentally infected with a pathogenic E. coli

We thank our partners, ASAS and ADSA, and look forward to future joint efforts.

### Webinar: Balancing Calories to Manage Weight: Recommendations, Barriers, Strategies and Communications

More than 500 attendees participated in the ASN-USDA Center for Nutrition Policy and Promotion (CNPP) webinar, "Balancing Calories to Manage Weight: Recommendations, Barriers, Strategies and Communications" on June 28. This was the first of a series of webinars that examines key recommendations, strategies and communications to help implement the 2010 Dietary Guidelines. The program was taped and can be viewed on www.nutrition.org/edprofdev.

ASN extends its appreciation to Weight Watchers for its unrestricted educational grant in support of the webinar.

### **Student Interest Group (SIG)**

I hope all of you are having a great start with your fall semester. This year SIG has received many qualified leadership applications. From the excellent candidates we are very pleased to announce our newly selected student leaders: Leelyn Chong, Rebecca Creasy and Jennifer Barnes. Leelyn is a PhD student from the University of California-Davis and will serve as Executive Committee for the term of 2011-2015, Rebecca, a PhD student from the University of Florida, will serve as Special Activities Committee, and Jennifer, a PhD student from the University of Illinois, will serve as Liaison to the Graduate and Professional Education Committee for the year of 2011-2012. The SIG would like to extend a warm welcome to our new leaders and we look forward to their leadership role in serving our student members. For those of you who were not selected this year, we encourage you to apply next year and get involved in other student activities such as the student blogger program (www.nutrition.org/asn-blog).

We would also like to encourage all student members to join ASN groups on Facebook (www.nutrition.org/facebook), LinkedIn (www.nutrition.org/linkedin) and Twitter (www.nutrition.org/twitter). These are excellent networking groups to build ties with peers, mentors and other researchers in your field. In addition, we often announce student activities and opportunities via these groups including scholarships, awards, travel grants and more.

We have received the survey feedback on SIG activities at *EB2011* and SIG will continue to improve our student activities next year as well as work toward advancing SIG. If you have any questions about the SIG or ideas for us to better serve you as students, please contact Sheau Ching Chai, Chair of the SIG, at sc07@ my.fsu.edu. We look forward to serving you over the coming year!

Contributed by Sheau Ching Chai, SIG Chair sc07@my.fsu.edu

### Council News





INC members enjoy their EB2011 reception with old and new friends.

### **International Nutrition Council (INC)**



I would like to thank everyone for participating in the recent INC elections and welcome our new INC Governing Committee (GC) members: Jef Leroy (IFPRI), David Pelletier (Cornell), and Ines Gonzales Casanova Soberon (Emory). The new members started

working right away with the GC on the INC Governance Document. The final document has been sent out for approval—please make sure you take a moment to read your emails and vote!

**Thursday, September 15** is the deadline for nominations for the Kellogg Prize in International Nutrition Research. This award

recognizes the excellence of the research and training of our members and the Kellogg lecture is the key event of our annual meeting each year. Please take a moment to reflect on your colleagues' work; I hope that you will put together a nomination for this important award. The invitation for nominations can be found on the awards page (http://www.nutrition.org/about-asn/awards/). Please contact me if you have questions or if you are interested in participating in an ad-hoc awards nominating committee to promote our members.

Abstracts for *EB2012* are now being accepted. We will continue our past practice of having one mini-symposium topic category—"International Nutrition" for abstract submission. Be proactive and encourage your colleagues to send their best abstracts on international work to the "International Nutrition" topic—regardless of their council or RIS affiliation. INC graduate students and international young professionals should be sure to submit abstracts on their international work. Those submissions will be able to compete for the EB2012 travel grants. If you are interested in co-chairing INC sessions, please contact me.

Our business meeting this year overflowed with excellent proposal suggestions for INC symposia for 2013. The GC would like to encourage the members to start working on these proposal ideas. All proposals that are submitted with INC sponsorship need to be reviewed by the GC first before they are submitted to ASN. We are happy to work with you to assure a strong proposal. Please plan to have a draft of your proposal to me before January 15, 2012. The table below lists the proposed topics and the member who proposed the idea (who may or may not be interested in developing the proposal) – please contact your colleagues directly if you are interested in working on one of these proposals.

Proponent	INC 2013 symposium topic
Keith West	Contextual determinants of whether an intervention is effective
	Long term benefits to modifying early life nutritional exposures through public health programs and the measure of their benefit:cost

Juan Rivera	Effect of diet transition in food systems & health implications
Ed Frongillo	Implications of innovations in social programs for participation by the poorest of the poor
Ken Brown	(a) Points in the agricultural value chain at which nutritional considerations could be incorporated; (b) Approaches to screening and treatment in community-based programs to manage acute malnutrition; (c) Methods for reaching the hard-to-reach populations with vitamin A and other interventions; (d) Mechanisms for integration of nutrition program activities for maximum impact; (e) Evidence of success in capacity development in nutrition; (f) Progress in thinking about biomarkers for nutrition; (g) A presentation of progress on the WHO Global Burden of Disease project (data on nutritional deficiencies should be available by 2013)
Kay Dewey	Home fortification of food
Maureen Black	Development of culturally sensitive measures of child development & parent-child interaction in diverse settings
Keith West	Role of cell phone technology in health service delivery
Meera Shekar / Ed Frongillo	Scaling Up Nutrition Interventions / Technological innovations to do so
Becky Stoltzfus	Progress toward the MDG
Donna Winham	Urban agriculture
	Long-term sustainability of food assistance programs Food security measurement and its effect on policy

I hope you all enjoyed your summer (or winter if you are south of the equator)!

Contributed by Grace Marquis, INC Chair grace.marquis@mcgill.ca

### Medical Nutrition Council (MNC)



We are actively planning the 2nd *Clinical Nutrition Update* to be held at ASN's Scientific Sessions & Annual Meeting at *EB2012*. This session will provide a concise, richly informative update on topics for which the field has seen rapid, recent changes. The topics, chosen after a 2010

needs assessment of nutrition educators, include cancer survivorship, nutrition and metabolic disorders; nutrition in oral health; iron supplementation; gluten enteropathy; and nutrition in hospitalized patients. We are seeking continuing education credits for clinicians, and discussions are underway to identify ways to make these presentations available to individuals who would like to update their lectures. Thank you to everyone who played a role in making all MNCsponsored programs to date this year a great success. I am especially thankful to the MNC Chair-Elect, Ed Saltzman, and all the MNC Councilors: Connie Bales, Mary Ann Johnson, Nancy Krebs, Sue Roberts, Robert Kushner, and Steven Smith.

I am happy to report that the Southern Society for Clinical Investigation has approved a MNC-sponsored program at their annual meeting in New Orleans, February 9-11, 2012. The program will consist of an invited speaker from the Pennington Biomedical Research Center. Drs. Steven Heymsfield and Becky Costello are planning the program. The deadline for abstract submission (in nutrition) for the February meeting is October 14, 2011.

Again, welcome to our new Secretary-Treasurer, Mary Ann Johnson and new MNC Councilors: Steve Abrams, Martha Ann Belury, Roger Clemens, and John Finley. Our warmest farewell goes to outgoing Councilors: Mary Ann Johnson, Sue Roberts, and Steve Smith who contributed so significantly to the mission of the MNC...thank you very much!

Contributed by Dr. Penny Kris-Etherton, MNC Chair pmk3@psu.edu

### **Nutritional Sciences Council (NSC)**



During the summer, the NSC has been meeting to plan activities for the coming year. Christine Swanson submitted a latebreaking workshop for the ASN Annual Meeting at EB called "Communicate Your Message" which will include communication

experts who will discuss how to best arrange and deliver a presentation so that listeners remember your message. A similar workshop was presented at the NIH with great success and we are looking forward to this one. The NSC is also co-sponsoring a latebreaking symposium on the nutritional regulation of epigenetic changes. Following the ASN overall updates, the MNC is working on updating its mission statement and strategic plan, including new initiatives in education and approaches to increasing membership. As always, any suggestions are welcome. Feel free to contact any member of the NSC. We have an updated website, so please check it out—and also check the interesting conversation themes that are developing on LinkedIn.

Contributed by Katherine Tucker, INC Chair Kl.tucker@neu.edu

### Research Interest Section (RIS) News



### **RIS Director**



The RIS represent ASN's strong commitment to provide community, interaction and mentorship by facilitating and promoting scientific exchange among ASN members who focus on specific scientific topical areas. Membership in one or more of the 15 RIS groups offers an

opportunity to meet, interact and network with others in your interest area. It also offers the

opportunity to participate in RIS activities, get to know and work with the RIS leadership, and to contribute to a variety of events at EB. For example, you can propose topics for annual program symposium and mini symposium, chair a mini symposium session, help host a webinar, review abstracts or be a judge for RIS sponsored awards. Throughout the year, RIS chairs contact members for input and ideas. Communication may be via the RIS list serve. Also, many of the RIS Chairs conduct electronic surveys to hear what you want or how you want to get involved with the RIS or ASN. Please take some time and read and respond to these communications as they come your way.

