



American Society for Nutrition

Excellence in Nutrition Research and Practice

a publication of American Society for Nutrition and ASN Foundation

Nutrition Notes

March 2015

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Committee News

Minority and Diversity Affairs Committee

The Minority and Diversity Affairs Committee (MDAC) has planned an exciting list of events for 2015 Scientific Sessions. Each event offers opportunities for growth and engagement for attendees at all career stages. MDAC will host the 3rd ASN Young Minority Investigator Oral Competition on Saturday, March 28 at 11:30 AM in the Boston Convention & Exhibition Center; Room 151AB. Finalists will be young investigators who have been selected after review of their extended abstracts. One finalist will be selected after the

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ASN Scientific Sessions & Annual Meeting



Cross-cutting nutrition science is right around the corner! The **79th ASN Scientific Sessions and Annual Meeting** at Experimental Biology 2015 will feature more than 30 symposia, dozens of networking events, and four international forums. Hear the latest from experts in nutrition, food, and health. The Presidential Symposium, listed below, is programmed so that everyone can attend on Sunday. Keynote Award Lectures are listed on page 5.

Presidential Symposium: Nutrition and Developmental Origins of Health and Disease

Supported by Mead Johnson Pediatric Nutrition Institute

Boston Convention & Exhibition Center – Grand Ballroom East

Sunday, March 29, 2015 — 10:30 AM – 12:30 PM

Chaired by ASN President: *Simin Nikbin Meydani, DVM, PhD*

Featuring:

Nutritional influences on human developmental epigenetics

Robert A. Waterland, PhD

Baylor College of Medicine

Early life gut microflora and immune system development

Dingding An, PhD

Boston Children's Hospital

Fructose, pregnancy and later life impact

Deborah Sloboda, PhD

McMaster University

Paternal nutrition and transgenerational health outcomes

Lars O. Bygren, MD, PhD

University of Umea

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Nutrition Notes

March 2015



Constituent Society of the
Federation of American Societies
for Experimental Biology

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Visit the website at www.nutrition.org/renew to subscribe or email sprice@nutrition.org.

Deadline for submission of all copy: First day of February, May, August, or November.

2015 Awards

Senior Investigator Awards

Conrad A. Elvehjem Award for Public Service in Nutrition

Supported by Mondelēz International

Barry Popkin, PhD
University of North Carolina at Chapel Hill

David Kritchevsky Career Achievement Award in Nutrition

Supported by Mondelēz International

Dennis M. Bier, MD
Children's Nutrition Research Center, Baylor College of Medicine

Gilbert A. Leveille Award and Lectureship

Co-administered by ASN and IFT

Theodore P. Labuza, PhD
University of Minnesota

General Mills Bell Institute of Health and Nutrition Innovation Award

Endowed by the General Mills Bell Institute

Mary Ellen Camire, PhD
University of Maine

Kellogg International Prize in Nutrition Lectureship

Supported by Kellogg Company

Gretel H. Pelto, PhD
Cornell University

Mary Swartz Rose Senior Investigator Award

Supported by the Council for Responsible Nutrition

Denise M. Ney, PhD
University of Wisconsin

McCormick Science Institute Research Award

Endowed by the McCormick Science Institute

Jean-Marc Zingg, PhD
Tufts University

Osborne and Mendel Award

Supported by ILSI North America

Nikhil V. Dhurandhar, PhD
Texas Tech University

Pfizer Consumer Healthcare Nutritional Sciences Award

Supported by Pfizer

Naima Moustaid-Moussa, PhD
Texas Tech University

Robert H. Herman Memorial Award

Steven B. Heymsfield, MD
Pennington Biomedical Research Center

Senior Investigator – Educator & Mentor Awards

Dannon Institute Mentorship Award

Supported by the Dannon Institute

Barbara A. Gower, PhD

University of Alabama at Birmingham

Excellence in Nutrition Education Award

Johanna T. Dwyer, DSc, RD

Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University

Roland L. Weinsier Award for Excellence in Medical/ Dental Nutrition Education

Supported by the Dannon Institute

Nancy F. Krebs, MD

University of Colorado, Denver

Young Investigator Awards

Bio-Serv Award in Experimental Animal Nutrition

Supported by Bio-Serv

Daniel L. Smith Jr., PhD

University of Alabama at Birmingham

E.L.R. Stokstad Award

Endowed by the Stokstad Family

Sai K. Das, PhD

Tufts University

Mary Swartz Rose Young Investigator Award

Supported by the Council for Responsible Nutrition

Giuliana Noratto, PhD

Washington State University

Mead Johnson Award

Supported by Mead Johnson Pediatric Nutrition Institute

Heather J. Leidy, PhD

University of Missouri

Norman Kretchmer Memorial Award in Nutrition and Development

Kate J. Claycombe, PhD

United States Department of Agriculture

Peter J. Reeds Young Investigator Award

Nicholas A. Burd, PhD

University of Illinois, Urbana-Champaign

Samuel J. Fomon Young Physician Award

Endowed by the Nestlé Nutrition Institute

Xiang Gao, MD

The Pennsylvania State University

Vernon Young International Award for Amino Acid Research

Endowed by the Ajinomoto Co. Inc.

Michael Lustgarten, PhD

Tufts University

Other Awards

W.O. Atwater Lectureship

Supported & Managed by USDA Agricultural Research Service

Joanne L. Slavin, PhD, RD

University of Minnesota

Nutrition Science Media Award

Nancy Clark, MS, RD

Nutrition columnist for “New England Runner,” “Rowing” and “American Fitness;” Team Nutritionist, Boston Red Sox

Don't Miss the Competitions!

Clinical Emerging Leader Award Competition

Saturday, March 28, 2015, 8:00 AM – 9:30 AM

Boston Convention and Exhibition Center - 151 A/B

Graduate Student Research Award Competition

Saturday, March 28, 2015, 1:30 PM – 4:30 PM

Boston Convention and Exhibition Center - 151 A/B

Postdoctoral Research Award Competition

Saturday, March 28, 2015, 9:30 AM – 11:30 AM

Boston Convention and Exhibition Center - 153 A/B

ASN Young Minority Investigator Oral Competition

Saturday, March 28, 11:30 AM – 1:00 PM

Boston Convention and Exhibition Center - 151 A/B



Class of 2015 Fellows

To be inducted as a Fellow of the Society is the highest honor ASN bestows, recognizing individuals for significant discoveries and distinguished careers in the field of nutrition. Members of this year's class join more than 400 other ASN Fellows who have been recognized since the program began in 1952.

The newest Fellows are, as always, an impressive group known for leading in the following areas:



Richard Atkinson, MD
Virginia Commonwealth University
– Blazing new ground in obesity research



Barbara Hansen, PhD
University of South Florida
– Diabetes and insulin resistance in primates



Diane Birt, PhD
Iowa State University
– Anti-inflammatory constituents of botanical supplements



Penny Kris-Etherton, PhD, RD
Pennsylvania State University
– Lipid metabolism & cardiovascular disease



Benjamin Caballero, MD, MSc
John Hopkins University
– International ambassador for nutritional science



Bo Lönnerdal, PhD
University of California-Davis
– Infant/pediatric nutrition



Mark Failla, PhD
Ohio State University
– Carotenoid pioneer



Martha Stipanuk, PhD
Cornell University
– Amino acid metabolism



Pamela Fraker, PhD
Michigan State University
– Zinc nutriture, immune function, and infectious disease



Ricardo Uauy, MD, PhD, INTA
University de Chile
– Nutrient requirements and training of young nutrition scientists

ASN Scientific Sessions & Annual Meeting

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W.O. Atwater Lectureship

To recognize scientists who have made unique contributions toward improving the diet and nutrition of people around the

world. Atwater, considered the father of modern nutrition research and education, was the U.S. Department of Agriculture's first chief of nutrition investigations.

Joanne L. Slavin, PhD, RD

University of Minnesota

Supported and managed by the USDA ARS

Food is not a talisman: Reflections on the science and practice of nutrition

Tuesday, March 31 at 12:45 PM

BCEC, Grand Ballroom East



G. A. Leveille Lectureship and Award

Given in recognition for outstanding research in nutrition science and food technology.

Theodore P. Labuza, PhD

University of Minnesota

Administered by ASN and IFT

My history in the involvement of food science and nutrition

Monday, March 30 at 1:45 PM

BCEC, Grand Ballroom East



Kellogg Prize for International Nutrition

Awarded to a member of ASN's Global Nutrition Council (GNC) actively engaged in research

to benefit populations in non-industrialized countries.

Gretel H. Pelto, PhD

Cornell University

Supported by Kellogg Company

Beliefs, knowledge and environment:

Using anthropology to inform nutrition action

Monday, March 30 at 6:30 PM

GNC Business Meeting in

Renaissance Boston Waterfront,

Pacific Grand Ballroom A/B/C/D



President's Column

**Greetings from the President: Simin Nikbin Meydani, DVM, PhD
Director, Jean Mayer USDA-HNRCA at Tufts University**

We are just mere weeks away from ASN's Scientific Sessions & Annual Meeting, which kicks off March 28 in my city of Boston! If you haven't looked at the program, I encourage you to start making an itinerary. There are many exciting sessions and special events to attend. Plus, there are a variety of sponsored satellite programs that are planned and conducted by external groups in conjunction with ASN's Scientific Sessions. There will also be several interesting international forums as well. Visit the microsite to review all of the exciting events at <http://scientificsessions.nutrition.org>.

ASN's Board of Directors will be meeting in Boston to discuss Society matters. Please note, this year the **Society Annual Business Meeting** will be held earlier than in the past, on **Saturday, March 28, 7:00 – 8:00 PM**. We are hoping to draw more attendees to this time frame, which will also be more interactive in nature.

From the policy world, the Scientific Report of the 2015 Dietary Guidelines Advisory Committee has been released. ASN will be submitting comments. Members are invited to submit their comments and help inform ASN's comments via email to sohlhorst@nutrition.org.

There will be a public oral comment meeting on March 24, 2015. HHS and USDA will consider this report, with input from other federal agencies and comments from the public as they develop the Dietary Guidelines for Americans, 2015, to be released later this year.

If you have not had a chance to read the report from ASN's Nutrition-Focused Meeting Transition Team, please visit www.nutrition.org/meetings/asn-independent-meeting/. I encourage everyone to review the document which summarizes the team's vision.

Simin Meydani

Committee News

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(MDAC) continued

oral presentation and presented with the Grand Prize for Young Minority Investigators, supported by DSM Nutritional Products, at the ASN Awards Ceremony, on Sunday, March 29 at 6:00 PM.

We are proud to continue offering travel awards to young investigators to attend the annual meeting; the following have received 2015 ASN/FASEB MARC Travel Awards. Each award winner will receive funding to attend the scientific sessions and annual meeting at Experimental Biology 2015!

Please join us in congratulating: **Timothy Barnes**, Univ. of Minnesota; **Michelle Cardel**, Univ. of Colorado Denver; **Valerie Darcey**, Georgetown Univ.; **Dede Ekoue**, Univ. of Illinois at Chicago; **Andrea Lopez-Cepero**, Univ. of Puerto Rico; **Danielle Nunnery**, Univ. of North Carolina at Greensboro; **Angela De Leon**, University of California, Davis; **Ashley Carter**, Florida State University; and **Monique J. LeMieux**, Texas Tech University. Each recipient will be invited to participate in the MDAC Marc Poster Session and Networking Breakfast, Tuesday, March 31 at 7:00 AM. We hope that you will join us!

We will host a second MDAC Forum, in partnership with the Student Interest Group (SIG) titled "Career Enhancement for Students, Postdocs, Young Professionals, and Early-Stage Nutrition Scientists" on Monday, March 30 at 4:15 PM in the Boston Convention & Exhibition Center, 156C.

Interested in hearing more about the Minority and Diversity Affairs Committee and related research and funding opportunities? Join the MDAC ListServ by adding it to your membership profile online or emailing info@nutrition.org.

We invite you to join us at the following events in Boston:

- Saturday, March 28. 11:30 AM – 1:00 PM
Young Minority Investigator Oral Competition (Convention Center, 151AB)
- Monday, March 30. 4:15 – 5:30 PM
MDAC Forum: Career Enhancement for Students, Postdocs, Young Professionals, and Early-Stage Nutrition Scientists (Convention Center, 156C) *with the Student Interest Group (SIG)*
- Tuesday, March 31. 7:00 – 8:30 AM
MDAC MARC Travel Awardees Poster Session and Networking Breakfast (Convention Center, 150)

For more information on minority affairs at ASN visit www.nutrition.org/our-members/minority-affairs.

Submitted by Charlotte Pratt, PhD, RD
prattc@nhlbi.nih.gov

Student Interest Group

Are you ready for EB 2015? The ASN Student Interest Group (SIG) sure is! The SIG has dedicated the months leading up to next month's meeting to planning our most successful and impactful annual meeting yet. The SIG represents the collective ASN student voice and provides students with ample opportunities for career and leadership development. We seek to spark enthusiasm in all EB attendees, from decorated veterans to first-year attendees.

The SIG focuses on planning activities and events that boost knowledge, growth or opportunities for ASN's student members but we encourage all student attendees, SIG members or not, to attend the education and career focused sessions, symposia and forums offered at EB. Whenever possible, the SIG has collaborated with other groups to bring ASN students useful information and as many resources as possible. In between sessions, we encourage you to attend the following SIG-organized events.

The **ASN New Member and First-Time Attendee Orientation**, Saturday March 28, 2:00 – 3:00 PM in the Boston Convention & Exhibition Center (BCEC) is crucial for new students to attend. SIG leaders will be present at this orientation and we would love to meet you as you arrive at EB!

On Sunday morning, the SIG signature event, the **ASN Graduate Student Breakfast Supported by the National Dairy Council**, will take place from 6:45 – 8:00 AM in the Renaissance Boston, Atlantic Ballroom 1. At the breakfast, the SIG and the National Dairy Council will host a competition for student travel awards. Five finalists, selected based on quality of abstracts submitted for the competition, will present their work in a 3-minute thesis (3MT) style. After the presentation, two minutes for questions will be provided. After the five students have presented, a panel of judges will provide travel awards to the top 3 presenters. We highly encourage your attendance at this event as this will be the first year of the 3MT style presentation and an excellent opportunity to connect with other students and hear about important work in nutrition science. We promise you won't regret the early wake-up call!

