

**Experimental Biology 2012 Calendar of Events:  
Featuring ODS Staff, and ODS Supported  
Researchers, Projects, and Activities**



**Saturday, April 21, 2012**

**Symposium: 25. Helpful or Harmful: Soy, Isoflavones, and Cancer Risk**

**8:00 a.m. – 10:00 p.m. San Diego Convention Center, Rooms 31A/B/C**

Chairs: *B. Lindshield and M. Messina*

**9:20 a.m.** Isoflavones and breast cancer growth and progression: Insights from preclinical models. *W. Helferich*. Univ. of Illinois at Urbana-Champaign

**Minisymposium: 41. Fat-Soluble Vitamins and Chronic Disease**

**3:00 p.m. – 5:00 p.m. San Diego Convention Center, Room 30D**

Chairs: *D. Teegarden and G. Chen*

**3:00 p.m.** (41.1) Vitamin D standardization program. *C.T. Sempos, H.W. Vesper, K. Phinney*. ODS/NIH; CSC, Atlanta; and NIST, Gaithersburg, MD

**38. Nutritional Science Council Graduate Student Research Award Competition**

**2:00 p.m. – 5:00 p.m. San Diego Convention Center, Room 29A/B**

Co-funding provided by the NIH Office of Dietary Supplements.

**Sunday, April 22, 2012**

Visit the ODS booth #1118 today from 9:00 a.m. – 4:00 p.m.  
to learn about ODS programs and resources.

**Symposium: 111. Utilizing a Multilevel Team Approach: Lessons Learned from the Vitamin D DRI-Setting Activity**

**8:00 a.m. – 10:00 a.m. San Diego Convention Center, Rooms 29A/B**

Chairs: *N.E. Moran and V.V. Potter*

**8:00 a.m.** Dietary reference intakes for vitamin D: justification for a review of the 1997 values. *P. Coates*. ODS/NIH

**Minisymposium: 125. Obesity, Inflammation, and Chronic Disease Modulation by Dietary Phytonutrients**

**3:00 p.m. – 5:00 p.m. San Diego Convention Center, Room 32A**

Chairs: *C. Davis and N. Matusheski*

**3:15 p.m.** (125.2) Increased monocyte toll-like receptor activity in patients with metabolic syndrome. *H. Kaur, B. Adams-Huet, S. Devaraj, I. Jialal*. Univ. of California, Davis Med. Ctr.; Univ. of Texas Southwestern Med. Ctr.; and Baylor Col. of Med.

**Poster: 626. Nutrition Interventions for Risk Factor Modification in Chronic Disease**

**7:30 a.m. – 6:00 p.m. San Diego Convention Center, Exhibit Halls A–D**

Manned Time: 12:45 p.m. – 1:45 p.m. (I); 1:45 p.m. – 2:45 p.m. (II)

**1:45 p.m.** (II C21 626.4) Reducing the glycemic load of mixed meals reduces postprandial glycemia and insulinemia over the entire day but does not affect satiety. *A.G. Liu, M.M. Most, M.M. Brashear, W.D. Johnson, W.T. Cefalu, F.L. Greenway*. Pennington Biomed. Res. Ctr., Baton Rouge

**Poster: 645. Epidemiologic Associations between Dietary Bioactive Components and Health**  
**7:30 a.m. – 6:00 p.m. San Diego Convention Center, Exhibit Halls A–D**

Manned Time: 12:45 p.m. – 1:45 p.m. (I); 1:45 p.m. – 2:45 p.m. (II)

1:45 p.m. (II C268 645.2) Development of a flavonoid database for assessing population exposures and its application. *J.K. Ahuja, S. Bhagwat, D. Haytowitz, J. Holden, R. Bailey, J.T. Dwyer, J.A. Milner, A. Moshfegh.* USDA, Beltsville; ODS/NIH; and NCI/NIH

**Poster: 647. Nutrient-Gene Interactions**

**7:30 a.m. – 6:00 p.m. San Diego Convention Center, Exhibit Halls A–D**

Manned Time: 12:45 p.m. – 1:45 p.m. (I); 1:45 p.m. – 2:45 p.m. (II)

12:45 p.m. (I C308 647.11) Botanical oil supplementation alters insulin levels in diabetic/metabolic syndrome subjects in a genotypic-specific manner. *S. Sergeant, T.C. Lee, P. Ivester, H.C. Ainsworth, L.D. Case, F.H. Chilton III.* Wake Forest Sch. of Med.