In particular, to those of you who want to be more involved with a RIS group or who are looking for the opportunity to get more leadership experience, contact a RIS Chair (see RIS reports for information). The benefits of such service can be great both professionally and personally. A leader takes many forms communicator, innovator, mentor, motivator, negotiator, and organizer—all important to ensuring the success of ASN and the realization of its goals. But equally important is the opportunity to develop, improve, and apply individual leader skills through RIS involvement and service. Consider, also the application of these skills and potential benefits to professional growth and advancement as well as to your personal goals and relationships.

Looking ahead, I encourage you to submit an abstract to one or more of the Minisymposia (oral and poster sessions) listed in the "Call for Abstracts" for *EB2012* for the meeting in San Diego. Abstracts are due November 8, 2011. Also, if you are not a RIS member, it is easy to join. ASN members should log in to the members' only area of the website using your username and password provided. You can join as many RIS groups as you prefer by visiting the "Update My Member Profile" page.

If you have any suggestions or comments, please feel free to contact me.

Contributed by Shirley Gerrior, ASN RIS Director shirley\_gerrior@msn.com

### **Aging & Chronic Disease RIS**

It is time to begin thinking about *EB2012* in San Diego, CA, April 21-25. The deadline for

submitting abstracts is November 8, 2011. We would like to encourage those who are developing abstracts that would be relevant to aging and/or chronic disease to submit their abstracts to one of our mini-symposia topics:

1) Nutrition and Cognitive and Mental Health in Older Adults, 2) Community Nutrition Programs and Policies for Older Adults 3) Nutrition Interventions for Risk Factor Modification in Chronic Disease, 4) Nutritional Assessment and Status in Older Populations, 5) Nutrition, Sarcopenia and Physical Performance in Older Adults, 6) Correlates, Consequences and Treatment of Obesity in Older Adults, and 7) Osteoporosis and Bone Metabolism in Aging.

We are also exploring potential topics of interest to our RIS membership to be developed into proposals for symposium at EB2013. Please contact me (dhouston@wakehealth.edu) with potential topics. It's not too early to start developing symposium topic ideas, contacting potential speakers, and pursuing funding in order to submit a well-developed symposium proposal. The RIS leadership can help facilitate symposium proposal development.

Contributed by Denise Houston, Chair dhouston@wakehealth.edu

### **CARIG**

CARIG continues to promote research into nutritional roles, functions, and actions of carotenoids and their metabolites.

**EB2012 update:** Please mark your calendars for several upcoming CARIG sponsored events to be held this spring at *Experimental Biology 2012* in San Diego. The CARIG 2012 Conference will again be held on the Friday afternoon before the Saturday opening of the ASN program. *EB2012* also will feature a CARIG/VARIG trainee poster and award session and business meeting during the annual social following the CARIG Conference. We have also re-designed the CARIG minisymposium topics for 2012:

- Carotenoids and Health
- Carotenoids II Molecular Mechanisms of Action
- Carotenoids III Bioavailability & Metabolism
- Carotenoids IV Eye and Brain Health

Thank you to all who have already volunteered to help us in the coming year. If you are interested in contributing as a RIS officer or

if you already have ideas for symposia or CARIG Conference topics for *EB2013*, please contact RIS leadership: Mario Ferruzzi (Chair, mferruzz@purdue.edu), Lew Rubin (Past Chair, ljrubin@ucsd.edu), Elizabeth Johnson (Treasurer, Elizabeth.Johnson@tufts.edu).

Additional information on these events will appear through the CARIG ListServe and in subsequent issues of *Nutrition Notes*.

Contributed by Mario G. Ferruzzi, Chair mferruzz@purdue.edu

# Community and Public Health Nutrition

The CPHN RIS strongly encourages members to submit symposia proposals for *EB2013*. Please send the chair, Sonya Jones (sjones@mailbox. sc.edu) a brief description of your symposium idea by October 31, 2011. The CPHN advisory group will review all submissions and select a short list from which full draft proposals by December 2011 will be requested. The final proposal is due March 2012. Please note these important dates in your calendar and start thinking about potential symposium ideas! As a reminder, the most successful and well-attended symposia are those which appeal to a broad spectrum of audiences.

As you likely already know, exposure often reaches far beyond the event itself. Some symposia are selected to be videotaped and hosted on the ASN website. In addition, most result in peer-reviewed publications (symposia proceedings are now published in the new ASN journal, *Advances in Nutrition*). Although advantageous, the publication process takes a lot of work so the CPHN advisory committee will offer support for publishing proceedings in the form of manuscript review and help with copy editing. In addition, travel support of up to \$500 will be provided for successful submissions.

Contributed by Kim Harding, CPHN RIS Communications Officer kharding@micronutrient.org

### **Dietary Bioactive Components**

The Dietary Bioactive Components RIS continues to focus on promoting research that aims to elucidate the biological, biochemical and genetic basis by which dietary bioactive

components may reduce risk of chronic disease, contribute to toxic effects or convey health benefits.

We would like to thank everyone who provided feedback in our quest for minisymposia topics, which helped us to design our list for *EB2012*:

- Epidemiologic associations between dietary bioactive components and health
- Bioavailability, metabolism and biomarkers of dietary bioactive components
- Mechanisms of action and molecular targets of dietary bioactive components
- Effects of dietary bioactive components on experimental models of chronic disease risk
- Antioxidant and anti-inflammatory effects of dietary bioactive components
- Cardiovascular effects of dietary bioactive components
- Systems biology approaches to study dietary bioactive components
- Dietary bioactive components of medicinal, functional and whole foods including probiotics and fermented foods.

Please let us know if you are interested in chairing any one of the sessions, specifically, if you are a student as we are planning to have a student chair for each of the sessions in addition to the chair and co-chair.

The next EB meeting will be April 21-25, 2012, in San Diego, CA, and we are planning to have our business meeting again on Saturday. Make sure to attend—we will keep you in the loop regarding our other planned activities ahead of time.

A big thank you again to everyone who has volunteered this past year, and to those who have volunteered to help us in the coming year. If you have ideas for *EB2013* symposia, or an idea for a webinar session that can be planned outside of EB, please forward these to Susanne Talcott (smtalcott@tamu.edu) to develop a proposal.

Our new officers after the *EB2011* elections: Hsueh-Li (Shirley) Tan from The Ohio State University Medical Center is our new Student Representative for 2011-2012. We look forward to working with Shirley and the growing Student Interest Group this year, we have lots of great activities planned for the upcoming *EB2012* meeting. Congratulations to G. Keith Harris from North Carolina State University, our new Chair-Elect, and Kee Hong Kim from

Purdue University, who remains Treasurer/ Secretary. A big thank you goes to Jenna Cramer, University of Illinois for her great contributions. Lastly, I would like to give special thanks to Past-Chair Nathan Matusheski from Kraft Foods for his excellent leadership, organizational skills and ongoing support.

If you have suggestions for the RIS, please feel free to contact any of us. Also, please let us know if you would like to get actively involved, there are several opportunities in our RIS available for members and student members. If you are interested in becoming a member of our RIS it will just take a few minutes through the ASN member section.

Contributed by Susanne Talcott smtalcott@tamu.edu

# Energy and Macronutrient Metabolism (EMM)

The Energy & Macronutrient RIS welcomes ASN members interested in the function and metabolism of carbohydrates, lipids, proteins, and amino acids. You may join EMM-RIS by updating your member information within your "My Account" on the ASN website. Please consider encouraging colleagues with these interests to join as well! Our large and active membership allows us to support a variety of minisymposia and full symposia at Experimental Biology meetings. The EMM-RIS will be organizing the following ASN minisymposia topics for *EB2012*:

Energy balance, macronutrient and weight management

Chairs: Marta VanLoan and Leah Whigham



ASN leaders are excited to show off Dietary Reference Intakes for Koreans, First Revision.

Obesity and the metabolic syndrome (Cosponsored with the Obesity RIS) Chairs: Sai Das and Victoria Vieira Potter

Protein and amino acid metabolism Chairs: Elena Volpi and Stephanie Chevalier

Lipid and fatty acid metabolism and transport Chairs: Tom Brenna and Meng-Chuan Huang

Dietary factors affecting lipid metabolism Chairs: Kee-Hong Kim and Cynthia Smas

Polyunsaturated fatty acids and health Chairs: Kate Claycombe and Donald Jump

Metabolic phenotyping, metabolomics and biomarkers

Chairs: Sean Adams and TBD

Carbohydrate metabolism

Chairs: Buford Nichols and Bruce Hamaker

Regulation of food intake (Cosponsored with the Obesity RIS)

Chairs: John Aplozan and Jim Hollis

Please consider submitting your abstracts to one of these sections for Experimental Biology 2012 in San Diego (abstracts are due November 8). If you have suggestions for future minisymposia, full symposia or anything regarding EMM please contact Doug, Kim or Heather (contact information below). Also, if you have information you would like to share with the EMM-RIS group, please use the listserv function for the EMM-RIS (Doug can help with any questions).

Have a great fall!