Additionally, **ASN Meet the Fellows**, organized by the SIG will occur on Monday, March 30 from 10:30 – 11:30 AM in the Renaissance Boston, Atlantic Ballroom 2. SIG members have the unique opportunity to interact with the Class of 2015 ASN Fellows, 10 incredible scientists who have a wealth of knowledge on how to succeed in science, career and personal life.

Speed Mentoring for Students, which the SIG hosts in conjunction with the YPIG, will take place on Monday, March 30 from 7:30 – 9:30 PM in the Renaissance Boston. Modeled after speed dating, student attendees will rotate through young professional mentors and have the opportunity to network, ask questions and meet folks with experience in the students' career path of interest. We look forward to a great student presence at this event. Please contact Chris Ford (cnford@email.unc.edu) to attend this event, as there will be a wait list.

While scheduled events are an excellent way to make sure you're engaging in EB, informal networking is also crucial. You never know who you are sitting next to unless you engage in conversation! We encourage all student members to take advantage of networking at the largest gathering of nutrition scientists in the country. Contact me (kcoakle@emory.edu) if you are interested in connecting with SIG leadership.

While planning for EB, it's important to stay connected with the SIG. Follow **SIG's Facebook** page, **LinkedIn**, and **Twitter**, dedicated to keeping you informed with the latest news and opportunities for students in the field of nutrition. We plan to communicate all SIG events through Facebook and Twitter, including social events and happy hours. Students are also encouraged to spread the word about any last-minute social events organized during EB by using #ASNSIG or #SIGevent. During EB, you can also follow the **ASN blog** for live coverage. Bloggers will capture the can't-miss science of EB!

We also encourage you to visit us at the ASN booth #1053 where we will be fundraising by selling our awesome SIG swag! If you have any questions about the SIG or suggestions for opportunities to improve our service to ASN members, please feel free to contact me at kcoakle@emory.edu. We look forward to seeing you in Boston!

Submitted by Katie Coakley, MS, RD, LD
kcoakle@emory.edu

Young Professional Interest Group (YPIG)

Greetings from YPIG! The ASN Scientific Sessions & Annual Meeting at Experimental Biology is coming up shortly,

and we're putting forward a number of exciting events for you all in Boston. First, we have the annual **Postdoctoral Research Competition** (endowed by DuPont Nutrition and Health). A panel of judges has identified 6 of the best abstracts submitted by our postdoctoral and young professional members, and now each of the finalists will have the opportunity to present their work. Come and support these future leaders in nutrition!

Monday, March 30 is a big day for Young Professional members. First, we have our annual **Speed Mentoring** session – a joint event put forth with members of the Student Interest Group (SIG). Volunteer mentors will meet with student ASN members to briefly discuss how they can advance their careers and benefit from the wisdom of our young professionals. Following Speed Mentoring is the **YPIG Networking Event** – the *premiere* networking social event of the ASN Annual Meeting! This is a must-attend for young professionals, a great chance to catch up with old friends and make some new ones – plus you never know who will be there and who might be hiring!

On Tuesday March 31, we have our career development session **"Establishing Yourself As An Expert."** We have a great panel of four prominent nutrition scientists who will discuss ways that you can effectively navigate the system and make yourself known to the nutrition world as an expert in your field. Our esteemed panel includes: Katherine Tucker, PhD, (UMass – Lowell); Gregory Miller, PhD, (Dairy Management, Inc); Janet King, PhD (Children's Hospital Oakland Research Institute); and Steven Zeisel, PhD (UNC Chapel Hill). This should be a fantastic opportunity to learn some tips to help you propel your career! If you missed last year's session, *"Successful Scientist: What's the Winning Formula?"* visit (<http://advances.nutrition.org/content/5/6/795.abstract>) to read all about it.

Networking is the best thing you can do for your career, and the annual meeting at EB is the best time of year for young professional nutrition scientists to network! We are looking forward to meeting all of you, and hope that all of you use this meeting as a chance to expand your professional networks. Looking forward to seeing you all in Boston!

Submitted by Eric Ciappio, PhD, RD
eric.ciappio@dsm.com



PhenHRIG at EB

The PhenHRIG program, *Understanding Polyphenolic Bioactivities: Highlights of Recent Progress*, will be held Saturday, March 28, 1:00 – 5:00 PM, Boston Convention & Exhibition Center, Room 154.



Speakers:

1:00 PM	Introduction Dr. Myron Gross, PhenHRIG Chair, University of Minnesota.
1:05 PM	Peter Hollman, Subdivision of Toxicology, Bioassays & Novel foods, Department of Agrotechnology & Food Sciences, Wageningen University, Wageningen, Netherlands. Title: "Are epicatechin or quercetin involved in the cardiometabolic effects of cocoa and tea?"
2:00 PM	Dr. Rui Hai Lu, Department of Food Science, Cornell University, Ithaca, NY. Title: "Molecular Targets of Phytochemicals for Cancer Prevention and Health Aging"
2:40 PM	Dr. Sige Zou, National Institute of Aging, NIH, Baltimore, MD. Title: "Longer and Healthier Life with Consumption of Proanthocyanidins-Enriched Cranberry"
3:20 PM	Dr. Clarissa Geräuser, Deutsches, Krebsforschungszentrum (DKFZ) Cancer Research Center, Germany. Title: "Impact of Soy Isoflavones on the Epigenome in Cancer Prevention"
4:00 – 4:40 PM	PhenHRIG Student Research Award presentations Student \$100 PhenHRIG-Neolife Nutritionals Award Winners for Phenolic Research
5:00 – 6:30 PM	Chocolate, Wine and Phenolics: Reception in Room 155

Program Sponsors: Neolife Nutritionals, American Pistachio Growers, California Table Grape Commission, GNLD, Sun-Maid Growers of California, Shaklee, National Confectioners Association, and USDA-ARS Beltsville.

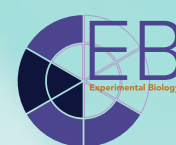
Immediately following the PhenHRIG symposium, join us for some enlightened conversations about the health benefits of dietary phenolics at our casual reception. The reception will feature a wine and chocolate tasting led by a local artisan chocolatier as well as educational display on the science of cocoa and chocolate. Additionally, refreshments will include the broad phenolic profile of cocoa, pistachios, almonds, raisins, cranberry juice, and of course red wine.

Reception Sponsor: The Chocolate Council of the National Confectioners Association.

The **Annual Society Business Meeting** has a new time! Saturday, March 28, at 7:00 PM at Renaissance Boston Waterfront, Pacific Grand Ballroom A/B/C. Join us for this restructured meeting, which features the President's address, Secretary and Treasurer reports, special drawings, and interactive breakout groups on the following topics:

- Open Access Publication
- Nutrition-Focused Annual Meeting
- FASEB Sustaining Discovery in Biological and Medical Sciences Framework

This event is followed immediately by the Membership and University Mixer from 8:00 – 10:00 PM, Renaissance Boston Waterfront, Pacific Grand Ballroom D/E/F/G/H. Nutrition Madness comes to Boston! Visit our special tables for networking hosted by universities, ASN member groups and partners.



Council News

Nutritional Sciences Council



I look forward to seeing as many people as possible at the ASN Scientific Sessions and Annual Meeting at Experimental Biology (EB) 2015. The Nutritional Sciences Council (NSC) will be holding its Council Business Meeting and Breakfast on Saturday, March 28, from 7:00 – 8:00 AM in Room 150

of the Boston Convention and Exhibition Center (BCEC). The business meeting agenda will include presentations on ASN's nutrition-focused meeting in 2018, a proposed new ASN open-access journal, and a FASEB report on Sustaining Discovery in Biological and Medical Sciences. We will also be collecting nominations for the upcoming NSC election for open spaces on the council leadership team (two members at-large and a student representative). Please let me, Cindy Davis (davisci@mail.nih.gov) know if you are interested in running. We hope you make plans to join us!

As always, a highlight of the EB meeting will be the Graduate Student Research Award Competition, supported and organized by the NSC. Please join us as our top finalists present their research on Saturday, March 28, from 1:30 – 4:30 PM in Room 151 AB in the BCEC.

Our 12 finalists are:

- **Hathairat Sawaengsri**, Tufts University. *Abstract titled, "Association between Transcobalamin II C776G Polymorphism and Neuropathy is Modified by Folate Intake in Vitamin B-12 Sufficient Elders."*
- **Megan Hume**, University of Calgary. *Abstract titled, "Prebiotic Fiber Consumption Decreases Energy Intake in Overweight and Obese Children."*
- **Terrence Vance**, University of Connecticut. *Abstract titled, "Prostate Specific Antigen Ratio is Negatively Associated with Blood Cadmium Concentration and Smoking Status."*
- **Ross Peterson**, University of Illinois Urbana-Champaign. *Abstract titled, "A Magnetic Separation Method to Improve Signal-to-Noise Ratio in the Measurement of Iron Deficiency Biomarkers Using a Photonic Crystal Biosensor Immunoassay."*
- **Karim Bougma**, McGill University. *Abstract titled, "Iodized Salt Improves Child's Iodine Status, Mental Development, and Physical Growth in a Cluster Randomized Trial in Ethiopia."*
- **Neil Brett**, McGill University. *Abstract titled, "Vitamin D Status and Functional Health Outcomes: A Randomized Vitamin D Dose-Response Trial in 2-8 y Olds."*
- **Joanna Urbanek**, Pennsylvania State University. *Abstract titled, "The Uptake of Vitamin A into the Neonatal Brain."*
- **Çaglar Doguer**, University of Florida. *Abstract titled, "Novel Ferroxidases in Mammalian Intestinal Epithelial Cells."*
- **Melissa Glier**, University of British Columbia. *Abstract titled, "Dysfunctional Cardiac Fatty Acid Metabolism in Cystathionine-beta-Synthase +/- Mice with Obesity."*
- **Adam Lyon**, University of Arizona. *Abstract titled, "Epigenetic Regulation of the FXR by High Fat Diet and APC in Colon Cells"*
- **Barbara DeRatt**, University of Florida. *Abstract titled, "Cystathionine Gamma-Lyase Inhibition in Primary Human Hepatocytes Affects the Production of Hydrogen Sulfide Biomarkers through the Transsulfuration Pathway."*
- **Jinhui Li**, Ohio State University. *Abstract titled, "Green tea extract attenuates oxidative stress, inflammation, and lipogenesis through Nrf2-dependent and -independent mechanisms in diet-induced obese mice with nonalcoholic steatohepatitis."*

Other NSC sponsored or cosponsored events not to miss include:

- **Human Variability & Physiological Extremes: Blessing or Curse?**
Organized by the Nutritional Sciences Council (NSC)
- **Pediatric Neurocognitive Development: Emerging Insights and Applications in Nutrition**
Organized by the Nutrition Translation RIS and Endorsed by Global Nutrition Council (GNC), Nutritional Sciences Council (NSC) and Lactation RIS
- **Resistant Starch, Microbiota and Gut Health**
Organized by the Nutritional Sciences Council (NSC)
- **What's New in Natural Products Analysis? Cutting-edge Methods and Available Resources for Nutrition Research**
Endorsed by the Nutritional Sciences Council (NSC) and Dietary Bioactive Components RIS

Additional ASN Scientific Sessions and Annual Meeting information can be found: <http://scientificsessions.nutrition.org/>. This site is updated regularly.

In response to the council needs assessment survey conducted this past year, the NSC Governing Committee is assessing suitable topics for online learning. The NSC has received approval to begin the first series of webinars on the human microbiome. The overall goals are to describe the different approaches used to characterize the human microbiome, review current knowledge about gastrointestinal (GI) microbiota and obesity, and discuss the interactive role of GI microbiota and nutrition in chronic health and disease. We aim to conduct this four-part series

between April and June 2015. Each webinar will feature two 20-25 minute presentations by researchers and include time (15-20 minutes) for an interactive question and answer session. Each program will be presented live and archived for on-demand viewing by an even wider audience. The presentations will also be repackaged for use in undergraduate and graduate educational settings. Please let us know if you have any suggestions for additional topics.

I look forward to seeing you all at another great meeting this spring! Hope to see you in Boston!

Submitted by Cindy Davis, PhD
davisci@mail.nih.gov

Medical Nutrition Council



ASN's Scientific Sessions at EB is right around the corner and we have a number of exciting activities for Medical Nutrition Council members.

All members of the Medical Nutrition Council and those who would like to join are encouraged to attend our **Council Business Meeting** [Monday,

March 30 from 1:00 – 2:30 PM in Room 154 of the Boston Convention and Exhibition Center (BCEC)]. It is a great way to discover easy ways to become more involved with MNC activities and learn more about important new developments in ASN as a whole.

Our council has some exciting mini-symposia on the program this year. They are:

Monday, March 30. 10:30 AM – 12:30 PM

Nutrition and the Microbiome

Monday, March 30. 3:00 – 5:00 PM

Interventions for the Treatment and Prevention of Nutrition-Related Diseases

Tuesday, March 31. 10:30 AM – 12:30 PM

Nutrition and Inflammation

We hope to see you at our **Clinical Emerging Leader Award Competition** taking place Saturday, March 28, 8:00 – 10:00 AM [Room 151AB, Boston Convention and Exhibition Center (BCEC)]. Congratulations to our award finalists:

- **Samantha Kling**, Pennsylvania State University: *Double Trouble: Energy Density and Portion Size Combine to Increase Preschool Children's Lunch Intake*
- **Katherine Balantekin**, Pennsylvania State University: *Patterns of Self-Reported Dieting and Energy Intake in 15y Girls*
- **Christian Wright**, Purdue University: *Effect of a High Protein, High Egg Diet on Muscle Composition,*

Metabolic Health and Systemic Inflammation in Overweight and Obese, Older Adults

- **Mohammad Abdullah**, University of Manitoba: *Common rs3808607 Polymorphism in the Cholesterol 7 α -Hydroxylase (CYP7A1) Gene Determines the Degree of Responsiveness of Circulating Cholesterol Concentrations to Dairy Consumption*
- **Mandana Amir Shaghghi**, University of Manitoba: *Genetic Variants in GLUT14 Gene Enhance Susceptibility to Inflammatory Bowel Disease*

New this year: The MNC is participating in ASN's **Emerging Leaders in Nutrition Science Poster Competition** to be held Saturday evening from 5:00 – 7:00 PM (Ballroom East, BCEC). This new event was created to highlight the very best research submitted by students and young investigators to ASN's Scientific Sessions. We have 19 posters in this competition and will be awarding prizes to the top three. I look forward to seeing you in Boston!

