MINUTES OF THE NUTRITION COORDINATING COMMITTEE (NCC) MEETING, NATIONAL INSTITUTES OF HEALTH (NIH)

Rockledge 2, Conference Room 9100-9104, Bethesda, MD

April 5, 2007 2:00- 4:00 PM

WELCOME

Dr. Pam Starke-Reed, Deputy Director, Division of Nutrition Research Coordination (DNRC), convened the meeting at 2:02 PM and welcomed participants. Participating via phone were Ms. Tammy Brown IHS; Dr. Paul Cotton, NIH NINR; Dr. Darla Danford, NIH NHLBI; Dr. Shirley Gerrior, USDA CSREES; Dr. James Herrington, NIH FIC; Dr. Molly Kretsch, USDA; Ms. Michele Lawler, HRSA; Dr. Elizabeth Maull, NIH NIEHS; Ms. Holly McPeak, DHHS ODPHP; Dr. Linda Nebeling, NIH NCI; Dr. Paula Trumbo, FDA; Dr. Susan Welsh, USDA CSREES; Ms. Martina Vogel-Taylor, NIH ODP and Dr. Elizabeth Yetley, NIH ODS. The agenda for the meeting is provided as Appendix A, and the list of attendees is provided as Appendix B.

APPROVAL OF MINUTES FROM THE FEBRUARY 1, 2007 NCC MEETING

Minutes from the February 1, 2007 NCC meeting had previously been sent to NCC members via email. Dr. Starke-Reed asked if there were any other corrections to the minutes. There were none. Dr. Paul Coates, Office of Dietary Supplements (ODS), made a motion to approve the minutes, and Dr. John Milner, National Cancer Institute (NCI), seconded the motion. The minutes were thus approved and will be posted on the DNRC website, http://dnrc.nih.gov, along with the minutes from previous NCC Meetings.

REPORTS FROM NCC MEMBERS AND LIASONS:

Ms. Nancy Sebring, Clinical Center (CC), announced the opening of the NIH metabolic clinical research unit. The ribbon cutting ceremony took place on January 25th and the first patient will be seen at the end of April.
The metabolic unit is located on the 5th and 7th floors of the Mark O. Hatfield Clinical Research Center and includes 10 private inpatient rooms, a metabolic kitchen, an exercise room, a Bod Pod and DXA scanner, and 3 metabolic chambers. The unit, which is available to all institutes for obesity research, will open with protocols sponsored by several institutes including NIDDK and NICHD.

Dr. Darla Danford, NHLBI, reported that the new NHLBI Strategic Plan: *Shaping the Future of Research* is now available to the public and can be viewed at the following website: http://apps.nhlbi.nih.gov/strategicplan/

Dr. John Milner, NCI, announced the upcoming release of WCRF/AICR's second expert panel report, *Food, Nutrition and the Prevention of Cancer: a global perspective.* The report will be released in Washington DC on November 1, 2007. More information about the report can be found on the American Institute for Cancer Research's home page: http://www.aicr.org.

Dr. Milner also reminded the NCC that Dr. Nancy Emenaker, NCI, is heading a working group to look at the upper levels of bioactive food components and possible deleterious effects as well as biomarkers to identify vulnerable populations. If there is interest, this group could possibly work with others from the NCC. Please contact Dr. Emenaker with any questions (Nancy.Emenaker@nih.hhs.gov).

Dr. Cindy Davis, NCI, reminded the NCC that the conference entitled, "Vitamin D and Cancer: Current Dilemmas/ Future Needs" will take place on May 7-8, 2007 at the Lipsett Hill Auditorium. The registration for that conference is now full.

Dr. Sharon Ross, NCI, informed the NCC about a symposium that will take place in September, "Diet, Epigenetics, & Cancer Prevention." The symposium is still in the planning stages, so if in anyone would like to provide input as this project moves forward, please contact Dr. Ross. (Sharon.Ross@nih.hhs.gov).

Dr. Pam Starke-Reed, DNRC, announced that in response to her previous e-mail soliciting interest in the development of a working group on nutrigenomics, she received a high level of response. As a result, this effort will be moving forward. More details will be made available at a later date. Contact Dr. Starke-Reed with any questions (starkep@mail.nih.gov).

Dr. Wendy Johnson-Taylor, DNRC, announced that the March Supplement of the Journal of Nutrition Education and Behavior on Diet and Communication is now available. Dr. Johnson-Taylor, Dr. Amy Yaroch (NCI), and Dr. Sue Krebs-Smith (NCI) were the guest editors for the supplement. If would like a copy, please contact Dr. Johnson-Taylor (wendyjt@mail.nih.gov).