Contributed by Douglas G. Mashek, Chair dmashek@umn.edu on behalf of: Heather J. Leidy, Chair-elect leidyh@missouri.edu Kimberly K. Buhman, Past-chair kbuhman@purdue.edu

#### Lactation

We welcome Beth Widen and Hannah Holscher as our new Lactation RIS Student Representatives. Beth Widen is from the University of North Carolina at Chapel Hill and Hannah Holscher is from the University of Illinois at Urbana-Champaign.

Abstracts for *EB2012* are due November 8, 2011. Topics for the Lactation minisymposiums are:

- 1. Lactation: biology of milk production and secretion (considering the maternal perspective—how is the milk produced and secreted in the mammary gland and what influences it on a cellular and molecular level)
- 2. Milk Bioactive Compounds (considering the infant's perspective—how do milk components affect the infant on a cellular and molecular level)
- 3. Breastfeeding: Determinants of initiation, duration and other lactation success outcomes (considering research related to a better understanding of—or interventions aimed at improving—breastfeeding initiation, duration, or exclusivity; also research related to characterizing or minimizing barriers to lactation success such as in-hospital formula use, delayed lactogenesis, poor infant suck, sore nipples, etc.)
- 4. Breastfeeding and human milk: effects on the recipient infant and/or lactating mother (considering research related to differences in maternal or infant health, well-being, development, etc. among those exposed to lactation/breastfeeding/human milk vs. those not exposed)

We need additional reviewers for abstracts. If you are interested, please contact Lars Bode at lbode@ucsd.edu.

Student ISRHML travel award applications for *EB2012* are due December 1, 2011. To apply for these awards, students must have their faculty advisor send their abstract and their advisor's endorsement to Lars Bode at Ibode@ucsd.edu).

The request for proposals for *EB2013* symposium is due March 2012. Please contact Lars Bode with any suggestions you may have regarding a symposium sponsored by our Lactation RIS.

We look forward to reviewing your abstracts for another exciting ASN Scientific Sessions at Experimental Biology meeting.

Contributed by Cheryl Lovelady, Chair-Elect, Lactation RIS cheryl\_lovelady@uncg.edu

#### **Nutrient-Gene Interaction**

The Nutrient-Gene Interaction RIS (NGI-RIS) would like to invite ASN members interested in nutrient effect on gene/protein expression, epigenetics, nutrigenomics, and metabolomics to join us to have opportunity to contribute to a variety of events at EB2012. We currently have several NGI-RIS leadership opportunities and EB activities you can consider getting involved in. These leadership opportunities and EB activities include proposing topics for future EB symposiums and mini symposiums, chair or co-chair EB sessions, help hosting NGI-RIS initiated webinars, review abstracts, or serving as a judge for NGI-RIS sponsored graduate student poster competitions. For more information, you can contact the current NGI-RIS chair (see the contact information below). The chair will contact members for input and ideas via the NGI-RIS list serve. NGI-RIS will also conduct electronic surveys to hear how you want to get involved with the NGI-RIS.

We would like to thank the following NGI-RIS advisory board committee members for their services during year 2011-2012. (The NGI-RIS welcomes interested senior and junior faculty, postdocs, and graduate students to volunteer and be considered to serve on our advisory board committee. Please contact the current NGI-RIS chair for more information.)

Richard Wood (University of Massachusetts)
Sang-Woon Choi (Tufts University)
Mazen J Hamadeh (York University)
Naima Moutaid-Moussa (University of
Tennessee)

Yuan-Xiang Pan (University of Illinois at Urbana)

Matthew Rowling (Iowa State University)
Kevin Schalinske (Iowa State University)
Kate Claycombe (USDA ARS GFHNRC)
Graduate Student Representative: Kristina
Martinez (Univ. of North Carolina—
Greensboro)

Postdoctoral Representative: Kelly Williams (Hudson Alpha Biotech Institute)

Please consider submitting your abstract(s) to any applicable mini-symposia at *EB2012*:

- Epigenetics and Nutrition
- DNA Methylation in Disease
- Maternal-fetal Programming of Gene Expression
- Nutrient Gene Interaction in Neurodegenerative/ neuromuscular Disease

- Nutrient-sensing Mechanisms
- Nutrient Gene Interactions (I)
- Nutrient Gene Interaction (II): Animal Models of Human Disease
- Obesity, Inflammation and Nutrigenomics

Your attendance and involvement in these minisymposia is critical for our NGI-RIS success and is most appreciated.

At *EB2012*, NGI-RIS will sponsor a symposium titled "Adipose Dysfunction, Interaction of ROS and Inflammation." This symposium endorsed by the NGI-RIS, Obesity RIS, and Energy Metabolism RIS.

In addition to *EB2012* NGI-RIS initiated symposium that is endorsed by Obesity RIS, and Energy Metabolism RIS, NGI-RIS also has been working with Vitamin and Mineral RIS to hold joint Graduate Student Poster Competition and receptions over the last several years. We plan to continue this tradition to further increase ASN member interaction and networking oppurtunities with others in your interest area!

We look forward to receiving your abstracts for the NGI-RIS sponsored sessions!

> Contributed by Kate Claycombe, Chair, Nutrient-Gene Interaction RIS Kate.Claycombe@ars.usda.gov

### **Nutrition Education**

I would like to take the opportunity to introduce myself. I am Suzie Goodell from NC State University, and I am your Nutrition Education RIS chair for 2011-2012. Others on this year's executive council include:

- **Past Chair:** Georgianna Tuuri, Louisiana State University
- **Chair-Elect:** Joyce Gilbert, California State University Northridge
- Communications Coordinator: Henna Muzaffar, University of Illinois
- Student Representative: Natalie Cooke, North Carolina State University

As the RIS chair, my charge is to provide leadership to strengthen our RIS. This year, I have two goals for our RIS: 1) increase member involvement in RIS activities and 2) provide professional development, mentoring, and support to our junior members. I have developed what I believe to be are many

great opportunities for you, the members of the Nutrition Education RIS, to get involved and be an active part of the RIS and ASN.

### **Goal 1: Increase Member Involvement in RIS activities**

Look for some of these ways to get involved in our RIS in upcoming listserv e-mails:

- 1) In September 2011, join a RIS action committee, targeting development of:
  - A mentoring program for junior members;
  - Review articles to be sponsored the Nutrition Education RIS; or
  - Awards and recognition for outstanding RIS members.
- 2) By Tuesday, November 8, 2011, submit abstracts for *EB2012* to minisymposia sponsored by our RIS. Plan now for poster and oral presentations in these eight categories:
  - Aligning Nutrition Education Programs and Research to Promote Change
  - Preventing Childhood Obesity
  - Synergy Between Nutrition Education and Industry Initiatives
  - Nutrition Education in Diverse Populations
  - Development of Evidence-Based Nutrition Education
  - Behavioral Science and Eating Behavior Change
  - Nutrition Interventions in Diabetes Care
  - Nutrition Education in "the Field": Interventions related to Farm and Garden Programs
- 3) In March 2012, volunteer to review expanded abstracts for the graduate student and postdoctoral fellow competition.
- 4) In March 2012, nominate yourself for a position on Nutrition Education RIS executive council. Upcoming openings include: chair-elect, communications coordinator, and postdoctoral and graduate student representatives.
- 5) April 21-25, 2012, attend Experimental Biology in San Diego. While you are there, be sure to join our annual business meeting. Everyone is welcome; bring a friend!

### Goal 2: Provide Professional Development, Mentoring, and Support to Our Junior Members

The future of our RIS relies of our junior members, including young faculty, postdocs, and graduate students. At Experimental Biology 2012, I would like our RIS to host the first annual professional development workshop for junior members. This meeting will be designed to help our junior RIS members network with more established members of the field, as well as provide opportunities for mentoring and professional development. I have visions of grandeur, including a dinner for participating junior members and their new RIS mentors. However, my vision will not come to fruition without help from committed RIS members. Again, look for announcements on ways you can get involved in upcoming listserv e-mails.

In case you are not aware, most, if not all, RIS communications will be relayed through our listserv. After this month, all *Nutrition Notes* will be online only. We will also distribute our RIS column through the listserv. If you are not a member of our RIS, you will not receive the listserv e-mails. Joining is easy; just signup for free online at the ASN website on your membership page.

If you have any ideas you would like to share, please contact me. Again, I look forward to serving you and you serving the RIS.

Contributed by Suzie Goodell, Chair suzie goodell@ncsu.edu

### **Nutritional Immunology**

The Nutritional Immunology RIS hosted a Summer Research Conference in Carefree, AZ. Simin Meydani and Melinda Beck organized an excellent program featuring over 50 abstracts of talks and posters. In particular, we would like to acknowledge the international attendees for enduring long trips from Canada, Europe and Asia to present cuttingedge research occurring across the globe. Graduate students and postdocs participated in a poster competition for travel awards. Congratulations to the winners: Jennifer Monk, Texas A & M; Jot Hui Ooi, Pennsylvania State University; J. Justin Milner, University of North Carolina; Maria Carlota Dao, Tufts University. The next NI-RIS hosted SRC will

be in 4 years, summer of 2015, at a location to be determined and organized by Melinda Beck and Robert Chapkin. In summary, we would like to thank the organizers, sponsors, presenters, and all attendees who made the conference a success.

