

Experimental Biology 2014 Calendar of Events

Featuring Office of Dietary Supplements
(ODS) Staff and ODS-Supported
Researchers, Projects, and Activities



Friday, April 25, 2014

Sponsored Session: Deciphering the Evidence Behind Whole Food Nutrition and Disease Risk Reduction

8:30 AM–12:00 PM. San Diego Hilton Bayfront, Aqua Salon EF

Scientific Advances Supporting Dietary Recommendations

JT Dwyer, Jean Mayer U.S. Department of Agriculture (USDA) Human Nutrition Research Center on Aging and Tufts University School of Medicine

Saturday, April 26, 2014

Symposium 31. Fortification and Health: Opportunities and Challenges

8:00 AM–12:30 PM. San Diego Convention Center, Ballroom 20 D

Chairs: *K Wiemer*, General Mills, MN and *JT Dwyer*, ODS/National Institutes of Health (NIH), Bethesda, MD

8:35 Honoring John Milner

D Allison, University of Alabama at Birmingham, AL

9:00 U.S. experiences in food fortification

C Taylor, ODS/NIH, Bethesda, MD

10:00 The impact of fortification in the U.S. diet: A case study in children

RL Bailey, ODS/NIH, Bethesda, MD

12:00 Panel: Moving forward responsibly

JT Dwyer, ODS/NIH, Bethesda, MD, Tufts Medical Center, Boston, MA

Symposium 45. Energy Drinks: Current Knowledge and Critical Research Gaps

3:00 PM–5:00 PM. San Diego Convention Center, Ballroom 20 D

Sponsored by the ODS/NIH

Chairs: *BC Sorkin* and *PM Coates*, ODS/NIH, Bethesda, MD

3:00 Caffeine intake in U.S. children and adolescents

N Ahluwalia, National Center for Health Statistics/Centers for Disease Control and Prevention (NCHS/CDC), Hyattsville, MD

3:25 Disparities in energy product use and health outcomes: Potential mediators

M Grandner, University of Pennsylvania, Philadelphia, PA

3:50 Physiological, psychological, and behavioral effects of caffeine in children and adolescents

JL Temple, University of Buffalo, State University of New York (SUNY), Buffalo, NY

4:15 Energy drinks mixed with alcohol: What are the risks?

C Marczynski, Northern Kentucky University, Highland Heights, KY

Awards Competition 34. The Postdoctoral Research Award Competition

10:00 AM–12:00 PM. San Diego Convention Center, 29AB

11:30 Dietary flavonoid intake and breast cancer risk by hormone receptor status among postmenopausal women in a prospective U.S. cohort

Y Wang¹, SM Gapstur¹, MM Gaudet¹, JJ Peterson², JT Dwyer³, and ML McCullough.¹

¹Epidemiology, American Cancer Society, Atlanta, GA; ²Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA; ³School of Medicine and Jean Mayer USDA Human Nutrition Center on Aging, Tufts University, Boston, MA

Awards Competition 44. Graduate Student Research Award Competition

2:30 PM–5:30 PM. San Diego Convention Center, 29AB

Chair: C Davis, ODS/NIH, Bethesda, MD

Sunday, April 27, 2014

Visit the ODS booth **#416** today from 9:00 a.m. to 4:00 p.m.
to learn about ODS programs and resources.

Symposium 115. Not Everything That Counts Can Be Counted and Not Everything That Can Be Counted Counts: How Should We Collect Dietary Data for Research?

8:00 AM–10:00 AM. San Diego Convention Center, 31 ABC

Chair: RL Bailey ODS/NIH, Bethesda, MD

9:00 Importance of dietary data in setting national policy

E Yetley, ODS/NIH, Bethesda

Poster 634. Sports Nutrition: Dietary Supplements and Human Performance

7:30 AM–6:00 PM. San Diego Convention Center, Exhibit Halls A-D

12:45 (C203/634.1) When a dietary supplement product name says “energy,” what’s in the bottle?