ROADMAP INITIATIVES – NUTRITION INTERESTS:

Dr. Paul Coates, ODS, led a discussion of the current efforts under Roadmap 1.5. There are 5 major areas under intensive development by working groups in Roadmap 1.5: Epigenetics, Phenotyping, Inflammation as a Common Mechanism of Disease, Microbiome, and Protein Capture/Proteome Tools. These are all topics that are relevant to nutrition. Several members of the nutrition research community at NIH are represented on 4 of the working groups: Dr. Pam Starke-Reed, DNRC, represents us on Microbiome; Dr. Christine Swanson, ODS, on Phenotyping; Dr. Johanna Dwyer, ODS, on Epigenetics; Dr. Becky Costello, ODS, and Dr. Gilman Grave, NICHD, on Inflammation. Discussion ensued on each of these working groups.

The working groups are now in the process of developing plans that will be reviewed by IC Directors in order to determine Roadmap funding priorities beginning in fiscal years 2008 and 2009.

These plans will receive final review and priority recommendations in late Spring, 2007 by the IC Directors before being forwarded to the NIH Director, who will consult with the Advisory Committee to the Director before selecting the new Roadmap initiatives in Summer/Fall 2007.

Additional information regarding the five Roadmap Emphasis Areas for 2008 can be found on the OPASI website (http://nihroadmap.nih.gov/).

ODS ACTIVITIES UPDATE

Dr. Mary Frances Picciano informed the NCC about the current happenings at ODS:

Seminar

The next Office of Dietary Supplements seminar entitled, "Pre and Pro-biotics: Rationale for Regular Consumption", will be given by Dr. Kelly Tappenden, Associate Professor of Nutrition and Gastrointestinal Physiology in the Department of Food Science and Human Nutrition at the University of Illinois at Urbana-Champaign. The seminar is scheduled on Wednesday, April 18, 2007 at 11:00 am – 12:00 pm in Executive Plaza North (EPN), Room J. Please see Appendix C for a copy of the flyer announcing the seminar.

Dietary Supplements Practicum

The NIH Office of Dietary Supplements will conduct an Intensive Practicum entitled, "Current Issues and Recent Developments in Dietary Supplement Research" on the NIH campus May 21-25. Over the 5 days of the course, approximately 50 professors and doctoral students from nutrition and food science departments across the country will receive a thorough overview and grounding about issues concepts, unknowns, and controversies about dietary supplements and supplement ingredients.

Practicum coordinators Mary Frances Picciano, PhD, and Paul R. Thomas, EdD hope that faculty will take this knowledge back to their institutions to provide more education on supplement issues, and that students and investigators attending the practicum might consider undertaking research on dietary supplements.

See Appendix D for a full agenda for the practicum listing all presentations and speakers.

Vitamin D Initiative Update

In an effort to provide a timely reevaluation of vitamin D research and monitoring activities, ODS has partnered with other federal agencies on subsequent activities that will come to fruition this year. These activities include:

ODS has sponsored an evidence-based review (EBR) through the Evidence-based Practice Center (EPC) Program of the Agency for Healthcare Research

and Quality (AHRQ) entitled, " Vitamin D, Effectiveness and Safety". The EBR addresses the association between specific blood concentrations of 25-hydroxyvitamin D and bone health outcomes as well as the safety of the vitamin above currently recommended intakes. The draft report is undergoing peer review.

ODS has established a Vitamin D Federal Working Group (a list of members is attached in Appendix E) to assist ODS in developing an NIH research agenda for vitamin D. At the first meeting of the group, which was held on March 6, staff from the AHRQ Evidence-based Practice Center at the University of Ottawa gave a presentation on the methods used and the findings of the draft report.

Subsequently, as part of the peer review process for the draft report, members of the Federal Working Group have provided comments that were sent to the Ottawa EPC (through AHRQ) earlier this week. We anticipate that the final report will be available on the AHRQ web site sometime in June. This will be followed by an ODS-sponsored conference and workshop on vitamin D on September 5, 6, and 7.

UPDATE FROM THE DHHS OFFICE OF DISEASE PREVENTION AND HEALTH PROMOTION (ODPHP)

Ms. Kathryn McMurry provided the NCC with several updates from ODPHP:

The Review of Dietary Reference Intakes project with IOM is progressing very well. A planning group has been meeting weekly over the past few months and the first set of deliverables were forwarded to the sponsors on March 30. The deliverables included a draft workshop agenda, lists of potential presenters and discussants, and draft outlines of background materials that will be prepared and publicly disseminated prior to the workshop. A US workshop will be held in Washington, DC in September, 2007. Health Canada plans to fund a similar workshop soon afterward, and a summary of both discussions will be prepared by early 2008.