We would like to take this opportunity to announce the launch of NI-RIS Twitter (@NutImmRIS) and Facebook (Nutritional Immunology RIS) websites. You may also email the RIS at nutimmris@gmail.com. The goal of these websites is to increase communication within our RIS and highlight member accomplishments. Experimental Biology 2012 is in San Diego, CA and abstracts are due November 8, 2011. At EB we will hold our annual business meeting and poster competition. Details of the business meeting will be posted on Twitter, Facebook, and Nutrition Notes as they become available. In conclusion, the NI-RIS is looking to expand its membership and increase communication. Recruit and encourage colleagues to join ASN and our RIS. Follow the latest updates and news on Facebook and Twitter. We hope everyone has had a great summer and anticipates an exciting and productive upcoming year.

Contributed by David Duriancik, PhD, Secretary durianci@msu.edu

### **Nutrition Translation**

Key action steps by the Nutrition Translation RIS-from Bench to Consumer during May to August 2011 include the following:

- Welcome New Officers for 2011-2012—The officers include Chair, Patricia Williamson-Hughes; Chair-Elect, Susan Percival; Treasurer, Guy Johnson; Secretary, Beth Rice. Rachel Cheatham will serve in the new role of Communications Officer and in addition, Dr Lewis Rubin will serve as an advisor. Welcome new officers!
- Real Food in the Real World—A symposium titled, "Real-World Nutritional Translation Blended with Food Science" has been accepted for programming at *EB2012*. The session, chaired by Mario Ferruzzi, PhD, and Roger Clemens, Dr PH, will explore the evolving intersection of nutrition and food science.
- **Be Heard at** *EB2012*—Be a dialogue leader and submit your abstract by November 8, 2011. Mini-symposia topics

#### include:

- The use of consumer research insights to guide scientific research
- Nutrition science translation for policy, practice and consumers
- Understanding and communicating benefits/ risks of natural-state foods
- Nutrition and Sustainability
- Food related behaviors—critical for food policy
- Nutrition science applied through food science for health
- Clinical support for novel food ingredients
- Translation of nutrition science to public health

Contributed by Patricia Williamson-Hughes, PhD Patricia. Williamson-Hughes@tateandlyle.com

### **Vitamins and Minerals**

Greetings Vitamins & Minerals (VM) RIS members! It is a great honor to serve as the VM RIS chair this upcoming year and I look forward to expand upon the great work of our past RIS Chairs/Steering Committees. My primary goal is to enhance membership experience and promote a more active RIS with greater leadership opportunities for all. Over the next year we would like to begin activating against four specific goals and ask for your help.

## Over the next three years, we have four primary goals:

- 1. To develop a strategic plan for how the vitamins & minerals RIS can better meet the needs of the membership and become a leading voice representing vitamins and minerals research.
- 2. To develop a plan for more efficiently and effectively increasing sponsorship for the poster competition, symposia and publication, etc.
- To increase engagement of the membership and create an environment that enhances networking and collaboration opportunities among members and beyond.
- 4. To organize an advisory panel to provide guidance to the VMRIS

It is my pleasure to introduce to you the Steering Committee:



Chair, Susan Zaripheh susan.zaripheh@ saralee.com Sara Lee Corp



Chair Elect, Guoxun Chen gchen6@utk.edu The University of Tennessee at Knoxville



Secretary/ Treasurer, Anne Kurilich anne.kurilich@ pepsico.com PepsiCo

We have already begun to activate our goals and want to share leadership opportunities available to you. A common goal of all of the RIS is to increase engagement of our membership and we ask that you help us become the most active RIS and use this opportunity to grow both professionally and personally. Below is a list of opportunities to become more active:

- Sponsorship Committee: Increasing engagement and leadership opportunities for members requires financial resources. We are asking for volunteers to serve on a recently developed Sponsorship Committee to help solicit funding. This is a critical committee that will also allow significant networking opportunities. Students, Post-Docs & Faculty/Professionals are all welcome. If interested please send an email to Anne Kurilich: anne.kurilich@pepsico.com
- 2. **Student Representative:** We are in search of a student representative to help ensure student focused activities are appropriately planned. If you are interested or want to nominate a colleague to serve as the student representative please send an email to Susan Zaripheh: susan.zaripheh@saralee.com. The responsibilities of the student RIS representative includes: Network with students to encourage membership in ASN and the VM RIS and attend the annual RIS business meeting. Work to solicit students and post-docs to submit abstracts for the RIS poster competition. Report to VM RIS Chair and steering committee on activities of the Student RIS group.
- 3. **Advisory Board:** We are fortunate to already have volunteers for the Advisory Board but if you have interest in being considered for the Advisory Board for either this year or next year please send an

email to Susan Zaripheh susan.zaripheh@ saralee.com.

I would like to introduce our Advisory Board for this year. Please help me welcome Carol Johnston (immediate past-Chair), Jean Freeland-Graves from University of Texas, Chris Cifelli from the National Dairy Council, Cristina Palacios Alzuru from the University of Puerto Rico and Angela Devlin from University of British Columbia.

- 4. **Judge Posters:** We are in need of Poster Judges. If you are a professional member and are interested in serving as a judge for the student poster competition, please send an email to Guoxun Chen gchen6@ utk.edu and please indicate whether you are a vitamins or minerals expert. Judges' responsibilities include reviewing abstracts, judging posters, and selecting the top posters/presenters for awards at the VMRIS business meeting.
- 5. Mentor/Mentee: We are forming a mentoring program for students, post-docs and early career members and are in search of members from academia, industry and government who would be willing to serve as a mentor to those who will be the future of our society and field. The goal of the mentoring program is to allow those early in their careers to have an opportunity to gain advice and guidance from those outside their current network. This will be a one year commitment where you will exchange email addresses and determine your level and type of interaction. We will help pair mentees with mentors. The goal is to interact as your schedules permit via phone/ email prior to the annual meeting and meet in person during our networking session/ poster competition. If you have greater than 5 years of professional experience and would like to serve as a mentor please send an email to Guoxun Chen gchen6@utk.edu. If you are a student, post-doc or have less than 5 years of professional experience and would like to be matched with a mentor please send an email to Dr. Guoxun Chen gchen6@utk.edu and indicate your career level and the type of mentor you are looking for (e.g. academic, industry, government).
- 6. **Student Competition:** The VMRIS hosts an annual poster competition for graduate students and post-doctoral researchers.

- Please take advantage of this opportunity to share your research and enhance your presentation skills. Please encourage your students and post-docs to submit abstracts for the *EB2012* competition in San Diego, CA. These competitions are exciting for the participants and engaging for all in attendance. Through the generosity of our industry sponsors, the top three poster presenters receive monetary awards. If you are interested in submitting an abstract for the poster competition please submit your abstract to Dr. Guoxun Chen qchen6@utk.edu
- 7. **Subcommittee on Award Nominations/ Recognition:** This committee will place a call for nominations of outstanding VMRIS members to be recognized at the annual business meeting. They will also vote for the winner and help present the award at the annual business meeting. If you are interested in serving on either committee, please contact me.
- 8. Promote Vitamins & Minerals Symposia at Annual Meeting: If you have any ideas for symposia at future meetings please consider submitting a proposal or contact me to share topic ideas so we may strengthen the presence of Vitamins & Minerals research at the annual meeting. We can help facilitate proposal development and help pursue funding. Your involvement in the VM RIS is greatly appreciated and I look forward to hearing from you.

Hopefully you can see the significant efforts we have made to provide leadership opportunities for you to become more active in our RIS. We hope that you will take advantage of one or more of these opportunities and make the Vitamins & Minerals RIS not only one of the largest research interest sections but also the most active. Please encourage your colleagues and students to join and feel free to send me any information that you would like to contribute in future postings to our members.

We look forward to sharing more information in the upcoming weeks. Please look for a survey that will be sent out in the upcoming weeks to help us better understand who you are and how we can better serve you. The responses to this survey will help guide the efforts of the Steering Committee and Advisory

Board. Hope you have a great and productive start to your fall.

Contributed by Susan Zaripheh, PhD, Chair susan.zaripheh@saralee.com

### Member Spotlight



### **East Spotlight**

From the Graduate Program in Nutrition at The Pennsylvania State University: Catharine Ross attended the ASEB Summer Conference on Nutritional Immunology: Role in Health an Disease, in Carefree, AZ. July 10-15, where she spoke on Vitamin A and Gene Expression. Dr. Ross also participated in a Meet the Experts roundtable with students and postocs. Gordon Jensen, May-June 2011: Elected member—American Society for Parenteral and Enteral Nutrition Foundation Board; named as Co-Director, CTSI K12 Training Program, Penn State University.

From the University of Maryland Department of Nutrition and Food Science: Robert Jackson completed a one year sabbatical where he was a Visiting Professor of Nutrition at Kuwait University.