Submitted by Connie Bales
connie.bales@duke.edu

Global Nutrition Council

The upcoming ASN annual meeting in Boston promises to be a memorable one for GNC. In addition to our business meeting and reception on the evening of March 30th we



will offer the following cutting edge symposia, minisymposia and poster sessions. Please note that many of the GNC minisymposia have been scheduled for Saturday this year so please do plan to arrive in time to participate!

Activities:

Monday, March 30, 2015. 6:30 – 8:00 PM

Global Nutrition Council Business Meeting and the Kellogg Prize for International Nutrition Research Lecture.

Renaissance Pacific Grand Ballroom A/B/C/D

Monday, March 30, 2015. 8:00 – 10:00 PM

Global Nutrition Council Reception.

Renaissance Atlantic Ballroom 1

Award Competition:

For the first time the GNC's Global Nutrition Student Poster Competition will be included in the larger competition, ASN's Emerging Leaders in Nutrition Science Poster Competition. GNC's overall winners will be announced at the March 30th GNC Business Meeting. Please try to support the students by attending the competition on Saturday, March 28th.

Saturday, March 28. 5:00 – 7:00 PM

**ASN's Emerging Leaders in Nutrition Science
Poster Competition**
BCEC – Ballroom East

Minisymposia:

Saturday, March 28. 8:00 – 10:00 AM

**Global Nutrition: Nutrition and Cognitive and
Neurological Outcomes**

Saturday, March 28. 10:30 AM – 12:30 PM

**Global Nutrition: Recent Insights into Growth and
Growth Monitoring**

Saturday, March 28. 3:00 – 5:00 PM

**Global Nutrition: Understanding and Predicting
Program Impact**

Tuesday, March 31. 10:30 AM – 12:30 PM

**Global Nutrition: Understanding Pathways to
Intervention Impact**

Tuesday, March 31. 3:00 – 5:00 PM

**Global Nutrition: Recent Advances in Biomarker
Development and Use**

Poster sessions:

Sunday, March 29.

Global Nutrition: Anthropometry

Monday, March 30.

Global Nutrition: Micronutrients

Tuesday, March 31.

**Global Nutrition: Diets and foods
Global Nutrition: Cognitive**

Symposia:

Sunday, March 29. 3:00 – 5:00 PM

**Do We Need Preconception Nutrition Interventions
to Improve Birth Outcomes Beyond the Prevention
of Neural Tube Defects? Current Knowledge and
Future Directions**

Endorsed by the Global Nutrition Council (GNC)

Monday, March 30. 8:00 – 10:00 AM

**Integrated Nutrition and Early Child Development
Interventions: Preventing Health and Economic
Disparities**

Endorsed by the Global Nutrition Council (GNC)

Monday, March 30. 3:00 – 5:00 PM

**Approaches to Account for the Effects of
Inflammation on Nutrient Biomarkers: Nutrition
Determinants of Anemia (BRINDA) Project**

*Organized by the Global Nutrition Council (GNC) and the
Nutritional Epidemiology RIS*

Tuesday, March 31. 3:00 – 5:00 PM

**Pediatric Neurocognitive Development: Emerging
Insights and Applications in Nutrition**

*Organized by the Nutrition Translation RIS and
Endorsed by Global Nutrition Council (GNC), Nutritional
Sciences Council (NSC) and Lactation RIS*

Additional ASN Scientific Sessions and Annual Meeting
information can be found at: [http://scientificsessions.
nutrition.org/](http://scientificsessions.nutrition.org/). This site is updated regularly.

Submitted by Lynette Neufeld

lneufeld@gainhealth.org

Policy Events at EB 2015

Don't miss several upcoming policy-related events during ASN's Scientific Sessions
at EB in Boston:

**Nutrition Policies, Programs, and Public-Private
Partnerships**

Minisymposium organized by Public Policy Committee
Tuesday, March 31, 8:00 – 10:00 AM

**Food and Nutrition Board Update: New Directions in
Food, Nutrition, and Population Health Symposium**

Tuesday, March 31, 10:30 – 12:30 PM

**The Long Road Leading to the Dietary Reference
Intakes Symposium**

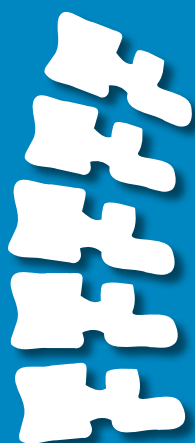
Organized by History of Nutrition Committee
Tuesday, March 31, 3:00 – 5:00 PM

**Nutrition Science for Public Policy, Practice and
the Consumer**

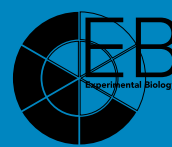
Minisymposium organized by Nutrition Translation RIS
Sunday, March 29, 8:00 – 10:00 AM

The headquarters hotel for ASN is the Renaissance Boston Waterfront. Free shuttle service will be provided to hotels
in the EB 2015 housing block.





Peak Bone Mass Development and Lifestyle Factors



Lifestyle choices are attributed to 40%–60% of adult peak bone mass. Optimizing peak bone mass and strength is one strategy aimed at reducing risk of osteoporosis. The National Osteoporosis Foundation (NOF) and American Society for Nutrition (ASN) are in the process of issuing a joint position statement to provide evidence-based guidance and a national implementation strategy for the purpose of helping individuals achieve optimal peak bone mass early in life. The results of this systematic review of individual nutrients, food patterns, special issues, and physical activity on bone mass and strength development in children will be debuted at a special session at EB 2015.

Session Information:

Sunday, March 29

12:45 – 2:45 PM ET

Boston Convention Center, Room 156 B

Agenda:

Chair: Taylor C. Wallace, PhD, National Osteoporosis Foundation and George Mason University

- **Introduction:**

Babette S. Zemel, PhD, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA

- **Exercise and Physical Activity:**

Richard Lewis, PhD, RD, University of Georgia, Dawson Hall, Athens, GA

- **Calcium and Vitamin D:**

Heidi J. Kalkwarf, PhD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

- **Research Gaps and Implementation Strategy:**

Connie M. Weaver, PhD, Purdue University, West Lafayette, IN

Lunch will be provided to the first 200 attendees.

Please use the following link to RSVP for the session: <http://goo.gl/forms/5cxllksEm6j>

Submit Your Poultry Research



The Milton L. Sunde Award is given for publication in *The Journal of Nutrition* of outstanding experimental, applied or fundamental research in nutrition that uses an avian species. To learn more about publishing in JN, please visit jn.nutrition.org. Please email awards@nutrition.org with any questions. ASN expresses its continued gratitude to Milton Sunde, MD, PhD and the Sunde family for support of this endowment. Dr. Milt Sunde is Professor Emeritus of Poultry Science at the University of Wisconsin-Madison and discovered many critical properties of vitamins, fats and proteins while working with diverse poultry populations.

Research Interest Section (RIS) News

From the RIS Director



So far, 2015 is already an exciting year for ASN membership.

As we get closer to ASN's Scientific Sessions and Annual Meeting at Experimental Biology (EB) 2015, we see huge involvement from our RIS. Some key accomplishments are listed below as well as events to look forward to.

ASN Scientific Program

The RIS are major drivers of ASN's Scientific Session for the Annual Meeting. In preparation for this meeting, the 15 RIS groups:

- Reviewed approximately 1800 abstracts, resulting in more than 3000 reviews
- Planned and organized 55 of the 63 minisymposia, as well as 90% of the poster sessions.
- Planned, organized or co-sponsored 1/3 of the 33 symposia for the ASN science program
- Jointly organized with Councils and 14 of the 15 RIS to create ASN's Emerging Leaders in Nutrition Science Poster Competition (more information on this event is listed below).

ASN's Emerging Leaders in Nutrition Science Poster Competition Pilot Updates

Previously referred to as the "Best of ASN," the poster competition has a new name as ASN's Emerging Leaders in Nutrition Science Poster Competition.

To recap from last *Nutrition Notes*, we hope that this event will help to:

1. Provide graduate students, medical students and young investigators a unique forum to experience the research world, present their research and compete for prizes.
2. Offer greater recognition to participants in ASN's poster competitions.
3. Provide uniformity in how ASN conducts poster competitions across all ASN groups, including the RIS and Councils, as well as various Committees.
4. Enable improved management of poster competition events by ASN staff and volunteer leaders. The highest-scoring abstracts will be considered finalists and will be invited to participate in the contest.

Each RIS will recruit a panel to judge the finalists within their respective abstract categories. Notifications have

already gone out to the top 20% of abstracts inviting them to participate as well as notifying them through the EB submission site. For more information as well as a list of participants, please go to: http://scientificsessions.nutrition.org/special_events/

I urge you to attend the individual RIS business meetings and events to network with your peers to create program topics, events, etc. for the next meeting in 2016. Thank you to everyone who helped to create this year's strong scientific program at ASN's Scientific Sessions and Annual Meeting at EB and hope to see you in Boston!

Submitted by Kevin Schalinske, PhD
kschalin@iastate.edu

Aging & Chronic Disease

We are getting closer to EB 2015 in Boston between March 28-April 1. By now, you should have heard about your abstract acceptance and registered for the meeting.

Our RIS has endorsed the following sessions at ASN's Scientific Sessions and Annual Meeting at EB 2015:

Symposia:

Saturday, March 28, 2015. 3:00 – 5:00 PM

Nutritional Approaches for Osteosarcopenic Obesity: Interrelationships between Bone, Muscle, and Fat

Wednesday, April 1, 2015. 10:30 AM – 12:30 PM

Moderate Alcohol Use, Nutrition and Chronic Diseases: What We Know and Where to Go Next

Minisymposia:

Tuesday, March 31. 8:00 – 10:00 AM

Aging: Risk Factor Modification for Healthy Aging

Chair: Bahram H. Arjmandi; *Co-Chair:* Elizabeth Reverri;
Room: 154

Tuesday, March 31. 10:30 AM – 12:30 PM

Nutrition Across the Lifespan (Co-sponsor: Aging, Obesity and Nutrition Translation)

Chair: Carmen Sceppa; *Co-Chair:* Christy Tangney;
Room: 153 C

We will also have five poster sessions, two on Sunday, March 29: Risk Factor Modification for Cardiometabolic Health and Chronic Disease, and Nutritional Needs and Assessment in Older Adults/Populations; two on Monday, March 30: Nutrition and Sarcopenia, and Nutrition and

Osteoporosis; and one on Tuesday, March 31: Nutrition Across the Lifespan: Nutrition, Neurobiology, Mood and Behavior (Co-sponsor: Aging, Obesity and Nutrition Translation RIS)

More information about the meeting can be found on the website: <http://scientificsessions.nutrition.org/>

Business Meeting

We will hold our Annual Aging & Chronic Disease Business Meeting on **Monday, March 30** from 7:00 – 8:30 AM at the Renaissance Boston Waterfront Hotel Caspian Room. This will be an opportunity to interact with one another and to discuss our future initiatives and plans for the RIS.

Poster Award Competition

The **ASN's Emerging Leaders in Nutrition Science Poster Competition** will be held at the Ballroom East of the Boston Convention and Exposition Center on Saturday, March 28 from 5:00 – 7:00 PM. Our RIS's 4th annual graduate student poster competition, and 2nd postdoctoral fellow poster competition will take place during this time. Those of you selected for this competition will receive an invitation with logistics and guidelines. This will be a new venue at EB 2015 to recognize the highest quality new research presented by students and young investigators. Each poster presentation will be judged by 2-3 judges and grand prize winners will be chosen by each RIS.

We will be reaching out to our members who plan to attend EB 2015 to serve as poster judges. Please contact Carmen Castaneda Sceppa, M.D., Ph.D., Chair, (c.sceppa@neu.edu) if you are interested in helping out. Another vital contribution is serving as our photographer for our morning meeting. We are looking for 2-3 volunteers. If you are interested in doing this, please let me know (c.sceppa@neu.edu).

Don't forget to check out our new RIS website: www.nutrition.org/agingandchronicdisease/.

Let us know if you would like other announcements posted. Please do not hesitate to suggest other issues important to our RIS with me directly (c.sceppa@neu.edu) or through our listserv AgeChron@lists.nutrition.org.

*Submitted by Carmen Castaneda Sceppa
Chair, Aging Chronic Disease RIS
Northeastern University
c.sceppa@neu.edu*

CARIG

CARIG continues to promote research into the nutritional roles, functions, and actions of carotenoids and their metabolites. We would like to remind you all and the

CARIG members to mark their calendars for several upcoming CARIG sponsored events to be held at Experimental Biology 2015 in Boston. The CARIG 2015 Conference will be held on Friday afternoon, March 27, before the Saturday opening of the ASN program. This conference will focus on “*Carotenoids, Retinoids and Cancer*” and will cover a wide spectrum of disciplines, including epidemiology, mechanisms of action, fundamental, foundational and clinical research. The *J. Olson Memorial Lecture* entitled “*Conversion of Dietary Carotenoids and Vitamin A into Bioactive Retinoids: Exploring Trails Blazed by Jim Olson*” will be given by Earl Harrison (The Ohio State University). Other featured CARIG presentations are “*Retinoic Acid Biosynthesis Defects in Cancer*” by Maureen Kane (University of Maryland), “*The Antioxidant Conundrum: Just Do It?*” by Harold Seifried (National Cancer Institute – National Institutes of Health), “*Tomato Carotenoids and Fatty Liver Disease*” by Xiang-Dong Wang (Tufts University), and “*Tomato Carotenoids and Risk of Prostate Cancer*” by John W. Erdman, Jr. (University of Illinois – Champaign-Urbana).

EB 2015 also will feature a CARIG/VARIG trainee poster and award session, and business meeting during the annual social following the CARIG conference on March 27.

The minisymposia on “**Carotenoids and Retinoids in Human Health**” will be held on Saturday, Saturday, March 28, 10:30 AM – 12:30 PM, in Room 156 A

CARIG Poster Sessions:

Sunday, March 29.

1. CARIG: Carotenoids and Health/ Carotenoids & Retinoids Molecular Mechanisms of Action
2. CARIG: Bioavailability and Metabolism of Carotenoids and Vitamin A
3. CARIG: Biofortification of Staple Crops with Micronutrients

I would like to thank all the members who have already volunteered to help us in the coming year and in particular the steering committee members. If you are interested in contributing as a RIS officer, or if you have ideas for symposia or CARIG Conference topics for EB 2016, please contact the RIS leadership: Zeina Jouni (Chair, zeina.jouni@kellogg.com), Sherry Tanumihardjo (Chair Elect, sherry@nutrisci.wisc.edu) or Jessica Campbell (Treasurer, Jessica.Campbell@genmills.com).