The 2007 National Prevention and Health Promotion Summit: Creating a Culture of Wellness will be held on Tuesday, November 27—Thursday, November 29, 2007 at the Hyatt Regency Capitol Hill, Washington D.C. It will be co-hosted by the HHS Office of Disease Prevention and Health Promotion and the Centers for Disease Control and Prevention (CDC). This groundbreaking event will unite health professionals, business entrepreneurs, and government leaders at all levels who are dedicated to health promotion, chronic disease prevention, health preparedness, birth defects, disabilities, genomics, and wellness. The summit will feature prominent national speakers, the Secretary's Innovation in Prevention Awards, and an opportunity to showcase new approaches to prevention and health promotion – including innovations that promote regular physical activity, eating a healthful diet, taking advantage of medical screenings, and making healthy choices to avoid risky behaviors.

The presentations and proceedings of the 2006 Prevention Summit are available at http://www.healthierus.gov/steps/2006Slides/index.html

Planning for Healthy People 2020 is underway. The recommendations by the National Opinion Research Center (NORC) are being considered, and a small working group will outline the process. Intensive work is expected to begin within the next few months. See the following web site for additional information: http://www.norc.org/projects/assessment+of+the+healthy+people+objective-setting+framework+and+process.htm

Ms. McMurry also announced the new Deputy Director of ODPHP, Dr. Sarah R. Linde-Feucht, who joins ODPHP from the US Food and Drug Administration.

Dr. Rick Troiano, ODPHP, provided an update on the Physical Activity Guidelines effort. The "Adequacy of Evidence for Physical Activity Guideline Development: Workshop Summary" has been completed and is now available on the IOM website. Federal employees can get a free pdf copy (http://www7.nationalacademies.org/ocga/RequestReport.asp). In addition, the selection of the Advisory Committee has been completed and is now waiting for final approval. There were 128 nominations for the 13 Committee slots. An announcement identifying the members will hopefully be made at the Physical Activity Interest Group teleconference in May.

THE NATIONAL CHILDREN'S STUDY:
The National Children's Study Director, Dr. Peter Scheidt (NICHD), provided information about the study's background, current status, and future directions. The National Children's Study, originally authorized by the Child Health Act of 2000, received an appropriation of $69 million from Congress in February, 2007 that will enable the already established Study Centers (called Vanguard Centers) to begin recruitment. In addition, the funding supports the expansion of the Study into additional communities across the country,. The goal of the Study is to examine the effects of environmental influences on the health and development of more than 100,000 children across the United States, following them from before birth until age 21. Specific aims are to determine potential harmful, harmless, and helpful environmental effects and to identify potential preventable causes of important conditions and diseases of children.

In order to assure that key exposures with a varied and unknown distribution are not missed, a National Probability Sample will be used to obtain participants. The Centers will be determined by a competitive process for selection. There will be 30-50 Centers in all, serving the 105 geographic locations across the country from which the participants will be selected. An RFP has been posted in order to fund the next wave of 20 Study Centers nationwide. They will be awarded by the end of September.

This study will involve an extensive collection of data. Families who are enrolled in the Study will participate in a minimum of 12 in-person visits with a local research team beginning from the first trimester of pregnancy or earlier, through 21 years of age. Half of these visits will take place in the home and half will take place in clinical settings, including the infant's place of delivery. Data will also be collected from child care and school settings to include places where the child spends at least 30 hours per week. In addition to in-person visits, data will be remotely collected via telephone, computer, or mail-in questionnaires. Biological samples from the mother, father and child, as well as air, water, soil, and dust from the child's environment will be collected according to a schedule over time.

Dr. Scheidt views the National Children's Study to be a platform for adjunct studies that can be used to address additional in-depth questions. Funding would come from other sources, such as R01s, and there is currently a process in place to review and approve further studies. For more information, visit www.NationalChildrensStudy.gov.

UPDATE OF DNRC ACTIVITIES:

Nutrition Education Subcommittee (NES). Dr. Jean Pennington, DNRC, provided an update of the activities of the NIH NCC NES. For the calendar year 2007, the NES has received 10 documents for review. These documents include six from NIH (one each from NICHD, NHLBI, and WIN and 3 from ORS), two from CDC, and two from the USDA Food and Nutrition Service (FNS). Materials reviewed since the last NCC meeting are:

- *Balanced Choices Vending and Snack Criteria, 2nd and 3rd drafts* (ORS, NIH)
- *Fruit and Vegetable Tip Sheets* (CDC)
- We Can! Parent Tip Sheets (NHLBI, NIH)
- *Hazte Cargo de tu Slaud! Una gui'a para j'ovenes* (WIN, NIH)
- *Eat More, Weigh Less?* (CDC)

The DNRC is still interested in updating the nutrition education materials on its website (http://dnrc.niddk.nih.gov/nutrition_education/index.shtml), and NCC members are requested to check the information on the website and provide any needed changes or new materials. We have received updates from NCI, NCCAM, and NIA and would appreciate response from other NCC Institute, Center, and Office representatives.

