

Experimental Biology 2013 Calendar of Events

Featuring ODS Staff, and ODS Supported
Researchers, Projects, and Activities



Friday, April 19, 2013

37th National Nutrient Databank Conference

8:30 am – 5:00 pm: Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University

- 8:40 am** **Keynote Address. Food Composition Data: Keeping Pace with Emerging Trends in Research and Database Applications**
J Holden, USDA/ARS Nutrient Data Laboratory (retired)
2013 Award recipient for outstanding lifetime achievement in the area of nutrient databases
- 9:20 am** **Development of a Database of Fortified Foods in WWEIA/NHANES 2007-2008 to Model Nutrient Intakes Under Proposed Revisions to the Daily Values**
MM Murphy, JH Spungen, LM Barraj, RL Bailey, JT Dwyer. Exponent Inc. and ODS/NIH
- 11:20 am** **Dietary Supplement Label Database for Research**
JT Dwyer, KW Andrews, R Bailen, RL Bailey, JM Betz, VL Burt, HF Chang, RB Costello, NJ Emenaker, JJ Gahche, J Goshorn, CJ Hardy, PR Pehrsson, JM Roseland, LG Saldanha. ODS/NIH, ARS/USDA, NCHS/CDC, NLM/NIH, NCI/NIH, and CFSAN/FDA
- 12:00 pm** **Lunch and Poster Viewing** (presenters by posters 1:00 pm – 1:50 pm)
- 3:45 pm** **Identification and Quantification of Food Flavonoids**
JJ Peterson, JT Dwyer, PF Jacques, ML McCullough, J Harnly, L-Ze Lin. Jean Mayer USDA HNRCA at Tufts Univ. and ARS/USDA

Special Session 6: White Vegetables: Addressing the Nutrition Gap

1:00 pm – 5:00 pm: Boston Convention & Exhibition Center, 156 A/B/C

- 1:00 pm** **Introduction**
JT Dwyer. Jean Mayer USDA HNRCA at Tufts Univ.

Saturday, April 20, 2013

Graduate Student Research Award Competition

2:30 pm – 5:00 pm: Room 151AB Boston Convention Center

Chair: *C Davis, ODS/NIH*

Sunday, April 21, 2013

Visit the ODS booth **#1367** today from 9:00 a.m. – 4:00 p.m.
to learn about ODS programs and resources.

Symposium 104: Are Dietary Bioactives Ready for Review for Recommended Intakes?

8:00 am – 10:00 am: Room 157ABC Boston Convention Center

Chairs: *J Erdman*, Univ. of Illinois, Urbana, IL and *D Balentine*, Unilever, NJ

8:45 am Flavonoids as a Case study

JT Dwyer, Jean Mayer USDA HNRCA at Tufts Univ.

Where to Now? A Panel Discussion

Moderator: *RM Russell*, Jean Mayer USDA HNRCA at Tufts Univ.

Minisymposium 106: Epidemiological Research Addressing Diet and Health Outcomes I

8:00 am – 10:00 am: Boston Convention & Exhibition Center, 152

Chairs: *LM Troy* and *A Millen*

8:15 am 106.2: Intakes of Dietary Flavonoid Sub-Classes and Incidence of Type 2 Diabetes

PF Jacques, *A Cassidy*, *G Rogers*, *J B Meigs*, *JT Dwyer*. Jean Mayer USDA HNRCA at Tufts Univ., Norwich Med. Sch., Univ. of East Anglia, U.K., Massachusetts Gen. Hosp., and Tufts Med. Ctr.

Minisymposium 124: Nutrition Science Translation for Policy, Practice and Consumers

3:00 pm – 5:00 pm: Boston Convention & Exhibition Center, 154

Chairs: *R Cheatham* and *D Winham*

4:30 pm 124.7: U.S. Adults and Adherence to the Dietary Guidelines for Americans

LM Troy, *JT Dwyer*, *P. Jacques*. Univ. of Massachusetts Amherst, ODS/NIH, and Jean Mayer USDA HNRCA at Tufts Univ.