Additional information on the upcoming 2015 events will appear through the listserv and in subsequent issues of Nutrition Notes.

*Submitted by Zeina Jouni, Chair
zeina.jouni@kellogg.com*

Diet and Cancer RIS

We are happy to announce that the Diet and Cancer RIS received 66 abstracts for the EB 2015. We will have two mini-symposia and three poster sessions. The top-rated posters will also be presented Saturday evening when judging for awards will take place.

Please consider going to the Diet and Cancer RIS events:

Minisymposium:

Tuesday, March 31. 10:30 AM – 12:30 PM, Room 156A

Fat versus Fiber in Colon Cancer: Opposite in the End?

Minisymposium:

Tuesday, March 31. 3:00 – 5:00 PM, Room 156A

Uncovering the Role of Diet in Cancer Prevention: Population Based Studies

Posters:

Monday, March 30.

Diet and Cancer: Molecular Targets

Monday, March 30.

Diet and Cancer: Animal Studies

Tuesday, March 31.

Diet and Cancer: Clinical and Human Studies.

ASN's Emerging Leaders in Nutrition Science Poster Competition for invited posters. Saturday, March 28. Please come and support your fellow researchers!

Annual Meeting of Members

Sunday, March 29. 1:00 – 2:00 PM, Room 156C (WITH REFRESHMENTS!)

We are fortunate to have two speakers at the Annual Meeting of Members! We hope this will be useful to our membership:

- Dr. Susan Higginbotham, Vice President of Research at the American Institute for Cancer Research, will talk about grant opportunities at the AICR.
- Dr. Nancy Emenaker from the National Cancer Institute will talk about Diet and Cancer: Positioning Yourself for NIH funding.

At the annual meeting of members we will also distribute poster awards, welcome Dr. Eunyong Cho as the new chair for 2015-2016, and solicit nominations for the 2016 chair.

RIS activities at the Annual Meeting of Members are generously supported by the American Institute for Cancer Research (AICR). We also received support from Teklad Diets/Harlan Laboratories, Inc. We thank our supporters for facilitating the activities of our RIS!

We look forward to getting together and sharing ideas in Boston!

Submitted by Zora Djuric, RIS Chair 2014-2015

Zoralong@med.umich.edu

Dietary Bioactive Components

Greetings DBC RIS members! EB 2015 is fast approaching. *Thank you* to those who reviewed the 230 abstracts submitted to the DBC RIS. This year, in addition to several excellent poster sessions, the DBC RIS will have oral presentations in the following minisymposia:

- Bioavailability, Metabolism and Biomarkers of Dietary Bioactive Components
- Mechanisms of Action and Molecular Targets of Dietary Bioactive Components I and II
- Effects of Dietary Bioactive Components in Animal Models of Obesity and Cardiometabolic Risk
- Antioxidant and Anti-inflammatory Effects of Dietary Bioactive Components
- Effects of Dietary Bioactive Components in Animal Models of Chronic Disease Risk
- Dietary Bioactive Components and Markers of Chronic Disease: Human Intervention Studies
- Dietary Bioactive Components of Medicinal, Functional, and Fermented Foods

Dates times and information regarding other DBC endorsed sessions can be found on the ASN site: <http://scientificsessions.nutrition.org/program/> under Sessions and Activities by ASN Group.

The DBC RIS has converted its business meeting into a hot topic session. EB attendees can look forward to a **DBC Hot Topics Session** entitled **“The Role of Dietary Bioactive Components in Bone Health and Development”** chaired by Dr. Taylor Wallace. This session will be held on **Monday, March 30 from 12:45 – 2:30 PM** in Boston Convention Center Room 152. Thank you to the California Dried Plum Board for its generous sponsorship! I encourage all to attend, as Dr. Wallace has organized an excellent session on a very timely topic! Speakers and presentations include the following:

- **Dr. Connie Weaver** presenting “Approaches to Comparing Bioactive Components for Benefitting Bone Health”
- **Dr. Martin Ronis** presenting “Bone Anabolic Effects of Soy and Blueberries: Regulation of Bone Turnover by Isoflavones and Dietary Phenolic Acids”
- **Dr. Brenda Smith** presenting “Osteoprotective Effects of Dried Plum: A Promising Dietary Strategy to Counter Age-Related Bone Loss”
- **Dr. Chwan-Li (Leslie) Shen** presenting “Tea Polyphenols in Bone Protection”
- A panel discussion and Q/A session led by **Dr. Taylor Wallace**

This year ASN is piloting a new format for the RIS poster competition. The session is entitled **“ASN’s Emerging Leaders in Nutrition Science Poster Competition”** and will feature the highest rated abstracts from each RIS group. The session will be held on **Saturday, March 28 from 5:00 – 7:00 PM** in Ballroom East of the Convention Center. The University Mixer will follow the session, from 8-10 PM in the Renaissance Hotel. Thanks to PepsiCo for providing funds for refreshments! We also thank the Council for Responsible Nutrition and the National Confectioners’ Association for their generous support of our RIS.

On behalf of the DBC RIS leadership (Past-Chair Taylor Wallace, Chair-Elect Joshua Lambert, Secretary Maria Stewart, Treasurer Petra ‘Peko’ Tsuji, Student Rep Benjamin Redan, and Members-at-large Wanida Lewis and Teresa Johnson), we are all looking forward to seeing you in Boston!

*Submitted by Janet A. Novotny
Dietary Bioactive Components RIS Chair
Janet.Novotny@ars.usda.gov*

Experimental Animal Nutrition

Many thanks to all who submitted an abstract to one of the Experimental Animal Nutrition categories for Experimental Biology 2015, to be held in Boston, March 28 to April 1, 2015. We received an impressive 80 abstract submissions that were assigned to three minisymposia and poster sessions, scheduled and chaired as follows:

Minisymposia:

Sunday, March 29. 8:00 – 10:00 AM

Exp Animal Nutr: Animal Models of Fetal Nutrition, Programming and Neonatal Development

Chair: Tina Herfel
Co-Chair: Samer El-Kadi
Room: 156 B

Sunday, March 29. 3:00 PM – 5:00 PM

Exp Animal Nutr: Comparative Animal Nutrition and Physiology

Chair: Kate Shoveller
Co-Chair: Kola Ajuwon
Room: 156 C

Monday, March 30. 10:30 AM – 12:30 PM

Exp Animal Nutr: Animal Models of Nutrition and Intestinal Disease

Chair: Elizabeth Gilbert
Co-Chair: Kim Barnes
Room: 156 C

Poster sessions

Monday, March 30.

1. **Exp Animal Nutr: Animal Models of Fetal Nutrition, Programming and Neonatal Development**
2. **Exp Animal Nutr: Animal Models of Nutrition and Disease**
3. **Exp Animal Nutr: Animal Models for Nutrition across Physiological States**

Activities:

Business meeting

Our annual business meeting will be **Saturday, March 28, 2015 from 2:00 – 4:00 PM in the BCEC Room 156A.**

The agenda currently includes a brief update by the chair and elections for steering committee positions. Please send any business to be discussed at the meeting to egilbert@vt.edu. Light refreshments and beverages will be provided.

Poster competition

Please join us on **Saturday evening, March 28, from 5:00 to 7:00 PM in the Ballroom East of the Convention Center** for the **ASN’s Emerging Leaders in Nutrition Science Poster Competition**, recognizing the highest quality new research presented by students and young investigators at ASN’s Scientific Sessions. This competition will replace the RIS-specific annual poster competition. Students selected for participation in the competition should already have been notified via email. We are currently soliciting volunteers to serve as judges for the presentation. If you are interested in serving as a judge, please contact Dr. Kola Ajuwon (kajuwon@purdue.edu).

Additional Business:

Fundraising

If you have industry contacts that might be interested in sponsoring RIS activities (primarily to assist with the costs of the business meeting and poster competition), please contact me (egilbert@vt.edu) or Dr. Kola Ajuwon (kajuwon@purdue.edu).

2015 Elections

We are currently seeking nominations for new members of our Steering Committee. This year, we have the following openings:

- Secretary (this position is a five year commitment where the individual will rotate through the positions of Secretary → Treasurer → Chair-Elect → Chair → Past-Chair)
- Program Coordinator (two year term)
- Industrial Representative (two year term)

Please consider nominating yourself or a colleague for one of these positions. Voting for the 2015/2016 Steering Committee members will be conducted at the business meeting, with position terms beginning in June 2015. If you have any questions regarding the available Steering

Committee positions or would like to submit a nomination, please contact me (egilbert@vt.edu).

It is never too early to start planning for EB 2016! Ideas for new minisymposia categories or full symposia are always welcome. Thank you all again for your continued support of the Experimental Animal Nutrition RIS and I look forward to seeing you in Boston.

Submitted by Elizabeth Gilbert, PhD
egilbert@vt.edu

Energy and Macronutrient Metabolism

Greetings EMM-RIS Members! Many of you are probably in the process of preparing for your trip to Experimental Biology in Boston. This year, the EMM-RIS will sponsor several mini-symposia, poster sessions and full symposia.

Please mark your calendars to attend the annual **EMM-RIS Business Meeting and Hot Topics presentation** beginning at 3:00 PM on **Saturday, March 28**. The schedule of events is below:

- 3:00 – 3:15 PM: Welcome Reception
- 3:15 – 3:25 PM: EMM-RIS Business Meeting and Updates
- 3:25 – 3:30 PM: Announcement of EMM-RIS Student and Postdoc Travel Awards
- 3:30 – 4:10 PM: Hot Topics Seminar (30 min presentation; 10 min Q&A)
- 4:10 – 4:30 PM: Continuation of Reception

*For the Hot Topics Lecture, **Dr. Deborah Muoio**, Associate Professor in the Sarah W. Stedman Nutrition and Metabolism Center at Duke University, will present *“Mechanisms of nutrient-induced mitochondrial stress in obesity and diabetes.”*

The following is a schedule of the other EMM-RIS sponsored events:

Mini-symposia Sessions:

Sunday, March 29.

- 8:00 – 10:00 AM: Energy Balance, Macronutrients and Weight Management
- 3:00 – 5:00 PM: Protein and Amino Acid Metabolism

Monday, March 30.

- 8:00 – 10:00 AM: Lipid and Fatty Acid Metabolism and Transport
- 10:30 AM – 12:30 PM: Obesity and the Metabolic Syndrome
- 3:00 – 5:00 PM: Protein Intake and Health Implications

Tuesday, March 31.

- 8:00 – 10:00 AM: Carbohydrate Metabolism
- 10:30 AM – 12:30 PM: Metabolic Phenotyping, Metabolomics and Biomarkers
- 3:00 – 5:00 PM: Dietary Fatty Acids and Health

Poster Sessions:

Sunday, March 29.

- Energy Balance, Macronutrients, and Weight Management
- Obesity and the Metabolic Syndrome (Co-sponsor: Obesity RIS)
- Carbohydrate Metabolism
- Diet and/or Exercise Regulation of Food Intake (Co-sponsor: Obesity RIS)
- Dietary Factors Affecting Lipid Metabolism
- Protein Intake and Health Implications

Monday, March 30.

- Protein and Amino Acid Metabolism
- Lipid and Fatty Acid Metabolism and Transport
- Energy and Macronutrient Metabolism and the Gut
- Metabolic Phenotyping, Metabolomics and Biomarkers

Symposia:

Sunday March 29. 8:00 – 10:00 AM

- Determinants of Disease Risk in the Postprandial Period
- Translational and Transformational Concepts in Amino Acid Sensing (Co-sponsor: Nutrient-Gene Interactions RIS)

Tuesday, March 31. 8:00 – 10:00 AM

- Is “When” We Eat as Important as “What” We Eat? — *Chronobiological Aspects of Food Intake* (Co-sponsor: Nutrition Translation RIS)

More information on the program can be found on the website: <http://scientificsessions.nutrition.org/program/>. Please make sure to go to the EMM page under Sessions and Activities by ASN Group.

If you have suggestions for future minisymposia, full symposia, presenters, or anything regarding EMM please contact Anna, Vicki or Jamie (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 (Anna can help with any questions).

Looking forward to seeing you all in Boston!

Submitted by Anna Thalacker-Mercer, Chair (aet74@cornell.edu) on behalf of Vicki Vieira-Potter, Chair-Elect (vieirapotterv@missouri.edu), and Jamie Baum, Past-Chair (baum@uark.edu)

Lactation

As winter settles in, it's a great time to be involved in Lactation Research and we have lots of news from the Lactation RIS!! It's time to start getting ready for Experimental Biology 2015!

Experimental Biology 2015 in Boston, MA

At EB 2015, the Lactation RIS has scheduled two mini-symposia and one Symposium. The program is shaping up to be another outstanding year for lactation biology and breastfeeding research!

The Symposium entitled **An Interdisciplinary Examination of Potential Effects of Maternal Obesity on Lactation Physiology and the Human Milk Microbiome** chaired by Drs. Cheryl Lovelady and Laurie Nommsen-Rivers is scheduled for Tuesday, March 31, 10:30 AM – 12:30 PM in the Boston Convention Center-Ballroom East.

Two mini-symposia are scheduled:

Sunday, March 29. 8:00 – 10:00 AM

Lactation: Biology of Lactation Including Bioactive Components and Other Milk Constituents and Their Effect on the Infant

Chair: Shannon Kelleher

Co-Chair: Hannah Holscher

Room: 154

Sunday, March 29. 3:00 – 5:00 PM

Lactation: Lactation and Maternal and Infant Health

Chair: Cheryl Lovelady

Co-Chair: Elyse Shearer

Room: 154

The four poster sessions are:

Sunday, March 29.

- 1. Lactation: Relationships of Maternal Diet and Health to Lactation Performance and Infant Health**
- 2. Lactation: Predictors of Lactation Initiation and Duration; and Interventions to Improve Lactation Success**
- 3. Lactation: Bioactive Components and Other Milk Constituents and Their Effect on the Infant**
- 4. Lactation: Biology of Lactogenesis, Lactation and Milk Composition**

Our business luncheon will be held in the Convention Center on Monday March 30, 12:30 – 2:30 PM. Be sure to check the program for the location. Everyone with an interest in lactation and breastfeeding is welcome!