LG Saldanha¹, JT. Dwyer¹, RA Bailen¹, KA Andrews², RL Bailey¹, JM Betz¹, VL Burt³, HF Chang⁴, RB Costello¹, NJ Emenaker⁵, JJ Gahche³, JM Harnly², CJ Hardy⁶, and PR Pehrsson². ¹ODS/NIH, Bethesda, MD; ²Agricultural Research Service (ARS)/USDA, Beltsville, MD; ³National Health and Nutrition Examination Survey (NHANES)/CDC, Hyattsville, MD; ⁴NLM/NIH, Bethesda, MD; ⁵National Cancer Institute (NCI)/NIH, Rockville, MD; ⁶Center for Food Safety and Applied Nutrition/Food and Drug Administration (CFSAN/FDA), College Park, MD

Poster 647. Dietary Bioactive Components: Dietary Bioactive Components of Medicinal, Functional, and Whole Foods (Including Probiotics and Fermented Foods)

7:30 AM–6:00 PM. San Diego Convention Center, Exhibit Halls A-D

1:45 (C399/647.40) Innate immune modulatory effects of elderberry polysaccharides in murine macrophage cell line RAW 264.7

C-H Lu, W Lei, and KL Fritsche, University of Missouri-Columbia, Columbia, MO

Poster 691. Aging and Renal Function

7:30 AM–6:00 PM. San Diego Convention Center, Exhibit Halls A-D

12:45 (A313/691.1) Attenuation of age-dependent chronic kidney disease by soy

EA Grunz-Borgmann, LA Nichols, B Valliyodan, MS Kerley, KL Fritsche, and AR Parrish, University of Missouri, Columbia, MO

ODS
Congratulates the
2014 Awardees

AMERICAN SOCIETY FOR NUTRITION (ASN) AWARDS CEREMONY
6:00 PM ♦ San Diego Hilton Bayfront, Indigo DH

Conrad A. Elvehjem Award for Public Service in Nutrition
SP Murphy, University of Hawaii at Mānoa

EV McCollum Award
JB Mason, Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University

Osborne and Mendel Award
PJ Stover, Cornell University

WO Atwater Lectureship
DB Allison, University of Alabama at Birmingham

Class of 2014 Fellows
L Bailey, University of Georgia
A Drewnowski, University of Washington
D Heber, University of California, Los Angeles
V Hubbard, National Institutes of Health
JR Prohaska, University of Minnesota Medical School
K Rasmussen, Cornell University
B Rogers, Tufts University
BO Schneeman, University of California, Davis
DA Schoeller, University of Wisconsin
A Yates, U.S. Department of Agriculture

Monday, April 28, 2014

Visit the ODS booth **#416** today from 9:00 a.m. to 4:00 p.m.
to learn about ODS programs and resources.

- Symposium 266. The Future of Nutrition Research at NIH**
3:00 PM–5:00 PM. San Diego Convention Center, 29AB
Chairs: *S Ohlhorst, ASN, Bethesda, MD* and *C Davis, ODS/NIH, Bethesda, MD*
- 3:00 ASN action to advance the future of nutrition research**
G Jensen, Pennsylvania State University, University Park, PA
- 3:10 Nutrition funding at the National Heart, Lung, and Blood Institute (NHLBI)**
A Ershow, NHLBI/NIH, Bethesda, MD
- 3:25 Nutrition funding at the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)**
K McMurry, NHLBI/NIH, Bethesda, MD
- 3:40 Nutrition funding at NCI**
S Ross, NCI/NIH, Rockville, MD

3:55 **Nutrition funding at ODS**
C Davis, ODS/NIH, Bethesda, MD

Minisymposium 245. Nutrition Epidemiology: Dietary Supplements and Bioactives

8:00 AM–10:00 AM. San Diego Convention Center, Room 32B

Chairs: RL Bailey and PM Coates, ODS, NIH, Bethesda, MD

8:15 **245.2. Comparison of dietary supplement intake reporting between the Automated Self-Administered 24-Hour Recall (ASA24) and Automated Multiple Pass Method (AMPM) recalls**

TE Schap¹, FE Thompson¹, KW Dodd¹, N Potischman¹, SM George¹, L Coleman², JJ Gahche³, G Alexander⁴, M Groesbeck⁴, LK Kahle⁵, LH Kushi⁶, HA Clancy⁶, M Sundaram⁷, SI Kirkpatrick⁸, S Dixit-Joshi⁹, TP Zimmerman⁹, D Douglass⁹, B Mittl⁹, RL Bailey¹⁰, and AF Subar¹. ¹NCI/NIH, Rockville, MD; ²Abbott Nutrition, Columbus, OH; ³NCHS/CDC, Hyattsville, MD; ⁴Henry Ford Health System, Detroit, MI; ⁵Information Management Systems, Silver Spring, MD; ⁶Kaiser Permanente Northern California, Oakland, CA; ⁷Marshfield Clinic Research Foundation, Marshfield, WI; ⁸University of Waterloo, Waterloo, ON; ⁹Westat, Rockville, MD; ¹⁰ODS/NIH, Bethesda, MD