Symposium 118: Iodine Insufficiency: A Global Health Problem?

Sponsored by the Office of Dietary Supplements, NIH

3:00 pm – 5:00 pm: Room 157ABC Boston Convention Center

Chairs: *CA Swanson*, ODS/NIH and *EN Pearce*, Boston University School of Medicine, Boston, MA

3:00 pm Introduction

CA Swanson, ODS/NIH

3:10 pm Iodine Status, Maternal Thyroid Function and Infant Development: The Challenges of Study Design

JH Lazarus, Cardiff School of Medicine, University Hospital of Wales, UK

3:30 pm Iodine Supplementation During Pregnancy and its Effect on Maternal, Newborn and Infant Outcomes

MB Zimmermann, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland

3:50 pm Intervention Strategies to Improve Iodine Status of Iodine-Deficient Infants

M Andersson, Swiss Fed. Inst. of Tech., Zürich

4:10 pm Research Needed to Inform Next DRIs for Iodine

P Trumbo, CFSAN/FDA, College Park, MD

Minisymposium 127: Polyunsaturated Fatty Acids and Health

3:00 pm – 5:00 pm: Boston Convention & Exhibition Center, 156 C

Chairs: *DB Jump* and *SR Shaikh*

3:30 pm 127.3: Race, Pregravid BMI and Gestational Weight Gain Determine Placental Fatty Acid Transfer

AR Smither, H A Durham, S Buzhardt, FA Moore, WT Cefalu, CJ Lammi-Keefe.
LSU, Pennington Biomed. Res. Ctr., Woman's Hosp., and LSU Ag. Ctr., Baton Rouge

Poster 622: Epidemiological Research Addressing Diet and Health Outcomes

7:30 am – 6:00 pm: Boston Convention & Exhibition Center, Exhibit Halls A-B

1:45 pm (D105 622.8): Prevalence of Metabolic Syndrome (MetS) and Hyperglycemia in US Adults: NHANES 2003-06 and 2007-10

DL Gee, Central Washington Univ. and RL Bailey, ODS/NIH

Poster 639: Diet and Cancer: Molecular Targets

7:30 am – 6:00 pm: Boston Convention & Exhibition Center, Exhibit Halls A-B

1:45 pm (D392 639.14) 13'-Carboxychromanol, a Long-Chain Metabolite of Delta-Tocopherol, has Potent Anti-Cancer Effects by Interrupting de Novo Sphingolipid Synthesis in Human Cancer Cells

Y Jang, SY Kuah, Q Jiang. Purdue Univ.

**ODS
Congratulates
the 2013
Awardees**

ASN AWARDS CEREMONY

6:00 pm – 7:00 pm • Grand Ballroom CDE, Westin Hotel

Conrad A Elvehjem Award for Public Service

J Milner, Beltsville Human Nutrition Research Center, USDA

Mary Swartz Rose Senior Investigator Award

WG Helferich, Univ. of Illinois

Pfizer Consumer Healthcare Nutritional Sciences Award

MG Traber, Oregon State Univ.

Senior Investigator: Dannon Institute Mentorship Award

DB Allison, Univ. of Alabama-Birmingham

CLASS OF 2013 FELLOWS

PM Coates, Office of Dietary Supplements, NIH

K Brown, Univ. of California, Davis

C Garza, Boston College

R Martorell, Emory Univ.

L Meyers, Food and Nutrition Board, Institute of Medicine

J Milner, Beltsville Human Nutrition Research Center, USDA

AC Ross, Penn State

S Selhub, Jean Mayer USDA HNRCA at Tufts Univ.

A Taylor, Jean Mayer USDA HNRCA at Tufts Univ.

C Woteki, USDA

Monday, April 22, 2013

Visit the ODS booth #1367 today from 9:00 a.m. – 4:00 p.m.
to learn about ODS programs and resources.