From Rutgers University Department of Nutritional Sciences: Dawn Brasaemle gave an invited lecture "Control of Lipolysis by Perilipins in Adipose and Non-Adipose Cells" at the April 26th meeting of The New York Lipid and Vascular Biology Research Club at The Rockefeller University. Dr. Brasaemle gave invited lectures on "Perilipin Control of Lipolysis" at the Keystone Symposium on "Lipid Biology and Lipotoxicity" in Killarney, Ireland, May 15-20, and also at the Steenbock Symposium on "The Metabolism of Lipids: Implications in Human Diseases" at the University of Wisconsin, Madison, WI, May 22-25. She also gave an invited lecture "Control of Lipolysis by Lipid Droplet Proteins" and the 71st Scientific Sessions of the American Diabetes Association, June 24-28 in San Diego, CA. On behalf of the Get Moving - Get Healthy New Jersey team, Nurgul Fitzgerald (PI, multi-PIs: Annette Devitt, Daryl Minch, Kathleen Morgan, Marilou Rochford) accepted the Society for Nutrition Education, Public Health Nutrition Program

Award at the Society for Nutrition Education Annual Conference in Reno, NV on July 25, 2010. Get Moving—Get Healthy NJ is a multifaceted initiative that brings together the Extension, academic, public and private partners' resources to promote healthier lifestyles for children, youths, and adults. Dr. Fitzgerald has been elected as the Co-Chair of the New Jersey Chronic Disease Council which provides guidance for the State Chronic Disease Public Health System and the Chronic Disease Prevention and Control Program. Daniel Hoffman gave an invited lecture on "Early Nutrition and Long-Term Metabolic Complications" for the Department of Physiological Sciences, Institute of Biology at the State University of Rio de Janeiro, Rio de Janeiro, Brazil, on May 20, 2011. Sue Shapses gave an invited keynote lecture titled "Obesity Influences Body Composition and Bone Quality" at the 9th International Conference on In Vivo Body Composition and also another oral presentation titled "Changes in body fat distribution during weight reduction predict bone loss" in Hangzhou, China on May 21-23. Dr. Shapses began the position of elected Chair, NJ Interagency Council on Osteoporosis for 2011-2013. The agency advises the Department of Health and Senior Services on the development, implementation, and evaluation on osteoporosis prevention and education programs for the benefit of state residents.

From the Office of Dietary Supplements:
Marguerite Klein retired from the ODS in
July. She served as the director of the NIH
Botanical Centers Research program and
was a health science administrator. Johanna
Dwyer attended the 11th Asian Congress
of Nutrition in Singapore in July and gave a
presentation, "Are dietary supplements part of
healthy Asian diets?" in a debate format with
colleagues from Taiwan. Johanna Dwyer and
Leila Saldanha are serving on the Program
Committee of the National Nutrient Databank
Conference to be held in March 2012 in
Houston, Texas.

NIH/Office of Dietary Supplements (ODS) has embarked on the development of an international program to standardize the measurement of vitamin D status in national health surveys, known as the *Vitamin D Standardization Program* (VDSP). Surveys from Australia, Canada, Germany, Ireland, Mexico, South Korea, U.K. as well as the

U.S. NHANES are participating in the VDSP. NIH/ODS, CDC, and the National Institute for Standards and Technology's (NIST) are leading the effort with Dr. Christopher Sempos of NIH/ODS (semposch@mail.nih.gov) is coordinating the international program. Also, included in the VDSP is the CDC Vitamin D Standardization Coordinating Center led by Dr. Hubert Vesper (HVesper@cddc.gov). The program's goal is to improve the detection, evaluation and treatment of vitamin D malnutrition by making measurements of serum total 25-hydroxyvitamin D (250HD) accurate and comparable over time, location and laboratory procedure (Federal Register 2011;76(41):11502).

The Office of Dietary Supplements (ODS) held an Iodine Workshop, May 12-13th in Bethesda, MD. Among the topics considered, the group discussed research needs that could inform future revisions of DRI's for iodine, last published in 2001. Much of the meeting was focused on the assessment of iodine status and health outcomes, particularly among vulnerable population groups. Maternal deficiency of iodine, for example, is the leading cause of mental retardation worldwide. NHANES data show that the U.S. population does not suffer from severe iodine deficiency found in some developing countries. However, some workshop participants expressed concern about the adequacy of iodine status of both pregnant women and infants. The meeting was attended by national and international experts conducting iodine research, program representatives from a number of NIH Institutes in addition to other Federal Agencies. An executive summary of the meeting is in preparation. For further information, contact Christine Swanson at 301 435-2920.

From the Beltsville Human Nutrition Research Center, Beltsville, MD: Joanne Holden and Alanna Moshfegh, Research Leaders of the Nutrient Data Lab (NDL) and the Food Surveys Research Group (FSRG), part of BHNRC, are leading the USDA/ARS project to monitor sodium in processed foods to establish a benchmark to evaluate changes in sodium content introduced by industry in collaboration with scientists at CDC and FDA. Joanne is presenting the current plan at the International Food Data Conference Norwich, U.K. in September. David Haytowitz, ARS scientist in the Nutrient Data Lab, spent June

& July on assignment to the FAO in Rome on a project comparing foods in the USDA food composition tables to commodities in other countries to assist in developing a database to determine nutrient sufficiency in developing countries. NDL and FSRG hosted Siew Sun Wong of Utah State University as a visiting scholar in the summer for a study on Asian foods consumed in the U.S. because of NDL's ongoing emphasis on sampling and analysis of ethnic foods for the USDA National Nutrient Database for Standard Reference and the oversampling of Asian Americans in the upcoming What We Eat in America, NHANES 2011-12. Ross Watmuff of the Household Survey Methodology group with the Australian Bureau of Statistics met with staff of the Food Surveys Research Group (FSRG) in July to reporting and analysis of national dietary survey data in preparation for the Australian Health Survey 2011-2013. FSRG staff conducted a Dietary Intake Data System training workshop in July for Joanne

### Call for Nominations 2012 W.O. Atwater Memorial Lecture

The Agricultural Research Service, USDA's chief scientific agency, is seeking nominations for the 2012 W.O. Atwater Memorial Lectureship, to be presented at Experimental Biology 2012 in San Diego, April 21-25.

The Lectureship was established to honor the memory of Wilbur Olin Atwater (1844-1907) and to recognize scientists who have made unique contributions toward improving the diet and nutrition of people.

The lecture is on a scientific trend or policy issue of the lecturer's choice. An honorarium of \$2,000, a medallion, and expenses to attend the meeting to present the Lecture are part of the award.

Send a candidate's CV and a letter explaining their contributions to nutrition to: Kim Kaplan, ARS Information Staff, Room 1-2253, 5601 Sunnyside Ave., Beltsville, MD 20705, phone 301-504-1637.

Deadline for nominations— Nov. 4 (COB). Arsenault and a team of researchers from RTI International as part of a joint collaboration on dietary intake research. Gloria Solano-Aguilar, a scientist in the Diet, Genomics, & Immunology Laboratory at BHNRC, gave two presentations at the FASEB Summer Conference on probiotics held in Arizona in July; Joe Urban, Research Leader of the Lab, participated in the NIH/NIAID Tropical Medicine Research Centers (TMRC) Initiative Review in September. Tom Wang, also of the same lab, conducted a week-long workshop on identification and evaluation of phytochemicals through the application of nutrigenomics at the Shanghai Jiao Tong University Center for Food Safety and Human Nutrition in early August. Ellen Harris, Associate Director of BHNRC, was on loan during FY2011 to the U.S. Agency for International development as Senior Nutrition Advisor to manage and launch the Nutrition Collaborative Research Support Program (CRSP). The Nutrition CRSP is working with USAID missions, development partners and host countries (Uganda and Nepal) through their Feed the Future Implementation Plan and Food Security Country Investment Plans to determine needed investments in agriculture, health and nutrition, institutional and human capacity development, and policies to achieve large scale improvements in nutrition outcomes for women and children. Allison Yates, Ben Caballero, and Natalia Schroeder traveled to Suwon, Republic of Korea, as part of a joint collaboration between BHNRC/ARS/USDA and the Korean Rural Development Administration to evaluate the health benefits of the Korean diet. Yangsuk Kim, Young-Hee Park, and Min-Sook Kang are all visiting scientists from the Korean RDA working at BHNRC on the fouryear project. Allison Yates was appointed Associate Area Director of the ARS Beltsville Area in August; a search will be conducted for her successor as Director of BHNRC. Pei Chen, Research Scientist in the Food Composition & Methods Development Lab, organized a visit and worked with a group of scientists from the Provincial Science and Technology Department of the Hunan Academy of Agricultural Sciences in Hunan, China to develop a new collaboration during their visit to the Beltsville Agricultural Research Center in June.