EB Poster Competition

New to EB this year, the ASN Emerging Leaders in Nutrition Science Poster Competition! This was created to highlight the very best research submitted by students and young investigators. Outstanding abstracts from trainees across the Society will be selected to compete for the ASN Poster Competition. Poster presentations will be judged

and grand prize winners will be chosen by each RIS and Council. Winners will receive a certificate and travel award. The event will be held Saturday, March 28 from 5:00 – 7:00 PM in the Boston Convention Center-Ballroom East.

FASEB Summer Research Conference

Registration is now OPEN for an exciting FASEB Summer Research Conference entitled *Origins and Benefits of Biologically-Active Components in Human Milk* which will be held in Big Sky, Montana July 19-24, 2015. This conference promises to be exceptional, featuring world-renowned researchers and speakers from around the globe and plenty of quality time for casual discussions among colleagues focused on the study of human milk and lactation. For more information, please see the website: <http://www.faseb.org/SRC-HuMilk/Home.aspx>

The International Society for Research in Human Milk and Lactation (ISRHML)

Planning for the 18th ISRHML Conference in 2016 is already underway! This meeting will be held in Stellenbosch, South Africa from March 3-7, 2016. For more information about ISRHML or the conference, please see the website: <http://isrhml.net/>

Like us on Facebook (Lactation RIS of ASN) and follow us on Twitter (@Lactation_RIS). You can also like ISRHML on Facebook (ISRHML) even if you are not a member of the Society.

*Submitted by Shannon Kelleher
Penn State College of Medicine
Chair-Elect, Lactation RIS
slk39@psu.edu*

Nutrition Education & Behavioral Science

Please join our business meeting and special event "Digging Deeper: Qualitative Data Collection and Analysis" workshop at Experimental Biology Conference, 2015 on Monday, March 30th from 3:00 – 5:00 PM. **We will start off our event by announcing our poster competition winners! Then move into our main event the qualitative data collection workshop.**

The overall objective of our workshop is to update attendees on the best data collection techniques used in qualitative studies and how to manage the detailed data collected. We have an amazing line up of speakers including:

- Henna Muzaffar PhD, RD presenting "Content Analysis for Qualitative Analysis"
- Jinan Banna PhD, RD presenting "Qualitative Data Collection – Focus Groups"
- Olukemi T. Oyelola PhD presenting "Qualitative Data Collection – Individual Interviews"

- Virginia Carraway-Stage PhD, RD presenting
“Grounded Theory Analysis for Qualitative Data”

We feel this session will be a useful introduction to the area of qualitative data collection methods and qualitative data analysis. Specifically, in examining nutrition-related behaviors, qualitative studies provide rich data that may be used to identify factors influencing individual food choices. The data collection and analysis techniques described in this workshop may be utilized in such qualitative studies, allowing researchers to work towards understanding the driving factors behind food choices and development of solutions to address the pressing nutrition-related problems in today’s modern society.

We hope to see you at this event!

Other Nutrition Education & Behavioral Science events at EB include:

Saturday, March 28. 5:00 – 7:00 PM

ASN’s Emerging Leaders in Nutrition Science Poster Competition

BCEC – Ballroom East

Minisymposia:

Sunday, March 29. 3:00 – 5:00 PM

Nutr Edu: Childhood Obesity Prevention

Room: 156 B

Monday, March 30. 10:30 AM – 12:30 PM

Nutr Edu: Nutrition Education and Behavior Change

Room: 156 B

Tuesday, March 31. 10:30 AM – 12:30 PM

Nutr Edu: Developing Healthy Eating and Physical Activity Behaviors Across the Lifespan

Room: 156 B

Poster sessions:

Monday, March 30.

- 1. Nutr Edu: Childhood Obesity Prevention**
- 2. Nutr Edu: Developing Healthy Eating and Physical Activity Behaviors Across the Lifespan**

Tuesday, March 31.

- 3. Nutr Edu: Evidence-Based Nutrition Education: Development, Testing, and Evaluation**
- 4. Nutr Edu: Nutrition Education and Behavior Change**

If you are interested in joining our RIS executive committee next year, please email me (Jill.Kaar@ucdenver.edu). We have many positions opening up this year including chair-elect, student representatives, senior advisory committee and more. If you want an opportunity to become more active with in ASN, in particular our RIS, it is a great place to start! We hope you will join our committee next year!

Submitted by Jill Kaar

jill.kaar@ucdenver.edu

Nutrient-Gene Interaction

We look forward to seeing each of you in Boston for Experimental Biology 2015. Thank you much to those that submitted work under subtopics sponsored by NGI as well as to those that volunteered to review abstracts or chair/co-chair mini-symposia. We are excited to announce that will be participating in ASN’s Emerging Leaders in Nutrition Science Poster Competition on Saturday, March 28, 5:00 – 7:00 PM. We will be calling on members who plan to attend the meeting to serve as judges for the poster competition. NGI is also hosting the following mini-symposia and poster sessions:

Minisymposia:

Monday, March 30. 3:00 – 5:00 PM

Nutrient-Gene Interactions: Genomics, Proteomics, and Metabolomics

Chair: Janos Zemleni

Co-Chair: Sharon Ross

Room: 156 A

Tuesday, March 31. 3:00 – 5:00 PM

Nutrient-Gene Interactions: Obesity and Inflammation

Chair: Mazen Hamadeh

Co-Chair: Jamie Baum

Room: 154

Poster sessions:

Monday, March 30.

- 1. Nutrient-Gene Interactions: Genomics, Proteomics, and Metabolomics**
- 2. Nutrient-Gene Interactions: Epigenetics**
- 3. Nutrient-Gene Interactions: Obesity and Inflammation**
- 4. Nutrient-Gene Interactions: Biomarkers**

Tuesday, March 31.

- 5. Nutrient-Gene Interactions: Chronic Disease**
- 6. Nutrient-Gene Interactions: Exercise**
- 7. Nutrient-Gene Interactions: Bioactives**

We hope that all NGI members will join us for our annual business meeting on Sunday, March 29, 1:30 – 2:30 PM, BCEC 153-B. This will be a great opportunity to mentor and network with other members of our RIS as well as celebrate those that participated in the poster competition.

Safe travels and see you in Boston.

Submitted by Ron F. Morrison, Chair, NGI-RIS

rfmorrison@uncg.edu

Tom Wang, Chair-Elect, NGI-RIS

Tom.Wang@ars.usda.gov

Nutritional Epidemiology

We are pleased to announce that the Nutritional Epi RIS will hold its Business Meeting (light refreshments served) followed by the 2nd offering of our Mentoring event on **Sunday, March 29, 2015; 4:00 – 6:00 PM in the Renaissance Boston Hotel – Atlantic Ballroom 1.** We are looking forward to meeting you all! Come mingle, say hello to old friends and make new friends and connections in the exciting field of Nutrition Epidemiology.

The mentoring event will provide a venue for RIS members to connect with mentors from academia, government and industry. Focus will be on successful mentoring relationships, continued learning and training, networking and job search. RSVP for the mentoring event will be sent out closer to the conference date. Thanks to the Mentoring Subcommittee (Shivani Sahni, Namanjeet Ahluwalia, Claire Zizza, Shilpa Bhupathiraju, Kelsey Mangano, Nour Makarem and Paula Eichenbrenner) for coordinating this event. To volunteer for this event, please contact the event lead Shivani (ShivaniSahni@hsl.harvard.edu).

If you are not a member of our RIS, you are welcome to participate in any of these events, read up on our RIS and join the group. Here is the link: <http://www.nutrition.org/about-asn/research-interest-sections/nutritional-epidemiology/>.

Below are our RIS's program highlights at EB including poster award competition, 2 symposia, 6 minisymposia and poster sessions. Special thanks to all our members who reviewed and scored abstracts submitted to our RIS and helped coordinate these events.

Our Poster Award Competition will be in conjunction with ASN's Emerging Leaders in Nutrition Science Poster Competition and will be held for graduate students and post-doctoral fellows along with all other RIS's on **Saturday, March 28, 5:00 – 7:00 PM.** Venue: BCEC – Ballroom East. Please come join us and enjoy the best Nutrition Epi Research featured at this competition and encourage the young leaders of tomorrow. Thanks to Amy Millen for leading this event and to all who reviewed and scored the abstracts, and to those who will be judging the posters in advance! If you would like to volunteer further at this event, please contact Amy (aemillen@buffalo.edu). Winners will be announced at our RIS's business meeting on Sunday (described above).

Symposia:

We have organized two cutting edge symposia this year for EB 2015! Your participation in these is critical to move this research forward.

Monday, March 30, 2015. 3:00 – 5:00 PM

Approaches to Account for the Effects of Inflammation on Nutrient Biomarkers: Nutrition Determinants of Anemia (BRINDA) Project

Organized by the Global Nutrition Council (GNC) and the Nutritional Epidemiology RIS

Chairs: Rafael Flores-Ayala and Daniel Raiten

Wednesday, April 01, 2015. 10:30 AM – 12:30 PM

Moderate Alcohol Use, Nutrition and Chronic Diseases: What We Know and Where to Go Next

Endorsed by the Nutritional Epidemiology RIS, Obesity RIS and Aging and Chronic Disease RIS

Chairs: Niyati Parekh and Lisa M. Troy

More information on these sessions can be found on the ASN website: <http://scientificsessions.nutrition.org/program/>

In addition we are offering 6 minisymposia and Poster Sessions on the EB 2015 Nutrition EPI RIS platter! Thanks to all of you who worked so hard to help review abstracts and organize the following minisymposia and related poster sessions that will be held from Sunday March 29 through Wednesday, April 1.

Sunday, March 29. 8:00 – 10:00 AM

Nutr. Epi: Epidemiological Research Addressing Diet and Health Outcomes

Chair: Shivani Sahni Co-Chair: Amy Millen

Sunday, March 29. 3:00 – 5:00 PM

Nutr. Epi: Innovation and Validation of Dietary Assessment Tools and Their Applications

Chair: Carol J Boushey Co-Chair: Claire Zizza

Monday, March 30. 8:00 – 10:00 AM

Research with Dietary Supplements and Bioactive Components

Chair: Namanjeet Ahluwalia Co-Chair: Regan Bailey

Monday, March 30. 10:30 AM – 12:30 PM

Nutr. Epi: Nutrition and Chronic Disease Epidemiology

Chair: Nicholas Ollberding Co-Chair: Niyati Parekh

Monday, March 30. 3:00 – 5:00 PM

Nutr. Epi: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets

Chair: Patricia M. Guenther Co-Chair: Claire A. Zizza

Tuesday, March 31. 8:00 – 10:00 AM

Nutr. Epi: Epidemiologic Methods in Examining Health Outcomes in Diverse Populations (Co-sponsor: Minority and Diversity Affairs Committee)

Chair: Lisa M. Troy Co-Chair: Margarita Teran-Garcia FTOS

Poster sessions:

Sunday, March 29.

- 1. Nutr. Epi.: Research with Dietary Supplements and Bioactive Components**
- 2. Nutr. Epi.: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets**

Monday, March 30.

- 3. Nutr. Epi.: Epidemiologic Methods in Examining Health Outcomes in Diverse Populations (Co-sponsor: Minority and Diversity Affairs Committee)**
- 4. Nutr. Epi.: Epidemiological Research Addressing Diet and Health Outcomes**

Tuesday, March 31.

- 5. Nutr. Epi.: Innovation and Validation of Dietary Assessment Tools and Their Applications**
- 6. Nutr. Epi.: Nutrition and Chronic Disease Epidemiology**

Thank you and look forward to seeing you at EB in Boston!

*Submitted by Naman Ahluwalia, PhD, FACN
Chair, Nutrition Epidemiology RIS
N.Ahluwalia@cdc.gov*

Nutritional Immunology

It is time for Experimental Biology! The Nutritional Immunology RIS will be sponsoring several activities at the meeting in Boston. Please note that our business meeting will occur on Sunday, **March 29th from 4:00 – 5:00 PM** in the Renaissance Spectacle Room. Our trainee poster competition will be held concurrently with those of other RIS. This combined poster session, ASN's Emerging Leaders in Nutrition Science Poster Competition on Saturday, March 28th from 5:00 – 7:00 PM in the Ballroom East room of the convention center. Participants were selected on the basis of their abstract scores and have been notified by ASN. Our RIS business meeting and trainee awards rely on support through unrestricted educational grants from our sponsors: Arla Food Ingredients, Mead Johnson Nutrition and Shaklee Corporation. Thank you, sponsors!

In addition to our Nutritional Immunology Minisymposia on Monday, March 30th at 8:00 AM, we are also co-hosting a symposium entitled 'Diet and Immunometabolism' on Tuesday, March 31st at 8:00 AM. The symposium will feature speakers from immunology and metabolism and cover areas ranging from gene-nutrient interactions, to immune-metabolic crosstalk and targeted immune cell therapies for the treatment of metabolic disorders. Speakers include Gerald Denis, Alyssa Hasty, Barbara Nikolajczyk, Wajahat Mehal, and Andrew Greenberg. More details and reminders can be found on the Facebook page (www.facebook.com/NutImmRIS) and twitter feed (Nutrition Immune RIS, @NutImmRIS) as well as the ASN website: <http://scientificsessions.nutrition.org/>

Are you interested in becoming more involved in programming for the annual meeting? Get involved through our RIS. Nominate yourself, or a colleague, for a position on the Nutritional Immunology RIS Steering Committee. Positions include Chair-elect, Secretary and Trainee Representative.

Contact the RIS at NutImmRIS@gmail.com. See you in Boston!

*Submitted by Sarah Comstock, Ph.D.
Nutritional Immunology RIS, Secretary*

Nutrition Translation

The Nutrition Translation: from Bench to Consumer RIS (NT RIS) is excited to announce some great programs for EB 2015. Plan to join us in Boston and get to know our growing RIS.

NT RIS annual business meeting and networking luncheon

If your research or professional interests involve the translation of nutrition knowledge to improve human health, we encourage you to attend our annual meeting. We'll be serving lunch and are finalizing a speaker on the topic of communicating science in the media. Join us Sunday, March 29, 2015. 12:30 – 2:30 PM, Boston Convention & Exhibition Center – Room 150.