9:00 **245.5. Flavonoid intakes by adults in the United States: What We Eat in America, NHANES 2007–2008**

RS Sebastian¹, JD Goldman¹, C Wilkinson Enns¹, CL Martin¹, LC Steinfeldt¹, JT Dwyer², AJ Moshfegh¹, and JA Milner¹. ¹ARS/USDA, Beltsville, MD; ²ODS, NIH, Bethesda, MD

9:30 **245.7. Botanical initiative for the Dietary Supplement Ingredient Database: Green Tea Pilot Study**

KW Andrews¹, JM Palachuvattil¹, PT Dang¹, PA Gusev¹, S Savarala¹, PR Pehrsson¹, JM Harnly¹, JT Dwyer², JM Betz², LG Saldanha², RL Bailey², RB Costello², JJ Gahche³, CJ Hardy⁴, and NJ Emenaker⁵. ¹ARS/USDA, Beltsville, MD; ²ODS/NIH, Bethesda, MD; ³NCHS/CDC, Hyattsville, MD; ⁴CFSAN/FDA, College Park, MD; ⁵NCI/NIH, Bethesda, MD

Minisymposium 257. Aging: Nutrition, Physical Performance and Bone Health

10:30 AM–12:30 PM. San Diego Convention Center, Room 30D

11:30 **257.5. Homocysteine and bone mineral density in older females in the United States**

RL Bailey¹, A Looker², JJ Gahche², J Mills¹, and C Weaver³. ¹NIH, Bethesda, MD; ²NCHS, Hyattsville, MD; ³Purdue University, West Lafayette, IN

Poster **809. Nutrition Epidemiology: Research with Dietary Supplements and Bioactive Components**

7:30 AM–6:00 PM. San Diego Convention Center, Exhibit Halls A-D

12:45 **(C98/809.1) Dietary supplement research portfolio at the NIH**

ML Garcia-Cazarin¹, EA Wambogo¹, RL Regan^{1,2}, and CD Davis¹. ¹ODS/NIH, Bethesda, MD; ²Division of Nutrition Research Coordination (DNRC)/NIH, Bethesda, MD

12:45 **(C100/809.3) Over-the-counter prenatal multivitamin/mineral products: Chemical analysis for the Dietary Supplement Ingredient Database**

PA Gusev¹, KW Andrews¹, JM Palachuvattil¹, PT Dang¹, JM Roseland¹, JM Holden¹, S Savarala¹, PR Pehrsson¹, JT Dwyer², JM Betz², LG Saldanha², RL Bailey², RB Costello², JJ Gahche³, CJ Hardy⁴, NJ Emenaker⁵, and LW Douglass⁶. ¹ARS/USDA, Beltsville, MD; ²ODS/NIH, Bethesda, MD; ³NCHS/CDC, Hyattsville, MD; ⁴CFSAN/FDA, College Park, MD; ⁵NCI/NIH, Bethesda, MD; ⁶Consulting Statistician, Longmont, CO

- Poster** **830. Dietary Bioactive Components: Antioxidant and Anti-inflammatory Effects of Dietary Bioactive Components**
7:30 AM–6:00 PM. San Diego Convention Center, Exhibit Halls A-D
- 1:45** **(C374/830.12) *Lessertia frutescens* (Sutherlandia) suppresses multiple intracellular signaling pathways associated with inflammatory responses in murine macrophages**
W Lei, J Browning, P Eichen, Y Zong, D Chuang, C-H Lu, W Folk, G Sun, and K Fritsche,
University of Missouri-Columbia, Columbia, MO

Tuesday, April 29, 2014

Visit the ODS booth **#416** today from 9:00 a.m. to 4:00 p.m.
to learn about ODS programs and resources.