**ASN Awards Ceremony**

**6:00 p.m. – 7:30 p.m. San Diego Hilton Bayfront, Indigo Ballroom A/E**

**Conrad A. Elvehjem Award for Public Service.** *Linda Meyers*, Senior Board Director, Institute of Medicine of the National Academies.

**Mary Swartz Rose Senior Award.** *Diane Birt*, Distinguished Professor and Chair, Department of Food Science and Human Nutrition, Iowa State University.

**Fellow.** *Stephen Barnes*, Professor, Dept. of Pharmacology and Toxicology, University of Alabama at Birmingham

**Monday, April 23, 2012**

Visit the ODS booth #1118 today from 9:00 a.m. – 4:00 p.m.  
to learn about ODS programs and resources.

**Symposium: 261. Communication Techniques of Effective Speakers**

**3:00 p.m. – 5:00 p.m. San Diego Convention Center, Rooms 31A/B/C**

Chairs: *C.A. Swanson and C. Davis*

Supported by an educational grant from the NIH Office of Dietary Supplements

3:00 p.m. Scientifically speaking: How to prepare an effective talk. *B. Whitener.* IQ Solutions

3:30 p.m. Communicate with more clarity and confidence. *N. Tolbert.* The Communication Ctr. DC

4:00 p.m. The power of stories. *N. Tolbert.* The Communication Ctr. DC

**Minisymposium: 239. Epidemiology and Systems Biology Approaches**

**8:00 a.m. – 10:00 a.m. San Diego Convention Center, Room 32B**

Chairs: *G.K. Harris and Z. Jouni.* Student Chair: *J. Caine*

9:00 a.m. (239.4) Identifying nonvitamin and mineral bioactive ingredients for inclusion in dietary supplement composition databases. *L.G. Saldanha, J.T. Dwyer, J.M. Holden, K.W. Andrews, R.L. Bailey, J.M. Betz, J.J. Gahche, C.J. Hardy, J. Milner, J.M. Roseland.* ODS/NIH; NCI/NIH; USDA, Beltsville; CDC, Hyattsville; and FDA, College Park, MD

**Minisymposium: 253. Selenium II: Selenium and Cancer, Inflammation, and Oxidative Stress**  
**10:30 a.m. – 12:30 p.m. San Diego Convention Center, Room 30D**

Chair: *R.A. Sunde*

- 10:30 a.m. (253.1) Independent downregulation of Sep15 and TR1, but not deficiency in both genes, affects cancer phenotypes of mouse colon carcinoma cells. *P.A. Tsuji, B.A. Carlson, M. Yoo, X. Xu, S. Naranjo-Suarez, C.D. Davis, V.N. Gladyshev, D.L. Hatfield.* Towson Univ., MD; NCI/NIH, Bethesda and Rockville; and Brigham and Women's Hosp., Harvard

**Minisymposium: 256. Applications and Challenges of Public Use Data Sets for Secondary Analysis Nutrition Research**

**10:30 a.m. – 12:30 p.m. San Diego Convention Center, Room 30A**

Chair: *Y. Wang*

- 11:30 a.m. (256.5) Progress in development of dietary supplement composition and label databases for research. *J.T. Dwyer, R. Bailey, L.G. Saldanha, J. Holden, K. Andrews, J. Betz, J. Gahche, C. Hardy, J. Milner, J. Roseland.* ODS/NIH; NCI/NIH; USDA, Beltsville; CDC, Hyattsville; and FDA, Silver Spring, MD
- 11:45 a.m. (256.6) Dietary supplement use in children <18 years in the 2007 National Health Interview Survey. *J.T. Dwyer, R. Bailey, R. Nahin, G. Rogers, C. Sempos, P. Jacques.* ODS/NIH, NCCAM/NIH, and USDA at Tufts Univ.

**Minisymposium: 266. Polyunsaturated Fatty Acids and Health**

**3:00 p.m. – 5:00 p.m. San Diego Convention Center, Room 30C**

Chairs: *K. Claycombe and D. Jump*

- 3:45 p.m. (266.4) Racial differences in plasma omega-3 long chain fatty acid levels in a cohort of African Americans and European Americans with diabetes and metabolic syndrome. *B.A. Wilson, S. Sergeant, H. Ainsworth, R. Mathias, F.H. Chilton III.* Wake Forest Sch. of Med. and Johns Hopkins Univ. Sch. of Med.