From the Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University: Bess Dawson-Hughes, Director of the Bone Metabolism Laboratory, made a presentation to the ECCEO—European Osteoporosis meeting, in Valencia, Spain, in March. Simin Nikbin Meydani, Director of the HNRCA and Director of the Nutrition Immunology Laboratory, gave a lecture on "Immunity and aging" at the 5th International Workshop on Immunonutrition in Puerto Vallarta, Mexico. She also co-chaired with Dr. Melinda Beck the Summer FASEB Conference on Nutritional Immunology: Role in Health and Disease, in Arizona. Joseph Kehayias, Director of the Body Composition Laboratory, was appointed as the chair of the External Evaluation Process of the Department of Science of Dietetics and Nutrition of the Harokopio University, Athens, Greece by the Hellenic Quality Assurance Agency for Higher Education. Sarah Booth, Director of the Vitamin K Laboratory, cochaired with Dr. Kathleen Berkner the Summer FASEB Conference on Molecular, Structural, & Clinical Aspects of Vitamin K and Vitamin-K Dependent Proteins, held in Arizona. Alice Lichtenstein, Director of the Cardiovascular Nutrition Laboratory, was a speaker for the Nation Lipid Association on May 21st, where she presented on "Dietary Saturated Fat and CVD Risk Reduction: What Do the Data Support?" in New York City. Joel Mason, Director of the Vitamins and Carcinogenesis Laboratory, was name Best Gastroenterologist in Boston by Boston Magazine, December 2010. Irwin Rosenberg was named Interim Lab Chief of the new Nutrition and Neuroscience Laboratory at the HNRCA, Mohsen Meydani, Director of the Vascular Biology Laboratory gave a lecture on "Nutrition and Aging" at the Harvard Longwood Nutrition Seminar,



Robert Russell visits with Linda Meyers (left) and Sally Squires (right) during the ASN Sustaining Member Networking reception.

Boston, Massachusetts in March 2011. Xiang-Dong Wang, Director of the Nutrition and Cancer Biology Lab was named honored visiting professor of the Zhejiang University in Hangzhou, China 2010-2013. Allen Taylor, Director of the Laboratory for Nutrition and Vision Research, was named chair of the NIH Study Section on Macular Degeneration; Taylor was also elected Vice President of the International Society for Eye Research.

The HNRCA hosted a spring seminar series, "Epigenetics in Health and Disease," featuring prominent guest speakers Sang Woon Choi, HNRCA at Tufts University; Gavin Schnitzler; Sackler School of Graduate Biomedical Sciences; Judith Christman, University of Nebraska Medical Center; Tracy Bale, University of Pennsylvania; Carlo Croce, Ohio State University; Paul Wade, NIEHS / NIH; Xiaodong Cheng, Emory University; Manel Esteller, Centro Nacional de Investigaciones Oncologicas (CNIO); Trygve Tollefsbol, University of Alabama at Birmingham; and Paul Soloway, Cornell University.

### Latin America/Caribbean Spotlight

From Colombia: Helena Pachón presented "Improved agriculture-nutrition linkages through production and promotion of nutrient-dense foods" at the Food Security and Nutrition Network's Spring Technical Meeting in Baltimore in May.

From Guatemala: Gaby Montenegro-Bethancourt began a leave of absence from Cessiam to travel to Goettingen, Germany for language studies prior to beginning her doctoral studies at the University of Bonn with base at the Institute for Child Nutrition in Dortmund, Monica Orozco travelled to Aberdeen, Scotland to present at the 4th Trace Elements in Foods meeting. She presented an invited talk entitled: "Are women protected from adverse colonic consequences of dietary iron? Evidence for gender-related variations in intra-intestinal reactive oxygen species (ROS) generation." Colleen Doak spent the month of June in Guatemala working on the final project reports of four Vrije University exchange-students, working in a field project on appropriate early feeding of Marieke Vossenaar. As the 2010 winner of the Medal of Science and Technology, Noel Solomons was invited to be the closing speaker at a mini-congress on applications

of biochemistry and microbiology to science, society and education at the Universidad del Valle of Guatemala on the topic of Challenges and Opportunities for a Scientific Career in Guatemala. Noel went to Washington, for the Nestle Creating Shared Values Forum III. He attended the Asian Congress on Nutrition in Singapore, and spoke to Southeast Asian ILSI on the question: "Can family foods provide safe and adequate nutrition as complementary feeding during the weaning period?" He also became a member of the Board of Directors of the newly created Essential Micronutrients Foundation, based in Singapore.

Benjamin Caballero visited INCAP in July to present a conference entitled "Prevention of Obesity in Children: Opportunities and Challenges". During his visit, Benjamin shared with researchers at INCAP on the latest scientific evidence on children's cardiovascular health, and worked on a proposal in the field of implementation research on prevention and control of hypertension, to be submitted to NIH.

Dr. Eduardo Villamor (Michigan University) and Dr. Ronald J. Bosch (Harvard University) offered a course on "Data management on population studies" in the Dominican Republic between May 23-25, 2011. Attendants included thirty-one young researchers associated with INCAP Comprehensive Center for the Prevention of Chronic Diseases in Mesoamerica and Dominican Republic (CIIPEC-INCAP), nine Universities of Central America, Mexico and Dominican Republic, the World Food Program in Latin America and other institutions related to research on chronic diseases.

In June, Manuel Ramirez from INCAP participated at the Pan American conference on obesity—with special attention on childhood obesity—organized by the Ministry of Health from Aruba and supported by the Pan American Health Organization. Manuel Ramirez was invited by NIH to participate on the workshop entitled "Measurement of Active and Sedentary Behaviors: Bridging Methodological Approaches in Pan American Research", which took part in Guadalajara, Mexico in late July, and following he attended the annual meeting on Physical Activity Network of the Americas.

Manuel Ramirez was invited to participate in the scholarship program for researchers from

Central America for the ENLACE (Enhancing Scientific Cooperation between the European Union and Central America) project. Dr. Ramirez will participate at the World Congress of Epidemiology to be held in Edinburg in August, were the results of the COHORTS study will be presented. He will also visit the International Center for Cardiovascular Research at Madrid, Spain.

### **North Spotlight**

From University of Illinois, Urbana, Division of Nutritional Sciences: John Erdman received the Norman Krinsky Award for Lifetime Achievement in Research on Carotenoid Nutrition at the 16th International Carotenoid Society Meeting in Krakow, Poland in July, 2011.

Elvira de Mejia received a 2011 Teacher Fellow Award from the North American Colleges and Teachers of Agriculture (NACTA).

Rodney Johnson gave the following invited presentations: "From inflammation to sickness and dementia: When the immune system subjugates the brain," American Association for Geriatric Psychiatry, The Neurobiology and Neuropsychology of Cognitive Aging, San Antonio, TX; "Food for thought! Can flavonoids reduce inflammation and improve cognitive aging?" FASEB Summer Conference, Carefree, AZ; and "The piglet as a translational model for studying brain and cognitive development," Swine in Biomedical Research Conference, Chicago, IL.

Yuan-Xiang Pan was invited to give a talk on "The role of the Placenta in Early Programming" at the 112th Abbott Nutrition Research Conference on Pregnancy Nutrition and Later Health Outcomes, Columbus, OH, July 26-28.

Kelly Swanson gave the following invited presentations: "Microbiota: How the Gut Flora Affects Health and Disease in Dogs and Cats," 2011 American College of Veterinary Internal Medicine Forum, Denver, CO, June 18, 2011;

and "Dietary Manipulation of Canine and Feline Microbiota," ADSA-ASAS 2011 Joint Annual Meeting, New Orleans, LA, July 10-15, 2011.

From Iowa State University: Mike Spurlock received the Animal Growth and Development Award from the American Society of Animal Science at its 2011 annual meeting.

Don Beitz received the Award of Honor from the American Dairy Science Association at its 2011 annual meeting.

Nan Huang received the David R. Griffith Research Excellence of the Nutritional Sciences Council because of his dissertation research excellence with Diane Birt.

Manju Reddy, along with Sarah Francis, traveled to the University of Agricultural Sciences, Dharwad, Karnataka, India for a site visit to establish Iowa State University Study Program for understanding food, nutrition, and health-related activities in India.

Lance Baumgard gave an invited presentation entitled "Review of nutrient partitioning" at the 2nd International Conference on Milk Quality in Beijing, China on May 8.

The Nutritional Sciences Council and the Biotechnology Council co-sponsored the 2011 Summer Lectureship for faculty and graduate students. The lecturer was Dr. Patricia Hoyer of the University of Arizona who taught 10 hours of class on "Molecular Endocrinology".

John Patience received the Extension Mission Award of the local chapter of Gamma Sigma Delta.

Pat Murphy was named University Professor Emeritus upon her recent retirement from Iowa State University.

Winners of awards at Iowa State University: Suzanne Hendrich was honored with the Learning Community Collaborator Award. Wendy White received the Faculty Award for



International Achievement, Matt Rowling the Early Achievement in Research Award, and Manju Reddy the Career Achievement in Research Award from the College of Human Sciences.

From Michigan State University: Sharon Hoerr presented a research paper, "Maternal child feeding practices differ by race-ethnicity" in June at the International Society for Behavioral Nutrition and Physical Activity in Melbourne, Australia.