Minisymposium 221: Food Environment and Policy

8:00 am – 10:00 am: Boston Convention & Exhibition Center, Room 152

Chairs: S Colby and P Keane

9:30 am 221.7: Modeling the Impact of Revisions to DV Assuming That Current %DV in Fortified Foods Are Maintained

MM Murphy, JH Spungen, LM Barraaj, RL Bailey, JT Dwyer. Exponent Inc., ODS/NIH, and Jean Mayer USDA HNRCA at Tufts Univ.

Minisymposium 230: Dietary Assessment Tools and Applications

10:30 am – 12:30 pm: Boston Convention & Exhibition Center, Room 152

Chairs: J McDermid and RL Bailey

Minisymposium 242: Research with Dietary Supplements and Bioactive Components

3:00 pm – 5:00 pm: Boston Convention & Exhibition Center, Room 152

Chairs: RL Bailey and N Ahluwalia

3:30 pm 242.3: Progress in the Development of Federal Resources to Assess Dietary Supplement (DS) Exposures

JT Dwyer, KW Andrews, RL Bailey, JM Betz, VL Burt, RB Costello, NJ Emenaker, JJ Gahche, CJ Hardy, PR Pehrsson, JM Roseland, LG Saldanha. ODS/NIH, NCI/NIH, ARS/USDA, NCHS/CDC, and CFSAN/FDA

3:45 pm 242.4: Dietary Supplement Use Among Older Adults in the United States, NHANES 2007-2010

JJ Gahche, RL Bailey, VL Burt, JT Dwyer. NCHS/CDC and ODS/NIH

4:00 pm 242.5: Why Children Use Dietary Supplements

RL Bailey, JJ Gahche, PR Thomas, JT Dwyer. ODS/NIH and NCHS/CDC

4:15 pm 242.6: Parent and Child Use of Dietary Supplements Are Associated

BC Sorkin, JT Dwyer, PF Jacques, GT Rogers, C Sempos, RL Bailey. ODS/NIH, Jean Mayer USDA HNRCA and Friedman Sch. of Nutr. Sci. and Policy at Tufts Univ.

4:45 pm 232.8: Chemical Analysis of Omega-3 (n-3) Fatty Acid Supplements for the Dietary Supplement Ingredient Database (DSID)

KW Andrews, JM Roseland, A Middleton, A Solomon, J Palachuvattil, PT Dang, JM Holden, PR Pehrsson, JT Dwyer, RL Bailey, JM Betz, RB Costello, LG Saldanha, CJ Hardy, JJ Gahche, NJ Emenaker, Douglass. ARS/USDA, ODS/NIH, CFSAN/FDA, NCHS/CDC, NCI/NIH, and Longmont, CO

Minisymposium 245: Nutritional Assessment and Status in Older Populations

3:00 pm – 5:00 pm: Boston Convention & Exhibition Center, 153C

Chairs: C Tangney and L Tinker

3:00 pm **245.1: The Association between Diet Quality, BMI and Health-Related Quality of Life in the Geisinger Rural Aging Study**
DJ Ford, GL Jensen, RL Bailey, H Smiciklas-Wright, P Erickson, C Wood, C. Still, D Coffman, TJ Hartman. Penn State, ODS/NIH, Penn State Hershey, and Geisinger Hlth. Syst., Danville, PA

Posters 848: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets
7:30 am – 6:00 pm: Boston Convention & Exhibition Center, Exhibit Halls A-B

12:45 pm **(D161 848.1) Dietary Supplement Label Database (DSLDD) Will Capture Information from Dietary Supplement (DS) Labels**
LG Saldanha, JT Dwyer, RA Bailen, FF Chang, KW Andrews, RL Bailey, JM Betz, VL Burt, RB Costello, NJ Emenaker, JJ Gahche, C J Hardy, PR Pehrsson, JM Roseland. ODS, NLM, NCI/NIH, ARS/USDA, NCHS/CDC, and CFSAN/FDA

12:45 pm **(D169 848.9) Use of Highly Fortified Foods Among US Adults**
RB Costello, JT Dwyer, RL Bailey, S French. ODS/NIH and NMI

Tuesday, April 23, 2013

Visit the ODS booth **#1367** today from 9:00 a.m. – 4:00 p.m.
to learn about ODS programs and resources.