**Tuesday, April 24, 2012**

Visit the ODS booth #1118 today from 9:00 a.m. – 3:30 p.m.  
to learn about ODS programs and resources.

**Symposium: 362. Food and Nutrition Board Update: Not At All Quiet on the Labeling Front, and Remarks about Sodium**

**8:00 a.m. – 10:00 a.m. San Diego Convention Center, Rooms 29A/B**

Chairs: *L.D. Meyers and D.M. Bier*

- 8:00 a.m. Welcome and Food and Nutrition Board update. *L.D. Meyers.* IOM  
*C.L. Taylor* served as Study Director and *E. Yetley* as Committee Member on the IOM report titled: *Strategies to Reduce Sodium Intake in the United States.*

**Symposium: 371. The Future of Nutrition Research**

**10:30 a.m. – 12:30 p.m. San Diego Convention Center, Rooms 31A/B/C**

Chairs: *S.M. Hutson and R.M. Russell*

- 10:50 a.m. The future of nutrition research. *R.M. Russell.* ODS/NIH.

**Minisymposium: 365. Micronutrient Bioavailability**

**8:00 a.m. – 10:00 a.m. San Diego Convention Center, Room 30D**

Chairs: *L.G. Saldanha and E. Janle*

- 9:00 a.m. (365.5) Plasma alpha-tocopherol transport studied using deuterium-labeled collard greens. *M.G. Traber, S.W. Leonard, X. Fu, M.A. Grusak, S. Booth*. Oregon State Univ.; USDA at Tufts; USDA, Houston; and Baylor Col. of Med.
- 9:15 a.m. (365.6)  $\alpha$ -tocopherol supplementation reduces  $\gamma$ -tocopherol-dependent scavenging of reactive nitrogen species by decreasing  $\gamma$ -tocopherol. *R. Pei, S.W. Leonard, M.G. Traber, R.S. Bruno*. Univ. of Connecticut and Oregon State Univ.

**Minisymposium: 379. Dietary Supplements as a Population Exposure in Causation, Prevention, and Management of Disease**

**10:30 a.m. – 12:30 p.m. San Diego Convention Center, Room 29D**

Chairs: *R. Bailey and Y. Song*

- 10:30 a.m. (379.1) Making sense of dietary supplement research and a framework for the future. *P.M. Coates, R. Bailey*. ODS/NIH
- 12:00 p.m. (379.7) Release 2 of the U.S. Dietary Supplement Ingredient Database: research protocols and ingredient estimates for children's and adult multivitamins. *K.W. Andrews, J.M. Roseland, J.M. Holden, A.M. Middleton, A.M. Solomon, L. Douglass, J.T. Dwyer, R.L. Bailey, L.G. Saldanha, M.G. Daniel*. USDA, Beltsville; Consulting Statistician, Longmont, CO; and ODS/NIH
- 12:15 p.m. (379.8) Review of select dietary supplement interventions for endothelial dysfunction. *R.B. Costello, C. Lentino, L.G. Saldanha, P. Srinivas, C. Sempos*. ODS/NIH and NHLBI/NIH

**Poster: 1023. Diet and Cancer: Animal Studies**

**7:30 a.m. – 4:00 p.m. San Diego Convention Center, Exhibit Halls A–D**

Manned Time: 12:45 p.m. – 1:45 p.m. (I); 1:45 p.m. – 2:45 p.m. (II)

- 12:45 p.m. (I C208 1023.11) Increased carcinogen-induced colon cancer in ER $\beta$ KO compared to wild-type mice. *R.S. MacDonald, J. Przybyszewski, D.B. Lubahn*. Iowa State Univ. and Univ. of Missouri-Columbia

**Wednesday, April 25, 2012**

**Symposium: 473. Nutritional Prevention of Cognitive Decline**

**8:00 a.m. – 10:00 a.m. San Diego Convention Center, Room 20D**

Chairs: *L. Arab and R. Bailey*

Supported by an educational grant from the NIH Office of Dietary Supplements

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