From Ohio University: Darlene Berryman received the Ohio University College Health Sciences and Professions Outstanding Researcher Award for academic year 2010-2011. She also gave an invited presentation entitled "Growth Hormone and Adipose Tissue: It's All in the Depot" at the Russell Klein Nutrition Research Symposium at Ohio State University on June 3rd.

Purdue University, The Department of Foods & Nutrition: A new Honors College was approved by the Board of Trustees on July 12 and is expected to admit first-year students for fall 2013. Dennis Savaiano was appointed interim dean of the new Honors College.

Jon Story presented a paper titled, titled "Translating nutrition science: the oat bran/psyllium story" forthe "Bootes Course on Translational Medicine: The Pathway from Discovery to Healthcare," at the John Curtin School of Medical Research at the Australian National University in Canberra, Australia. It was a four-day course focusing on translational medicine with lectures from experts from the United States, Australia, Israel and Italy.

Silvia Stan and Nana Gletsu-Miller will join the faculty of Nutrition Science on August 15.

From University of Michigan: A. Roberto Frisancho on May 29, 2011 in Lima, Perú gave a keynote lecture at the X Annual Meeting of the Sociedad Peruana de Nutrición (SOPENU) entitled ?Nutrition for the Older Adult from a Perspective of Biological Anthropology? At this occasion A. Roberto Frisancho was honored with the National Award for Nutrition Research (?Prémio Nacional de Nutrición?) awarded by the Sociedad Peruana de Nutrición (SOPENU)

From University of Minnesota, Nutrition Department: Xiaoli Chen gave an invited talk entitled "Lipocalin 2 as an Important Regulator of Energy Metabolism", and she also chaired the session of "Signaling in Adipocytes and Regulation of Body Weight" at the 34th Steenbock Symposium—The Metabolism of Lipids: Implications in Human Diseases at the University of Wisconsin-Madison, WI, May 22-25, 2011.

In July 2011, Mindy Kurzer gave the invited talk "Soy benefits for older men and women: reducing risk of prostate cancer and managing menopausal symptoms" at the 6th Southeast Asia Soy Food Seminar and Trade Show in Bangkok, Thailand and at the XI Asian Congress of Nutrition in Singapore.

In July 2011, Lyn M. Steffen gave an invited talk entitled "Diet, Inflammation, and Cardiometabolic Risk at the International Course of Internal Medicine (Curso Internacional de Medicina Interna) organized by The College of Internal Medicine of Mexico A. C. (CMIM, Colegio de Medicina Interna de México)

From Wayne State University, Department of Nutrition and Food Science: Drs. Smiti Gupta and Pramod Khosla, Department of Nutrition and Food Science, Wayne State University, along with Dr. Anna Wuolikainen from the Computational Life Science Cluster, Umea University in Sweden, conducted an extensive 9 day workshop on Nutrition, Metabolomics and Bioinformatics at the Universiti Kebangsaan Malaysia, in Kuala Lumpur, Malaysia in early July. The workshop featured lectures and "hands on" experience in using multivariate analysis software. "As Metabolomics is a new and expanding field, essentially we decided to take my graduate level course in nutrition & metabolomics and pack it into 9 days" noted Gupta, the lead instructor. The workshop was restricted to 20 participants and included faculty, PhD students as well as research scientists from industry. In all, the workshop included 60 hours of contact time crammed into a nine day window. A more in-depth workshop is being planned for next year, which Gupta notes will be more geared towards problem solving in relation to the specific research projects of the participants. Dr. Gupta was also invited to present a paper entitled "Delta Tocotrienol Inhibits Lung Cancer Cell growth via down regulation of Notch-1" at the 2ndInternational meeting on

Tocotrienols and Chronic Diseases, held in Las Vegas on Jul 13 and 14.

Dr. Maria Pontes Ferreira has been recruited as a new assistant professor in the department. Dr. Ferreira's research emphasizes nutrition, exercise, and health promotion. Her last appointment was a NIH IRACDA Postdoctoral Fellow, University of Kansas and Haskell Indian Nations University.

Dr. K-L. Catherine Jen serves as a steering committee member of the Obesity Summit to be held in Sept, 2011 and is organized by the Department of Community Health, State of Michigan.

### Rocky Mountains/ Great Plains Spotlight

From Kansas State University: Dr. Mark Haub was invited to speak at the Rocky Mountain Metabolic Syndrome conference in Denver, in May. He was also selected to serve as the secretary of the Nutrition Division of the American Association of Cereal Chemists. Dr. Mary Higgins visited Kenya this past July. She presented interactive nutrition information sessions as part of a health workshop to women living in the impoverished community of Mai Mahiu, Kenya. Topics covered included: breastfeeding advice, nutrition tips for people living with HIV/AIDS, and healthful diets for adults and children. She also worked with a team of administrators and parents at a public primary school for 1,730 children to learn more about their lunch program, so that we can help them address some of their problems with it in the coming year. Dr. Connie Weaver visited the Department and presented two seminars: "Discoveries at the Food Science and Nutrition Interface" and "The Role of Nutrition in Building Peak Bone Mass". Dr. Tona Melgarejo received the Dawley-Scholar Award for Excellence in Student Development from the College of Human Ecology for the development of students. Dr. Melgarejo has been especially involved in the scientific development of underrepresented minority students at K-State. He also visited Botswana, Africa in June to work with the innate immunity of wild African Hyenas to identify and sequence natural defense peptides. Dr. Denis M. Medeiros has retired from K-State University as Professor Emeritus after serving 11 years as Department Head. He has been named the Vice Provost of Faculty Affairs and

Dean of the Graduate School at the University of Missouri-Kansas City, and will be a Professor of Molecular Biology and Biochemistry as his tenure home. Drs. Tandalayo Kidd and Koushik Adhikari were both promoted from Assistant to Associate Professor of Human Nutrition and granted tenure.

From Texas A&M University: Dr. Joanne Lupton was appointed to the Food and Nutrition Board of the Institute of Medicine on July 1, 2011 and the service continues through December 31, 2014. On June 14th, Joanne served as moderator for a symposium at the Institute of Food Technologist's annual meeting. The topic was "Is There Still a Place at the Table for Refined Grains Post the 2010 Dietary Guidelines Advisory Committee Report? Rice as a Case Study". On July 10th Joanne presented a talk on fiber titled: "When Earning an "F" in School is a Good Thing" at the 2011 Annual National Conference for the School Nutrition Association. Dr. Robert Chapkin received the Texas A&M University Association of Former Students Distinguished Achievement Award in Research, 2011. He was also promoted to the status of Texas A&M University System Regents Professor. He presented an invited talk entitled "Lipid Rafts and Immune Function" at the Nutritional Immunology: Role in Health and Disease FASEB Summer Research Conference, Carefree, AZ, July 11, 2011.

From South Dakota State University: Dr. Bonny Specker, Director of the Ethel Austin Martin Program (EAMP) in Human Nutrition at SDSU, chaired a symposium on "Muscle and Bone Function in Health and Disease" at the International Society for Musculoskeletal and Neuronal Interactions at the Black Forest Forum in Bad Liebenzell, Germany in May. Dr. Specker also presented a talk on "Growth and pQCT Bone Measures in Children and Grandchildren of Individuals with Hip or Knee Replacement." Dr. Specker was an invited speaker at the Joint Meeting of the Nutrition Society and the American Society for Nutrition in Cork, Ireland in June. The talk was on "Maternal Diet and Bone Growth in Utero-Does Vitamin D during Pregnancy Impact Offspring Bone?" Dr. Irv Rosenberg attended the combined NASN meeting in Cork, Ireland in June.

From USDA/ARS/Grand Forks Human Nutrition Research Center: Dr. Michael F.

Holick, Boston University School of Medicine, presented a seminar April 20, 2011, titled "Vitamin D: A D-lightful Solution for Good Health." Dr. Mohsen Meydani, USDA Human Nutrition Research Center on Aging, Boston, MA, presented a seminar May 17, 2011, titled "Dietary Polyphenols and Obesity." Dr. Sibley Shalamar, University of Minnesota, Minneapolis, MN, presented a seminar May 11, 2011, titled "Weighing the Evidence and Pondering the Possibilities: Travels through Clinical and Translational Metabolic and Nutritional Obesity-Related Studies". Dr. Nikhil Dhurandhar, Pennington Biomedical Research Center, Baton Rouge, LA, presented a seminar June 20, 2011, titled "Obesity Treatment, Prevention & Research: A Critical Introspection." Dr. Gerald F. Combs, Jr., participated in the second conference on Biomarkers of Nutrition and Development (BOND), in Bethesda, MD, on June 14-15, and attended the 50th Anniversary Commemorative Symposium of the U.S. Army Institute of Research in Environmental Medicine, in Natick, MA, June 16-17. Dr. Forrest H. Nielsen participated in the "Magnesium Handling: the Good, the Bad, and the Deranged" symposium that was in the program of the Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting, Denver, CO, May 2, 2011.

From the University of Nebraska-Lincoln:
Drs. Nancy Lewis, John Scheer, and Kaye
Stanek-Krogstand retired on June 30, 2011,
after many years of dedicated service—they
will be greatly missed. Dr. Janos Zempleni
gave a presentation titled "Biotin-Dependent
Epigenetic Mechanisms Contributing to
Genome Stability" at the University of Vienna,
Austria, on June 16, 2011.