- Symposium** **368. Successful Scientist: What's the Winning Formula?**
8:00 AM–10:00 AM. San Diego Convention Center, 29 AB
- 8:00** **Road map to government**
RL Bailey, ODS/NIH, Bethesda, MD
- Symposium** **418. 12-Lipoxygenase and Disease: New Insights into Regulation and Inhibition of a Critical Enzyme**
9:30 AM–12:00 PM. San Diego Convention Center, 2
- 9:30** **12-Lipoxygenase-mediated fatty acid regulation of hemostasis and thrombosis**
MA Holinstat, Thomas Jefferson University
- Symposium** **387. Research Advances and Considerations for Investigating the Human Diet, Nutrient Utilization, and Microbiota Interface Across the Life Course**
3:00 PM–5:00 PM San Diego Convention Center, 31 ABC
Chairs: *C Davis,* ODS/NIH, Bethesda, MD and *J McDermid,* Cornell University, NY
- 3:00** **Introduction**
C Davis, ODS/NIH, Bethesda, MD
- Minisymposium** **370. Nutritional Epidemiology: Nutrition and Chronic Disease Epidemiology**
8:00 AM–10:00 AM. San Diego Convention Center, Room 30D
- 9:45** **370.8. Multivitamin-mineral use and cardiovascular disease mortality in the United States**
RL Bailey¹, T Fakhouri², Y Park¹, JT Dwyer¹, P Thomas¹, K Dodd¹, J Gahche², P Miller³, C Sempos¹, and D Murray¹. ¹NIH, Bethesda, MD; ²NCHS, Hyattsville, MD; ³Exponent, Chicago, IL
- Minisymposium** **369. Nutritional Epidemiology: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets**
8:00 AM–10:00 AM. San Diego Convention Center, Room 32A
Chairs: *N Ahluwalia,* NCHS/CDC, Hyattsville, MD and *P Guenther,* Center for Nutrition Policy and Promotion (CNPP)/USDA, Alexandria, VA
- 9:00** **369.5. Food sources of flavonoids for adults in the United States: What We Eat in America, NHANES 2007–2008**
RS Sebastian¹, JD Goldman¹, C Wilkinson Enns¹, CL Martin¹, LC Steinfeldt¹, JT Dwyer², AJ Moshfegh¹, JA Milner¹. ¹USDA, Beltsville, MD; ²ODS/NIH, Bethesda, MD

**Minisymposium 425. Integrative Systems, Translational and Clinical Pharmacology Division
Young Investigator Awards Platform Session**

3:00PM–5:30 PM San Diego Convention Center, 5A

Chairs: *M Holinstat* and *R Corriden*. Thomas Jefferson University

- 4:50** **425.1. PAR4 mediates an elevated risk for thrombosis in blacks relative to whites**
B Tourdot, K Niisuke, and M Holinstat, Thomas Jefferson University

Wednesday, April 30, 2014

Poster 5512. Vitamins, Minerals, and Bioactives

7:30 AM–5:30 PM. San Diego Convention Center, Sails Pavilion

- 10:00** **(LB420/LB420). Profiling cocoa-derived flavanols and their metabolites in serum, urine, liver, and intestinal contents of pigs fed flavanol-enriched cocoa powder**
S Jang¹, J Sun¹, P Chen¹, A Molokin¹, S Lakshman¹, J Harnly¹, JF Urban¹, G Solano-Aguilar¹, and CD Davis². ¹ARS/USDA, Beltsville, MD; ²ODS/NIH, Bethesda, MD

Poster 3975. Integrative Systems, Translational and Clinical Pharmacology

7:30 AM–5:30 PM. San Diego Convention Center, Sails Pavilion

- 12:30** **(LB602/LB602). PAR4 mediates an elevated risk for thrombosis in blacks relative to whites**
B Tourdot, K Niisuke, and M Holinstat, Thomas Jefferson University

The NIH ODS
provides accurate and up-to-date scientific information
about dietary supplements.

Visit the ODS Website at <http://ods.od.nih.gov>
to sign up for the ODS listserv.

Check it Out ♦ New ODS Resource For Researchers:

The Dietary Supplement Label Database (DSLDD) is a public use database designed to capture label information from virtually all dietary supplement products offered for sale in the United States. Launched in June 2013, the DSLDD currently contains more than 30,000 labels, with 1,000 new labels entered monthly.

DSLDD Website: <http://DSLDD.NLM.NIH.gov/>