Poster competition

We are proud to participate in ASN's Emerging Leaders in Nutrition Science Poster Competition Saturday, March 28. 5:00 – 7:00 PM, Boston Convention & Exhibition Center – Ballroom East. NT RIS winners will be announced at the conclusion of the competition.

Make sure to attend the two NT RIS symposia:

Tuesday, March 31. 8:00 – 10:00 AM

Is "When" We Eat as Important as "What" We Eat? – Chronobiological Aspects of Food Intake

*Chairs: Lisa Sanders, PhD, RD and Carol O'Neil, PhD
Boston Convention & Exhibition Center – Room 157 ABC
Endorsed by the Energy & Macronutrient Metabolism RIS and Nutrition Translation RIS
Supported by Kellogg Company and PepsiCo, Inc.*

Tuesday, March 31. 3:00 – 5:00 PM

Pediatric Neurocognitive Development: Emerging Insights and Applications in Nutrition

*Chairs: Miguel Alonso-Alonso, MD and Emily C. Radlowski, PhD RD
Boston Convention & Exhibition Center – Grand Ballroom East
Organized by the Nutrition Translation RIS and
Endorsed by Global Nutrition Council (GNC), Nutritional Sciences Council (NSC) and Lactation RIS*

Supported by the University of Illinois at Urbana-Champaign's Center for Nutrition, Learning and Memory which is sponsored by Abbott Nutrition

Join us for the following NT RIS minisymposia and poster sessions:

Minisymposia

Sunday, March 29. 8:00 – 10:00 AM

Nutrition Translation: Nutrition Science for Public Policy, Practice and the Consumer

Chair: Beth Bradley *Co-Chair:* Frances Coletta

Student Chair: Erin Glynn

Boston Convention & Exhibition Center Room – 156 C

Tuesday, March 31. 10:30 AM – 12:30 PM

Nutrition Across the Lifespan

Co-sponsored by Aging, Obesity and Nutrition Translation

Chair: Carmen Sceppa *Co-Chair:* Christy Tangney

Boston Convention & Exhibition Center Room – 153 C

Poster sessions

Monday, March 30.

Nutrition Translation: Food Science and Technology in Nutrition

Nutrition Translation: Nutrition Science for Public Policy, Practice and the Consumer

Tuesday, March 31.

Nutrition Across the Lifespan: Nutrition, Neurobiology, Mood and Behavior

(Co-sponsors: Aging, Obesity and Nutrition Translation)

EB 2014 Update

We're happy to announce that a comprehensive review based on the EB 2014 symposium on the food-brain connection co-sponsored by the NT RIS and ILSI was recently submitted to *Advances in Nutrition*. Following the publication of the short proceedings in the September 2014 *Advances in Nutrition*, watch for the full review article in 2015: *The Neurocognitive Basis of Overeating and Obesity: Food Reward and the Control of Intake* by H. Ziauddeen, M. Alonso-Alonso, J.O. Hill, M. Kelley and N.A. Khan.

Submitted by Jill Nicholls

jill.nicholls@rosedmi.com

Obesity

The Obesity Research Interest Section is looking forward to Experimental Biology in Boston 2015. The abstract evaluation process is complete and the Obesity RIS is supporting three mini-symposia this year:

Monday, March 30. 8:00 – 10:00 AM

Obesity: Chronic Diseases

Chair: Frank Greenway Room: 156 B

Monday, March 30. 3:00 – 5:00 PM

Obesity: Childhood Obesity Management

Chair: Mark Cope, Room: 156 B

Tuesday, March 31. 8:00 – 10:00 AM

Obesity: Gut Microbiome and Obesity

Chair: David Allison, Room: 156 B

Five Poster sessions:

Sunday, March 29.

1. Obesity. Diet, Devices, Medications and Surgery

2. Obesity. Gut Microbiome and Obesity

3. Obesity. Chronic Diseases

Monday, March 30.

4. Obesity. Macronutrients and Obesity

5. Obesity. Body Composition

Symposia

Tuesday, March 31. 8:00 – 10:00 AM

Diet and Immunometabolism

Endorsed by the Nutritional Immunology RIS and Obesity RIS

Wednesday, April 1. 10:30 AM – 12:30 PM

Moderate Alcohol Use, Nutrition and Chronic Diseases. What We Know and Where to Go Next

Endorsed by the Nutritional Epidemiology RIS, Obesity RIS and Aging and Chronic Disease RIS

This year's poster competition will be the first ASN's Emerging Leaders in Nutrition Science Poster Competition: Saturday, March 28. 5:00 – 7:00 PM, BCEC – Ballroom East

More information on the ASN webpage: <http://scientificsessions.nutrition.org/program/>

The Obesity RIS will award poster presenters from the Obesity section of ASN's Emerging Leaders in Nutrition Science Poster Competition at the annual business meeting. Please be sure to come to the competition as well and support your fellow researchers. The business meeting will take place on Tuesday, March 31, 11:30 AM – 12:30 PM. We are also planning to have a hot topics presentation on "The Future of Obesity Prevention and Treatment" at the business meeting.

Submitted by Mark Cope

Mark.Cope@Dupont.com

Vitamins and Minerals

Greetings and happy new year to all ASN and Vitamin and Mineral RIS (VM RIS) members! It's hard to believe that we are only weeks away from EB 2015. The VM RIS has several great events planned for EB 2015:

Award Competition:

Saturday, March 28. 5:00 – 7:00 PM

ASN's Emerging Leaders in Nutrition Science Poster Competition BCEC – Ballroom East

Vitamins & Minerals RIS Forum and Business Meeting.

Sunday, March 29, 2015. 12:45 – 2:45 PM. Room 156 A.

This will be a great opportunity to network with other VM RIS members and to discuss strategies to strengthen the RIS. The selected 2015 VM RIS Outstanding Investigator will also present a 30 minute seminar detailing his/her research career.

Minisymposia:

Sunday, March 29. 8:00 – 10:00 AM

Vit Min. Micronutrient Bioavailability and Antioxidant Function

Chair: Lisa Tussing-Humphreys

Co-Chair: Crystal Karakochuk

Room: 156 A

Sunday, March 29. 3:00 – 5:00 PM

Vit Min. B Vitamins and One-Carbon Metabolism

Chair: Deshanie Rai

Co-Chair: Nana Gletsu-Miller

Co-Chair: Prasenjit Manna

Room: 156 A

Monday, March 30. 8:00 – 10:00 AM

Vit Min. Water and Fat Soluble Vitamins and Chronic Disease

Chair: Sushil Jain

Co-Chair: Maret Traber

Room: 156 A

Monday, March 30. 10:30 AM – 12:30 PM

Vit Min. Micronutrient Interventions

Chair: Art Grider

Co-Chair: Dongmin Liu

Student Chair: Samuel Scott

Room: 156 A

Poster Sessions:

Monday, March 30.

1. **Water and Fat Soluble Vitamins and Chronic Disease**
2. **Micronutrient Bioavailability and Antioxidant Function**
3. **Zinc and**
4. **Selenium**

Tuesday, March 31.

1. **B Vitamins and One-Carbon Metabolism**
2. **Micronutrient Interventions and**
3. **Trace Element Transport and Homeostasis in Health and Disease**

More information can be found on the ASN website:

<http://scientificsessions.nutrition.org/>

We are continuing to seek nominations for the 2015 Outstanding Vitamin and Mineral RIS Investigator Award.

The award is to recognize excellence in the area of vitamin and mineral research and is open to investigators at any stage of their career. Candidates must be Vitamin and Mineral RIS members and actively publishing research. Nominations must include a one-page bio stating current position, academic training, brief description of research interests, and list of recent publications. Self-nominations will be accepted. Selected Outstanding Investigator Awardee will receive a Plaque and a modest Cash Prize. Please send your nominations electronically to: Dr. Sushil Jain (sjain@lsuhsc.edu). Dead line for nominations is March 6, 2015.

VMRIS Committee is also soliciting **Vitamins/Minerals Symposium Topics for EB 2016**. Dead line for submission of topics is March 10, 2015. All submitted topics will be circulated among the members for on-line voting. The topics receiving most votes will be recommended to ASN for consideration for inclusion in EB 2016.

The VM RIS Leadership looks forward to seeing you in Boston and at all the VM RIS events!

Submitted by Lisa Tussing-Humphreys, PhD, MS, RD
ltussing@uic.edu



Ben Walsh from Green Seal presents ASN CEO Dr. John Courtney (left) with a Green Office Partner certificate.

Bold names signify ASN members.

Nutrition Notes seeks additional spotlight editors for various regions. Please email sprice@nutrition.org if you are interested.



Member Spotlight

Latin America and the Caribbean

Guatemala:
CeSSIAM: María José Soto filed her final report with the European Hydration Institute on the 2014 project “Study on the normative state,

and inter- and intra-individual variation on hydration status among Guatemalan preschool children with similar dietary intake. Hydration status through different measurement methods, equipment, and storage Systems” and has been awarded a follow-up grant for 2015. Can liquid ingested modify the osmolality of human milk?” **Monica Orozco** was an invited participant in at the Food and Agriculture Organization headquarters in Rome to attend the FAO Congress on Inland Fisheries.

Submitted by Noel Solomons
cessiam@guate.net.gt

Puerto Rico:
Alan Preston, Professor of the Department of Biochemistry, School of Medicine, University of Puerto Rico presented at the Annual Conference of the American

Physiological Society, Puerto Rico Chapter, in February, on: “Why Puerto Rico is especially vulnerable to the metabolic syndrome.”

Andrea Lopez-Cepero, graduate student at the University of Puerto Rico-MSU was awarded the FASEB MARC Poster/ Platform (Oral) Presenter Travel Award for Experimental Biology 2015.

Cristina Palacios, Associate Professor in the Nutrition Program at the Graduate School of Public Health, Medical Sciences Campus, University of Puerto Rico, presented at the Annual Conference of the American Physiological Society, Puerto Rico Chapter in February the conference entitled: Metabolic syndrome in Puerto Rico: role of vitamin D. She recently published the following paper in collaboration with **Dr. Katherine Tucker** from University of Massachusetts-Lowell: “Validation and reproducibility of a semi-quantitative food frequency questionnaire for use in the Puerto Rican population.” She also recently published the paper, “Inverse association between vitamin D status and diabetes in a clinic-based sample of Hispanic adults in Puerto Rico.”

Submitted by Christina Palacios
Cristina.palacios@upr.edu



United States

East

From the NIH Office of Dietary Supplements
The NIH Office of Dietary Supplements (ODS), through

its Vitamin D Initiative, sponsored the December conference and videocast, “Vitamin D: Moving Toward Evidence-Based Decision Making In Primary Care.” The conference was recorded and is available for viewing

via NIH video archives: <http://ods.od.nih.gov/Research/VitaminDConference2014.aspx>. ODS also sponsored the December workshop, “Nutritional Interventions in Primary Mitochondrial Disorders: Developing an Evidence Base.” The workshop Executive Summary is available on the ODS website: <http://ods.od.nih.gov/News/meetings.sec.aspx>

Johanna Dwyer and **Regan Bailey** spoke at an ILSI sponsored pre-conference workshop, “Defining Healthy Aging: From Science to Practice, the Link to Diet and Nutrition,” at the 67th Annual Scientific Meeting of The Gerontological Society of America in Washington in November. **Cindy Davis** gave an invited presentation,

“Human Microbiome Research: Past, Present and Future,” at the ILSI Annual Meeting in Phoenix in January. **Joseph Betz** gave the talk, “Clinically Tested Dietary Supplements,” and presented two ODS-authored posters at the Scripps 12th Annual “Natural Supplements: An Evidence-Based Update” conference in San Diego in January. **Kathryn Camp** presented “The Ketogenic Diet” at the NIH Nutritional Interventions in Primary Mitochondrial Disorders Workshop in December in Bethesda, MD.

Paul Coates and **Paul Thomas** are co-authors on the “Dietary Supplements” chapter, e-published in the November *World Review of Nutrition and Dietetics*. Drs. Coates and Thomas also authored a chapter on dietary supplements in the recently published physician’s reference book, “*Nutrition for the Primary Care Provider*” (Karger). **Johanna Dwyer, Rebecca Costello, and Joyce Merkel** contributed the chapter, “Dietary Supplements in Older Adults” in the “Handbook of Clinical Nutrition and Aging, 3rd Ed. (Humana).

Johanna Dwyer, Christine Taylor, and Regan Bailey and others are co-authors on the January *Advances in Nutrition* article, “Fortification and health: challenges and opportunities.” **Regan Bailey, Johanna Dwyer, Paul Thomas, Christopher Sempos**, and others are authors on the January on-line *Journal of Nutrition* article, “Multivitamin-mineral use is associated with reduced risk of cardiovascular disease mortality among women in the United States.” **Rebecca Costello, Leila Saldanha, Christopher Sempos** are co-authors on the article, “A select review reporting the quality of studies measuring endothelial dysfunction in randomized diet intervention trials,” published in the November *British Journal of Nutrition*. **Rebecca Costello** is a co-author on the November *Nutrition Journal* article, “The effectiveness of melatonin for promoting healthy sleep: a rapid evidence assessment of the literature.”

From the Graduate Program in Nutritional Sciences at Penn State University

Gordon Jensen gave the following two presentations: Aging and Gastrointestinal Function, ILSI Workshop, Washington, DC; Malnutrition and the Affordable Care Act, ASN Advances and Controversies in Clinical Nutrition, Washington, DC.

Cathy Ross presented a seminar on “Vitamin A in Early Life: Why Does It Matter?” at Nutrition Obesity Research Center at the University of Alabama at Birmingham in January.

The International Nut and Dried Fruit Council will award **Penny Kris-Etherton** the 2015 INC Award for Excellence in Research in May. This award is aimed at recognizing outstanding researchers whose contributions have led to significant accomplishments in health and nutrition research related to nuts and/or dried fruits.

From the Department of Nutritional Sciences at the University of Connecticut

Nancy Rodriguez was appointed Chair of the Science Board for the President’s Council on Fitness, Sports, and Nutrition for 2015.