Suzanne Devkota (right) explains her poster.

Information for Datelines Rocky Mountains and Great Plains should be sent to Nancy Turner, Texas A&M University, Nutrition and Food Science Department, e-mail: n-turner@tamu.edu.

### **Southeast Spotlight**

East Carolina University: Kathy Kolasa is serving on an external advisory committee to CHIL (Children's Healthy Living Program), a project USDA funded to the University of Hawaii to develop obesity prevention strategies among native populations in the Pacific Region. The project team met in Honolulu the week of July 10.

University of North Carolina, Chapel Hill: Barry M. Popkin, was awarded the 2011 Mickey Stunkard Lifetime Achievement Award of The Obesity Society and will give the Stunkard lecture. He also received the Nutrition Society of India Dr. Gopalan Oration Award and will give the Gopalan Oration at the 43rd Annual National Conference of Nutrition Society of India, and he will speak on "Underlying Causes of the Diabetes Epidemic" at the World Diabetes Congress in Dubai in Dec 2011. Miroslav Styblo became a member of the Scientific Committee and the Keynote speaker for the Metallomics 2011 Symposium in Munster, Germany in June. Rosalind Coleman was the elected Vice-Chair of the Gordon Conference on the Molecular and Cellular Biology of Lipids held in July. This summer P. Kay Lund, the Editor in Chief of the American Journal of Physiology, GI and Liver, spoke at two FASEB Summer Research Conferences - Nutritional Immunology: Role in Health and Disease in Carefree, AZ on "Diet and bacterial interactions with obesity and gut health" and Stem Cells, Adaptation, Inflammation and Cancer in Steamboat Springs, CO on "Growth factors, stem cells and intestinal repair." Liza Makowski won an Early Career Investigator Award to attend the Kern Aspen Conference in Vail, CO.

Trisha Grevengoed (mentor Rosalind Coleman) was selected for an Integrative Vascular Biology Traineeship, a T32 grant headed by Nobuyo Maeda. Trisha will use a novel knockout mouse to study the effects of limiting lipid oxidation in the heart. Danielle Braxton (mentor Alice Ammerman) was awarded an ADA Foundation's Commission

on Dietetic Registration Doctoral Scholarship. Tope Erniosho, a Carolina Post-Doctoral Fellow (mentor Diane Ward), was selected as a Robert Wood Johnson Foundation New Connections Fellow for 2011-2013. Tope will investigate the impact of nutrition policies in child care facilities in promoting healthy weight development. Justin Milner (mentor Melinda Beck) won a travel award to attend the FASEB summer conference Nutritional Immunology: Role in Health and Disease that Dr. Beck co-organized. Justin's poster was "The Impact of diet-induced obesity on regulatory T cell distribution during influenza infection." Carolina Batis Ruvalcaba (mentor Barry Popkin) received a CONACYT (Mexican National Council for Science and Technology) Scholarship. Beth Widen (mentor Linda Adair) placed 3rd in the poster session of the 3rd North American Congress in Epidemiology in June. Yuanyuan Qin (mentor Liza Makowski), a sanofi-aventis Global Scholar, completed an internship at the Salk Institute this summer in the lab of Dr. Inder Verma.

University of North Carolina at Greensboro: Cheryl Lovelady received the Outstanding Research Award from Get Healthy Guilford Coalition. The award is for a community member who completed research that contributed to the understanding of obesity, nutrition, exercise, or approaches to reducing and preventing obesity. Margaret Savoca was promoted to Associate Professor in the Department of Nutrition, effective August 2011. The UNCG Research Magazine featured Cheryl Lovelady's study and her current research on the positive effects of exercise on bone density and body weight among breastfeeding mothers. Babbi Hawkins joined the Nutrition Department in July, 2011 as a permanent, full-time Academic Professional Instructor after teaching undergraduate courses for the past two semesters. Babbi comes to the Nutrition Department from Moses Cone Health System where she was the Clinical Nutrition Manager for 13 years. She will serve as Director of the CADE-Accredited Dietetic Internship program.

Wei Jia was invited to give a plenary speech at the following international conferences:

1) Metabolomics in Translational Medicine and Medicinal Plant Research, Montreal, Canada (Presentation title: Joining Forces for a Healthier Tomorrow—Multidisciplinary Approaches to Modern Therapeutics); 2)

International Conference of the Metabolomics Society—Metabolomics 2011, Cairns, Australia (Presentation title: Metabolomics Study of Colorectal Cancer). Wei also presented seminar at the Herbal Medicines: In Vitro and Clinical Validation, 2011 In Vitro Biology Meeting in Raleigh, NC. The title of the presentation was, "Metabolomics in Botanical and Translational Research."

University of Alabama-Birmingham: The UAB Department of Nutrition Sciences announces the addition of faculty member Paula C. Chandler-Laney, Ph.D. Chandler-Laney is funded by a K01 grant to look at the role of the prenatal environment, particularly of maternal glucose and lipids, on offspring body composition and feeding behavior during early childhood. Her most recent publications include "Maternal glucose concentration during pregnancy predicts fat and lean mass of prepubertal offspring" in *Diabetes Care* and "Higher gestational glucose concentration is associated with lower offspring insulin sensitivity and altered β-cell function" in the Journal of Clinical Endocrinology and Metabolism.

Dr. Krista Casazza won a grant through the 2011 American Cancer Society Award Cycle to explore the potential links of early childhood adiposity, fat found in the adipose tissue, and later development of breast cancer. "The study has great potential to provide a thoughtful model that shows how early childhood adiposity and the subsequent changes in hormones and inflammatory markers (while accounting for genetics) may predispose or contribute to the development of cancer in women later in life," said Casazza.

Wendy Demark-Wahnefried, R.D., Ph.D., professor in the Department of Nutrition Sciences and associate director for cancer prevention and control at the UAB Comprehensive Cancer Center, has been named to the Institute of Medicine National Academies' National Cancer Policy Forum. Wahnefried will serve a three-year term, with the possibility of an additional three-year term. Wahnefried has also been named president-elect of the American Society of Preventive Oncology. The ASPO is a multi-disciplinary society committed to serving as an advocate for cancer and control research. She has been a member for nearly 20 years.

Jamy Ard, M.D., an associate professor in the Department of Nutrition Sciences and associate dean for clinical affairs for the School of Health Professions, was appointed to the Editorial Board of *The American Journal of Clinical Nutrition*. His two-year term began on June 1, 2011. "This appointment to the board is indicative of the high regard your fellow scientists have for your research contributions and for the valuable research critiques you've provided as an ad hoc reviewer for *AJCN*," said Robert M. Russell, M.D., past president of the American Society for Nutrition.



Editorial Board members are eager to celebrate their hard work during the Annual Meeting reception.

### **President's Column** continued from page 1

The 76th ASN Scientific Sessions and Annual Meeting at Experimental Biology will be held in San Diego, California on April 21-25, 2012. Abstracts are due on November 8, 2011. Students—consider submitting your abstract to one of the graduate student abstract competitions. The Student and Young Professional Interest Groups as well as the RIS groups also offer abstract competitions provide travel funds to offset the cost of attending the meeting.

Looking ahead to 2012, ASN is pleased to announce the first ever ASN Middle East Congress, scheduled for February 15-17, 2012 in Istanbul, Turkey. You can read more about this in the e-newsletter. ASN is also in conversations with The Nutrition Society, the American College of Physicians and the

Society for Nutrition Education to explore ways our societies can work together in scientific programing, medical education and public policy.

Progress continues on updating the Society's strategic map. I look forward to working with ASN leaders and staff to further strengthen our opportunities and services to members. Also approaching is the Fall Board of Directors meeting, set for October 17-18, in Arizona. The major topics for the meeting will be the strategic map, education resources, the ASN Foundation and public affairs. If there is an issue you feel the board should address at this meeting, please email me at sdonovan@ illinois.edu. I always enjoy hearing from fellow ASN members.





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### **Deadlines 2011**

**Sept. 15** ASN Award nominations due

**Sept. 30** ASN Middle East Congress early bird

registration

Oct. 1 Fellow nominations due Nov. 4 Atwater nominations due

**Nov. 8** EB 2012 abstract submission deadline **Nov. 30** Middle East Congress abstract deadline

**Dec. 31** Middle East Congress advanced

registration deadline

### **Deadlines 2012**

Feb. 23 EB 2012 advanced registration deadline

Mar. 23 EB 2012 hotel reservations deadline

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**Apr. 21-25** ASN Scientific Sessions & Annual Meeting

at Experimental Biology

# Visit the ASN Job Board (www.nutrition.org/jobs)

### Recent postings include:

- Professor, Dept. of Nutrition and Exercise Physiology, Univ. of Missouri
- Assistant Professor, U-Mass Amherst
- Manager, Nutrition Product Innovation, McDonalds
- Scientist, International Agency for Research on Cancer
- Technical Manager, Fonterra



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