Minisymposium 354: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets

10:30 am – 12:30 pm: Boston Convention & Exhibition Center, Room 152
Chairs: *RL Bailey* and *C Zizza*

11:15 am **354.4: Modeling an MMA-derived Inflection Point for Serum Vitamin B12 (SB12) in the US**
RL Bailey, R Durazo-Arvizu, R Carmel, R Green, CM Pfeiffer, CT Sempos, E.A Yetley. ODS/NIH, Loyola Univ. Stritch Sch. of Med., New York Methodist Hosp. in Brooklyn, Weill Cornell Med. Col., Univ. of California Davis Med. Ctr., and CDC

Minisymposium 366: Nutrition without Borders: Epidemiologic Methods in Examining Health Disparities and Nutrition Outcomes in Diverse Populations

3:00 pm – 5:00 pm: Boston Convention & Exhibition Center, 152
Chairs: *J McDermid* and *LM Troy*

4:30 pm **366.7: Association of Serum 25OHD with Race/Ethnicity and Quantitative Measures of Skin Color in Urban Schoolchildren**
LE Au, SS Harris, JT Dwyer, PF Jacques, JM Satchek. Friedman Sch. of Nutr. Sci. and Policy and Jean Mayer USDA HNRCA at Tufts Univ.

Poster 1064: Education and Teaching in Medical and Other Professional Schools

12:45 pm **(D187 1064.5) Dietary Supplement Education for the Military: An Education Module for Healthcare Providers**
S Attipoe, RB Costello, P Deuster, M Kohlmier. USUHS/DoD, ODS/NIH, Univ. of N. Carolina, Chapel Hill

Poster 1079: Dietary Bioactive Components of Medicinal, Functional and Whole Foods (Including Probiotics and Fermented Foods)

7:30 am – 6:00 am: Boston Convention & Exhibition Center, Exhibit Halls A-B

1:45 pm (D416 1079.48) NIH/ODS Analytical Methods and Reference Materials (AMRM) Program

LG Saldanha, JM Betz, G Cragg, BC Sorkin, PM Coates. ODS/NIH

Wednesday, April 24, 2013

First Global Summit on the Health Effects of Yogurt

8:00 am – 3:30 pm: Boston Convention & Exposition Center, Room 151AB

12:30 pm **Afternoon Sessions**

Moderator: *JT Dwyer*, Tufts Med. Ctr.

Symposium 477: The Pharmacology of Natural Products

9:30 am – 12:00 noon: Boston Convention Center, Room 109A

Chairs: *C Hopp* and *J Williamson*, NCCAM/NIH

11:00 am **Prevention of Estrogen Carcinogenesis by Botanical Dietary Supplements for Women's Health**

J Bolton, UIC Botanical Center, Univ. of Illinois at Chicago, Chicago, IL

Poster 1192: Nutrients and Cardiovascular Health and Disease: Glucose, Fatty Acids and Beyond

7:30 am – 6:00 pm: Boston Convention & Exhibition Center, Exhibit Halls A-B

12:30 pm (W276 1192.16) Differences in the Biosynthesis of Long Chain Omega-3 and Omega-6 Polyunsaturated Fatty Acids between African and European American Patients with Coronary Artery Disease

BA Wilson, P Ivester, S Sergeant, K Murphy, WG Hundley, FH Chilton. Wake Forest Univ. Sch. of Med.

The NIH Office of Dietary Supplements (ODS) provides accurate and up-to-date scientific information about dietary supplements.

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