From Department of Nutritional Sciences and the Graduate Program in Nutritional Sciences at Rutgers, The State University of New Jersey

On July 22, in Kansas City, **Malcolm Watford** gave an invited talk “Glutamine and glutamate: Nonessential or essential amino acids” at the Nonruminant Nutrition Symposium: Functional Amino Acids: New Paradigm shifts in understanding animal protein nutrition” at the 2014 Joint Annual Meeting of the American Society of Animal Science and the American Dairy Science Association. Dr. Watford also taught a graduate level mini-course “Tissue specific metabolism and metabolic regulation,” July 25th to August 8th at the Ministry of Food Industries Centre, College of Animal Science, China Agricultural University, Beijing, China. He also delivered a paper “Adipocyte derived glutamine promotes macrophage survival and cytokine production” and a session “Gut microbiome and its impact on metabolism” at the XII International Symposium on Insulin Receptors and Insulin Action, November 7-9, 2013, Barcelona, Catalonia, Spain. **Sue Shapses** was invited to the NASA Bone Summit II panel – To determine guidelines for the prevention of bone loss during long space missions, Univ Space Research Association, Houston, TX, November, 2013 “Vitamin D is not so simple.” (Debate format – Pro/Con). Am. College of Nutrition. San Antonio, TX, Oct. 15-18, 2014. She also delivered the address “Changes in Serum 25(OH)D Concentrations with Amount and Nature of Intake” in Vitamin D: Moving toward Evidence-Based Decision making in Primary Care. NIH/ODS. Bethesda, MD, Dec 2–3, 2014.

From Yale University

Susan Mayne has accepted the position of Center Director for The Center for Food Safety and Applied Nutrition (CFSAN) at the Food and Drug Administration (FDA). The Center she is now leading is responsible for promoting and protecting the public’s health by ensuring that the nation’s food supply is safe, sanitary, wholesome, and honestly labeled, and that cosmetic products are safe and properly labeled. The center regulates \$417 billion worth of domestic food, \$49 billion worth of imported foods, and over \$60 billion worth of cosmetics sold across state lines, and is supported by a staff of over 800 employees, with a budget of nearly \$300 million, over one-third of which supports research. It is a scientific, regulatory, and educational cornerstone of the U.S. food and nutrition system, working to reduce chronic disease and obesity. In today’s global marketplace, it has an important international role as well, routinely engaging foreign governments. Drawing on her scientific background in nutrition, toxicology, epidemiology and public health, and nutrition policy, Susan will be working to continue

to elevate the Center's work across many diverse areas ranging from the prevention of food borne illness to food labeling/health claims on foods.

Rafael Pérez-Escamilla spoke about the 'Past, Present, and Future of the Dietary Guidelines for Americans' at the Connecticut Academy of Dietetics Annual Fall Meeting, CoCo Key Water Resort Hotel and Convention Center, Waterbury, CT, November 14. He delivered the talk 'Impact of Food Insecurity on the Health and Wellbeing of Young Children and the keynote lecture 'Early Life Nutrition Disparities: How, Why and When does the Problems Start?' at the XIII National Breastfeeding Conference & III National Healthy Complementary Feeding Conference. Manaus, Amazonas, Brazil, November 26. He spoke about 'Evidence on the Use of Findings from Food (in)security Scales to Improve Public Policy Implementation' at the workshop 'Monitoring of Food and Nutrition Security Policies in Latin America and the Caribbean. Regional Office of the UN Food and Agriculture Organization (FAO), Bogotá, Colombia, December 5.

From the USDA-ARS Beltsville Human Nutrition Research Center

Naomi K. Fukagawa, MD PhD has accepted the position of Director of the USDA-ARS Beltsville Human Nutrition Research Center, effective April 5, 2015. Dr. Fukagawa is currently a tenured Professor of Medicine and Acting Director, Gerontology Unit, Department of Medicine, University of Vermont in Burlington, Vermont. Haique Huang's proposal titled "*Cross-Kingdom Regulation between Dietary Small RNAs and Human Gut Microbiome, and its Influence on Human Health*" has been rated as the top proposal by the review panel. Dr. Huang was awarded the 2014 John A. Milner Fellowship. The John A. Milner Fellowship was created to provide opportunities for early-career nutrition scientists to strengthen their skills through two years of postdoctoral research.

From Institute of Human Nutrition, Columbia University Medical Center

Jess Fanzo, PhD, was part of the Secretariat Writing Team for the November 2014 released Global Nutrition Report published by the International Food Policy Research Institute (IFPRI). The report provides a comprehensive narrative and analysis on the state of the world's nutrition. *Global Nutrition Report 2014: Actions and Accountability to Accelerate the World's Progress on Nutrition*: <http://globalnutritionreport.org>

Jeri Nieves, PhD, edited the recently published book, *Nutrition and Bone Health*, Holick, Michael and Nieves, Jeri W (Eds), 2nd Edition, 2015, Humana Press.

Submitted by Shelley Weinstock
sw2666@columbia.edu

Rocky Mountains/Great Plains

USDA/ARS Children's Nutrition Research Center in Houston

Teresa A. Davis was recently elected Director-at-Large and Member of the Board of Directors of the American Society of Animal Science (ASAS). Dr. Davis gave an invited lecture on "Leucine: A Potent Nutrient Signal for Protein Synthesis in Neonates" at the Joint Annual Meeting of ASAS, American Dairy Science Association, and the Canadian Society of Animal Science in Kansas City, MO in July. She also spoke in December at the Protein Turnover Workshop on "Leucine and the Regulation of Muscle Growth by mTOR" at UT Health Science Center in Houston. **Dr. Davis** presented an ASAS sponsored briefing on "The Importance of Animal Protein in Our Diets" in the Longworth Office Building, U.S. House of Representatives in Washington, DC in December.

The Department of Food Science and Human Nutrition at Colorado State University

Drs. Susan Baker, Garry Auld, and Leslie Cunningham-Sabo, along with other collaborators in the western region, received an award from the USDA to establish a Regional Center of Excellence in Nutrition Education and Obesity Prevention. **Dr. Laura Bellows** received funding from the USDA to support a grant entitled "Bridging home and preschool environments to promote healthy eating and activity behaviors and prevent obesity in early childhood." Dr. Michelle Foster received the College of Health and Human Sciences Tenure-Track Scholarly Excellence Award. **James Peth**, a graduate student in the department, received an award for Technical Innovation in Public Health. The 36th Annual Lillian Fountain Smith Conference for Nutrition Educators will be held on June 4-5, 2015 at the Hilton Hotel in Fort Collins, Colorado.

The Department of Nutrition and Exercise Physiology at the University of Missouri, Columbia

Elizabeth Parks presented a talk entitled, "Fatty acid metabolism in obesity and fatty liver," at the Keystone Symposia on Systems Biology in Lipid Metabolism on February 11 in Breckenridge, CO. Jaume Padilla was named the 2015 recipient of the New Investigator Award from the Environmental and Exercise Physiology (EEP) Section of the American Physiological Society. He was also recently recognized as the winner of the first *Experimental Physiology* Inaugural Review prize. His review article will be published at the time of the international meeting in July and he will travel to Cardiff, Wales, to receive the award.

The Department of Nutrition and Health Sciences at the University of Nebraska-Lincoln

The Nebraska Center for Obesity Prevention through Nutrient Signaling and the Nebraska Gateway to Nutrigenomics held a March retreat focused on nutrition and microRNAs in March. **Drs. Janos Zemleni** and **Juan Cui** hosted the event, which featured presentations by Drs. Kai Wang (Institute for Systems Biology), Kenneth

Witwer (Johns Hopkins University), and Beiyang Zhou (Texas A&M University). The Center and Gateway also sponsored presentations by Drs. Dustin Yates (University of Nebraska-Lincoln) and Jairam Vanamala (Penn State). Dr. Lisa Franzen-Castle was recommended for tenure and promotion to Associate Professor. **Dr. Janos Zempleni** delivered a presentation on egg-borne microRNAs at the annual meeting of the International Society for Extracellular Vesicles in Washington, DC.

The Department of Nutrition and Food Science at Texas A&M University

The Department of Nutrition & Food Science seminar series included presentations by: Dr. Floyd Chilton from Wake Forest University Medical Center; Dr. Xi Ma from China Agricultural University; Dr. Jun-yuan Ji from the Texas A&M Health Science Center; Dr. Nina Pena-Purcell from the Texas A&M Agri-Life Extension Service; Dr. Haiyan Xu from Brown University Medical School; Dr. Peter Murano from Texas A&M University; Dr. James Nelson from the University of Texas Health Science Center/San Antonio; Dr. Mahua Choudhury from the Texas A&M Health Science Center; Dr. Camilia Martin from Beth Israel Deaconess Medical Center and Dr. Robert Waterland from Baylor College of Medicine.

Dr. Nancy Turner presented an invited talk entitled “Dietary components that support intestinal and systemic health” to the Intercollegiate Faculty of Toxicology at Texas A&M University on November 24. She gave another presentation entitled “Improving colon and systemic health through dietary bioactives that target colon microbiota” during the Texas A&M Nutrition Obesity Research Symposium on October 31. On January 15, Nancy gave an invited presentation entitled “Radiation-induced apoptosis avoidance and colon tumorigenesis: Epigenetic regulation in adult stem cells” at the NASA Human Research Program Investigator’s Workshop. A doctoral student in her laboratory, Derek Seidel, received a 3rd place award for his poster entitled “A polyphenol-rich sumac sorghum cereal alters colon microbiota and plasma metabolites in human subjects” at the NASA meeting.

Submitted by Elizabeth Parks
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North

From Purdue University

Connie Weaver was appointed to the FDA Science Advisory Board and also to the Office of Women’s Health Research.

For the Interdepartmental Nutrition Program (INP) Seminars for fall 2014, invited speakers were: Rafael de Cabo of the National Institute on Aging Senior, Laboratory of Experimental Gerontology – “Dietary Interventions for Healthy Aging;” Margarita Teran-Garcia, Department of Food Sciences, University of Illinois – “Genes and Environment: Protection or Risk for Childhood Obesity;” Juan Andrade, Department of Food Science and

Human Nutrition, University of Illinois – “Technologies for Improvement of Nutrition in Low-Income Countries;” Susanne Talcott, Department of Nutrition and Food Science, Texas A&M – “Mango Polyphenolics-Absorption and Prevention of Chronic Disease;” Robert Parker, College of Human Ecology, Cornell University – “Cytochrome P450s in Vitamin E Metabolism Status;” Thomas Gettys, Pennington Biomedical Research Center, Louisiana State University – “Mechanisms Linking Sensing of Dietary Methionine to Tissue-Specific Remodeling of Metabolism;” Mary Jane de Souza, Department of Kinesiology and Physiology, Pennsylvania State University – “Is Bone Loss Reversible Following Prolonged Energy Deficiency?;” Sharin Kirkpatrick, School of Public Health and Health Systems, University of Waterloo – “Advances in Dietary Assessment: Controversies, Methods and Applications;” Joe Prohaska, Department of Biomedical Sciences, University of Minnesota Medical School – “Impact of Neonatal Copper Limitation on Brain Biochemistry;” Dan Sellen, Nutritional Sciences and Public Health, Dalla Lana School of Public Health – “New Tools to Support Ancient Needs: Health Innovations and Cell Phone Support for Infant Feeding.”

From University of Illinois at Urbana

Ryan Dilger received the 2015 North America International Life Sciences Institute Future Leader Award.

Kelly Swanson presented an invited presentation, “Sustainability of Pet Foods” on January 27th, 2015 at the 2015 American Feed Industry Association (AFIA) Pet Food Conference in Atlanta, GA.

The Division welcomed four new faculty into membership in December: Brent McBride, PhD, Director, UIUC Child Development Laboratory, Department of Human and Community Development; Hope Michelson, PhD, Department of Agricultural and Consumer Economics; Carl Sather, MD, PhD, Departments of Internal Medicine and Pediatrics; and Andrew Steelman, PhD, Department of Animal Sciences.

From Iowa State University

Dr. Auriel Willette of the University of Wisconsin joined the faculty in the Department of Food Science and Human Nutrition in January of 2015 as an assistant professor. His research expertise is in brain response to dietary and hormonal influences.

From Ohio University

In January 2015, **Darlene Berryman** joined the editorial board of *Endocrinology*.

From the University of Minnesota

Mindy Kurzer gave six invited lectures in Karachi, Lahore and Islamabad, Pakistan on “The Role of Soy in Improving Human Health,” for academia, private sector, and government officials.

Marilyn S. Nanney gave the invited keynote lecture, "Sharing Our Research Findings. A Deliberate Practice," at the University of Minnesota Medical School's Program in Health Disparities Research Annual Awards Dinner in St. Paul, MN on November 13, 2014. Marilyn S. Nanney and Libby Stegger gave a talk entitled "Local Strategies to Address Hunger through School Breakfast," at the Cancer & Health Equity Conference in Minneapolis, MN on November 5, 2014.

From Ohio State University

Bill Weiss has been appointed to co-chair the Nutrient Requirements of Dairy Cattle committee National Research Council's Nutrient Requirements of Dairy Cattle. Jeff Firkins also has been appointed to serve on this committee.

Carolyn Gunther was elected to serve on the editorial board of the Journal of Nutrition Education and Behavior for a 2 year term.

Tonya Orchard was selected as Ohio's 2015 recipient of the Research Dietitian Award by the Ohio Academy of Nutrition and Dietetics. She will be recognized during the 2015 OAND Annual Conference, May 14-15, 2015 at the Roberts Center in Wilmington, Ohio.

From Emeritus Members

Ray Shamberger, emeritus of King James Laboratory and Cleveland State University, was added to Who's Who in America this year for epidemiological work with childhood diseases.

Submitted by Darlene Berryman
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Southeast

From Pennington Biomedical Research Center

Dr. Steven Heymsfield gave a keynote lecture at the Royal Society of Medicine in London on evaluation of skeletal muscle mass in sarcopenia.

From University of Georgia

Alumni, friends, and faculty are receiving awards from the College of Family and Consumer Sciences Alumni Association: Josephine Martin, our "First Lady of School Nutrition," Honor Hall of Recognition; **Barbara Grossman**, UGA, Distinguished Alumni Award; **Emily Tomayko**, University of Wisconsin, Pacesetter Award; and **Clifton A. Baile**, UGA, FACS Appreciation Award, presented posthumously.

The spring 2015 seminar series includes: **Dorothy Hausman**, UGA, "Folate Requirements in Women of Childbearing Age: Impact of Obesity and Pregnancy," Kristen Davison, Harvard University, "What about Dads? Engaging Fathers in Childhood Obesity Prevention," **Heidi Blanck**, CDC, "CDC's Support of Population-level Strategies

to Support Healthy Childhood and Reduce Childhood Obesity," Travis Smith, UGA, "The Impact of School Food Programs on the Distribution of Dietary Quality," Jeannette Betancourt, Sesame Workshop, "Impacting Young Children's Health and Well-Being the Sesame Street Way," Gretha Boersma, Johns Hopkins University, "Stress Coping Style and Susceptibility to Metabolic Disorders," Barbara Rolls, Penn State University, "Control of Food Intake and Food Selectin," **Art Grider**, UGA, "Zinc Status Affects Plasma and Cellular MicroRNA Levels," **Anna Thalacker-Mercer**, Cornell University, "Skeletal Aging from Phenotype to Metabolite," Paige Berger, UGA, "Associations of Adenovirus 36 Infection, Bone, and Inflammatory-Related Markers in Children," and Ian Paul, Penn State University, "Preventative Interventions to Newborns and Mothers."

Submitted by Debbie Kipp
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Join Us at an International Forum

For the second year, this year's Scientific Sessions will host International Forums. These sessions provide an opportunity for other nutrition societies to showcase research and opportunities in their countries.

Korea

Organized and sponsored by the Korean Nutrition Society
Sunday, March 29, 3:00 – 5:00 PM
Room 151 AB

Brazil

Organized and sponsored by the International Colleges for the Advancement of Nutrology (ICAN)
Monday, 10:30 – 5:00 PM
Room 151 AB

China: Challenges and Opportunities in Health and Nutrition

Organized and sponsored by the China Interest Group (CIG), American Society for Nutrition (ASN), Chinese Nutrition Society (CNS), and North American Chinese Society for Nutrition (NACSN)
Tuesday, 8:00 – 10:00 AM
Room 151 AB

Taiwan

Organized and sponsored by the Nutrition Society of Taiwan
Tuesday, 12:45 – 2:00 PM
Room 151 AB

Sponsored Satellite Programs

Sponsored Satellite Programs provide an opportunity for external groups – industry, trade organizations, government, other scientific societies, etc. – to share and discuss research findings with the nutrition science community in conjunction with American Society for Nutrition scientific meetings. **Sponsored Satellite Programs** are not considered part of the official ASN program, and ASN does not endorse the content presented or their proceedings, publications, etc. Proposals for **Sponsored Satellite Programs** are peer-reviewed by ASN's Scientific Program Committee. Continuing professional education credits are provided for dietitians. Attendance is limited and pre-registration is strongly encouraged. Register at <http://scientificsessions.nutrition.org/satellites/>.

Friday, March 27, 2015

Whole-Milk Dairy Foods in Nutrition and Health: An Evaluation of the Current State of the Science

Organized and sponsored by the National Dairy Council
8:30 AM – 12:00 PM

Renaissance – Pacific Grand Ballroom E

- **Introduction.** Mario Kratz, PhD, Fred Hutchinson Cancer Research Center
- **Current dietary fat recommendations and the bioactive fatty acids of milkfat.** J. Thomas Brenna, PhD, Cornell University
- **Clinical evidence for saturated fat.** Moises Torres-Gonzalez, PhD, National Dairy Council
- **Associations between milkfat and metabolic outcomes: Epidemiological evidence.** Dariush Mozaffarian, MD, DrPH, Tufts University
- **Moderated panel discussion.** Mario Kratz, PhD, Fred Hutchinson Cancer Research Center

Science and Policy: Adopting a Fruitful Vegetable Encounter for Our Children

Organized and sponsored by the Alliance for Potato Research and Education

1:00 – 5:00 PM

Renaissance – Pacific Grand Ballroom EFG

- **A historical overview of the science of transitional feeding recommendations for infants and young children.** Ronald E. Kleinman, MD, Massachusetts General Hospital
- **A historical overview of policy for government feeding programs targeting low-income families.** Edward M. Cooney, JD, Congressional Hunger Center
- **Vegetable consumption of children ages three to five years: Developmental and maternal influences.** Susan L. Johnson, PhD, University of Colorado Denver
- **Nutrient intakes among infants and children from one to three years.** Maureen L. Storey, PhD, Alliance for Potato Research & Education

- **The nutritional tradeoff of nutrients contributed by vegetables, including potatoes in the diet.** Theresa A. Nicklas, DrPH, MPH, Baylor College of Medicine
- **Effects of carbohydrate sources in meals on satiety and food intake response in lean healthy children.** G. Harvey Anderson, PhD, University of Toronto
- **Status of the science: Where do we go from here?** Jennifer Orlet Fisher, PhD, Temple University School of Medicine
- **Status of science-based policy for children: Where are the research gaps?** Ronald E. Kleinman, MD and Theresa A. Nicklas, DrPH, MPH

Neural – Physiologic Mechanisms Regulating Sodium Appetite

Organized and sponsored by the Grocery Manufacturers Association

1:00 – 5:00 PM

Renaissance – Pacific Grand Ballroom EFG

- **Background: Diet, blood pressure, mortality.** Suzanne Oparil, MD, University of Alabama
- **Interface of sodium homeostasis with neural control of sodium intake.** Fred C. Luft, MD, Vanderbilt University and Humboldt University
- **Neural regulation of sodium appetite.** Joel C. Geerling, MD, Beth Israel/Deaconess Medical Center
- **Primacy of neural control of body fluid homeostasis.** Kim Johnson, University of Iowa
- **Neural response to fluctuations in body sodium levels – Potential impact on CVD risk.** Eric Krause, PhD, University of Florida
- **Integrating complex biological evidence in setting DRI's and guidelines.** Rob Russell, Tufts University
- **Summary.** David A. McCarron, MD, University of California, Davis

Sponsored Satellite Programs, continued

Saturday, March 28, 2015

Sweeteners and Health: Current Understandings, Recent Research Findings and Directions for Future Research

Organized and sponsored by the Rippe Lifestyle Institute
6:30 – 8:00 AM

Boston Convention & Exhibition Center – Room 153 AB

- **The relationship of sugar consumption to obesity and diabetes: Results of recent systematic reviews and meta analyses.** John L. Sievenpiper, MD, PhD, St. Michael's Hospital
- **Relationship between sugar consumption and cardiovascular risk factors: Results of recent randomized controlled trials.** James M. Rippe, MD, Rippe Lifestyle Institute
- **The relationship between non-nutritive sweeteners and chronic disease: Current understandings.** John D. Fernstrom, PhD, University of Pittsburgh School of Medicine

Body Water Regulation: Vasopressin as New Predictor of Disease Risk?

Organized and sponsored by Danone Nutricia Research
6:30 – 8:00 AM

Boston Convention & Exhibition Center – Room 156 C

- **Water and kidney physiology and pathology.** Nadine Bouby, PhD, Centre de Recherche des Cordeliers, INSERM
- **Increased water intake in chronic kidney disease: The final frontier.** William Clark, MD, FRCPC, FACP, FASN, FCAHS, University of Western Ontario
- **Vasopressin, from regulator to disease predictor for diabetes and cardiometabolic risk.** Olle Melander, MD, PhD, Lund University
- **Vasopressin and Fluid intake: connecting the dots for future research.** Isabelle Guelinckx, PhD DanoneNutricia Research

Current Perspective on Protein Quality and Practical Implications for Policy

Organized and sponsored by DuPont Nutrition and Health

12:45 PM – 2:45 PM

Boston Convention & Exhibition Center – Room 153 AB

- **Public health implications of dietary protein.** Ricardo Uauy, MD, PhD, London School of Hygiene & Tropical Medicine
- **Methods for determining protein quality.** Anura V. Kurpad, PhD, St. John's Research Institute
- **Transition from animal models to human needs.** Daniel Tomé, AgroParisTech Joint Research Unit for Nutritional Physiology and Feeding Behaviour

- **Taking protein quality methodology into practice: Perspective of food industry.** Phil Kerr, DuPont Nutrition and Health

3rd Global Summit on the Health Effects of Yogurt: Yogurt Consumption and Weight Management

Organized and sponsored by the Danone Institute International and ASN

12:45 – 2:45 PM

Boston Convention & Exhibition Center – Room 153 AB

- **Welcome and introductions.** Sharon M. Donovan, PhD, RD, University of Illinois at Urbana-Champaign and Raanan Shamir, MD
- **Yogurt consumption and weight in the scientific literature: A protocol driven approach.** Jacqui Eales, York Health Economics Consortium, University of York
- **Yogurt and weight: New insights on the evidence.** Richard L. Atkinson, MD, Virginia Commonwealth University
- **Yogurt and weight: Potential mechanisms.** Angelo Tremblay, PhD, Laval University

Sunday, March 29, 2015

Oats, More Than Just a Whole Grain

Organized and sponsored by PepsiCo Global R&D Nutrition
6:30 – 8:00 AM

Renaissance – Pacific Grand Ballroom E

- **Presenting overview of recent research summarized in British Journal of Nutrition (Oct. 2014 Supplement).** Roger A. Clemens, DrPh, USC School of Pharmacy
- **Reviewing the evidence on cardiovascular and gastro-intestinal health.** Penny M. Kris-Etherton, PhD, RD, Pennsylvania State University
- **Blood glycemic response as a result of oats consumption and the role of β -glucan.** Thomas M. Wolever, PhD, University of Toronto

Running on Empty – Is There a Metabolic or Cognitive Benefit to the Morning Meal?

Organized and sponsored by the Kellogg Company
6:30 – 8:00 AM

Renaissance – Pacific Grand Ballroom ABCD

- **Impact of breakfast on weight management and energy metabolism.** Heather Leidy, PhD, University of Missouri
- **Breakfast and metabolic wellness/homeostasis.** Kevin C. Maki, PhD, Midwest Center for Metabolic and Cardiovascular Research
- **Breaking the fast: The impact of breakfast on cognition and psychological well being.** Mary Beth Spitznagel, PhD, Kent State University

Sponsored Satellite Programs, continued

Monday, March 30, 2015

A Healthy Approach to Dietary Fat Consumption: Understanding the Science and Taking Action to Clear Up Consumer Confusion

Organized and sponsored by the Hass Avocado Board
6:30 – 8:00 AM

Renaissance – Pacific Grand Ballroom D

- **Population-based associations between dietary fat intakes and health outcomes.** Frank Hu, MD, PhD, Harvard University
- **The benefits of unsaturated fats for disease reduction and health promotion.** Penny M. Kris-Etherton, PhD, RD, Pennsylvania State University
- **Consumer confusion and empowering researchers to work with media.** Kathleen Zelman, MPH, RD, LD, WebMD

Breakfast Bioactives

Organized and sponsored by PepsiCo, Inc.
6:30 – 8:00 AM

Renaissance – Pacific Grand Ballroom E

- **Beginning with bioactives.** Johanna T. Dwyer, DSc, RD, Tufts University School of Medicine
- **Oats, more than just a fiber: The role of unique bioactive avenanthramides.** Shengmin Sang, PhD, North Carolina A&T State University
- **Fruit juice bioactives: Content and function.** Jeffrey B. Blumberg, PhD, FASN, FACN, CNS-S, Tufts University

Tuesday, March 31, 2015

Pairing Nuts and Dried Fruit for Cardiometabolic Health

Organized and sponsored by the Sun-Maid Growers of California & American Pistachio Growers
6:30 – 8:00 AM

Boston Convention & Exhibition Center – Room 52 A

- **Tree nuts and dried fruits: Their contribution to US nutrient intake and dietary quality.** Victor L. Fulgoni, III, Nutrition Impact LLC
- **Beneficial effects of pistachio intake, insulin resistance and metabolic risk factors.** Monica Bullo, PhD, Rovira i Virgili University
- **Raisin intake by humans: Effects on glycemia, insulinemia and metabolic risk factors.** Cyril W.C. Kendall, PhD, University of Toronto

Smart Snacking: When Science Meets Nutrition

Organized and sponsored by PepsiCo, Inc.
6:30 – 8:00 AM

Renaissance – Atlantic Ballroom 123

- **The state of snacking: Insights into behaviors, trends and opportunities.** Sally Lyons Wyatt, IRI

- **Whole grains and human health: From research to food practice.** Joanne L. Slavin, PhD, University of Minnesota
- **Smart snacking: Latest research and a look into the future.** Richard D. Mattes, MPH, PhD, RD, Purdue University

Wednesday, April 1, 2015

National Food and Nutrition Policy: Balancing the Role of Research: Nutrition Science and Public Health

Organized and sponsored by the Corn Refiners Association

6:30 – 8:00 AM

Boston Convention & Exhibition Center – Room 151 AB

- **The role of scientific research in food and nutrition policy.** Roger A. Clemens, DrPH, CFS, CNS, FACN, FIFT, FIAFST, USC School of Pharmacy
- **The widespread effects of food and nutrition policy on public health.** Joanne L. Slavin, PhD, RD, University of Minnesota
- **The importance of consistent, systematic evaluation processes in policy making.** Connie M. Weaver, PhD, Purdue University

Phenotypic Flexibility

Organized and sponsored by Nutritech, a European Commission-funded Project

9:00 AM – 12:30 PM

Boston Convention & Exhibition Center – Room 151 AB

- **Mechanistic insights.** Ben van Ommen, PhD, TNO Quality of Life
- **The beauty of challenge tests.** Professor Hannelore Daniel, Technical University of Munich
- **Influence of genetics in phenotypic flexibility.** Jose Ordovas, PhD, IMDEA Food Institute
- **From phenotypic flexibility to the next generation of health claims: Research with Industry.** Suzan Wopereis, PhD, TNO Quality of Life
- **NutriTech results: Contribution to assessing food intake.** Lorraine Brennan, PhD, University College Dublin
- **NutriTech results: Intervention study – Overview.** Gary Frost, PhD, Imperial College London

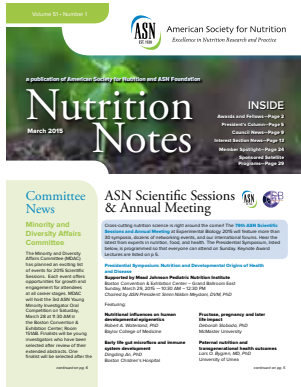


American Society for Nutrition

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Volume 51, Number 1

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Boston Convention and Exhibition Center –
Room 155

Hours: Saturday-Tuesday
7:30 AM – 5:30 PM

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Boston Convention and Exhibition Center –
Booth #1053

Hours: Sunday-Tuesday
9:00 AM – 4:00 PM

Nutrition Poster Viewing

Boston Convention and Exhibition Center –
Across from Booth #1053

Hours: Sunday-Tuesday
12:45 – 2:45 PM