HNRIM: Mr. Jim Krebs-Smith, DNRC, reported that the FY06 data collection for the Human Nutrition Research Information Management (HNRIM) System is nearing completion. Data has been entered and confirmed for all but three ICs, and finalization of these is expected within the next week. The Office of Dietary Supplements (ODS) has begun reviewing dietary supplement related coding and will communicate their recommendations for additions or changes to IC's for consideration.

NEXT NCC MEETING
The next meeting will be Thursday, May 3, 2007

ADJOURNMENT
The meeting was adjourned at 4:10 PM.

LIST OF APPENDICES
Appendix A: NIH NCC Meeting Agenda for April 5, 2007
Appendix B: NIH NCC Meeting Attendees for April 5, 2007
Appendix C: ODS Spring Seminar Series: "Pre and Pro-biotics: Rationale for Regular Consumption"
Appendix D: Agenda - "Current Issues and Recent Developments in Dietary Supplement Research: An Intensive Practicum"
Appendix E: Vitamin D Federal Working Group Members

APPENDIX A: NIH NUTRITION COORDINATING COMMITTEE MEETING AGENDA

Thursday, April 5, 2007
2:00-4:00pm
Rockledge 2, CR#9100-9104

1. **Welcome**……..…….…….....…Pam Starke-Reed

2. **Approval of Minutes of the February 1, 2007 meeting**…….....Pam Starke-Reed

3. **Reports from NCC Members and Liaisons**…...…….……....NCC Members

4. **ODS Activities Update …….……**Mary Frances Picciano, ODS

5. **ODPHP Activities Update**…**…….……..**Kathryn McMurry, ODPHP/OS

6. **Roadmap Initiatives- Nutrition Interests…….** Paul Coates, Rebecca Costello Christine Swanson, Pam Starke-Reed & Others

7. **The National Children's Study ……** Peter Scheidt. NICHD

8. **Current DNRC Update of Activities**….....…….……...…..DNRC Staff

   - Nutrition Education Subcommittee Update……..Jean Pennington*
   - International Committee Information……..…..Pam Starke-Reed/Dan Raiten*
   - HNRIM Update……....…….Jim Krebs-Smith/Karen Regan
   - HHS Obesity Related Activities……..…Van Hubbard

9. **Next Meeting** - May 3, 2007

10. **Old Business**

*** Updates will be included in the minutes of the meeting only**

APPENDIX B: NCC MEETING ATTENDEES FOR APRIL 5, 2007

	Members Present	Members Absent	Alternates Present
Chairperson:	V Hubbard		P Starke-Reed
NIH Members:			
NCI	J Milner		S Ross
NHLBI	D Danford		
NIDCR		R Nowjack-Rayner	
NIDDK	C Miles		
NINDS		M Mitler	
NIAID	M Plaut		
NIGMS		S Somers	
NICHD	G Grave		
NEI		N Kurinij	
NIEHS	E Maull		
NIA	J Hannah		
NIAMS		J McGowan	
NIDCD		B Wong	
NIMH		P Muehrer	
NIDA		G Lin	
NIAAA		R Breslow	
NINR		Y Bryan	
NCCAM		M Klein	
NCRR		L Yager	
FIC	J Herrington		
NHGRI		M.K. Holohan	
NIH Liaison Members:			
CC	N Sebring		
CIT		J Mahaffey	
CSR	S Kim		
NLM		S Phillips	
OBSSR	D Olster		
OC		M Stern	
ODS	P Coates		B Costello
OD/ODP	B Portnoy		
OLPA			
ORWH			
PRCC	M Vogel-Taylor		
Agency Liaison Representatives:			
CDC/NCCDPHP		D Galuska	
CDC/NCHS		V Burt	
FDA		K Ellwood	
HRSA	M Lawler		
IHS	T Brown		
ODPHP	K McMurry		
USDA	M Kretsch		D Klurfeld
DOD		K Friedl	
OPHS		M Terpeluk	

DNRC: R Fisher, S Frazier, W Johnson-Taylor, C McDade-Ngutter, J Pennington

Guests: U Colon (NCI), P Cotton (NINR), C Davis (NCI), S Gerrior (CSREES), P Hans (NINDS), M Horlick (NIDDK), B Kuczmarski (NIDDK), M McDowell (NCHS), H McPeak (ODPHP), L Nebeling (NCI), MF Picciano (ODS), A Shaikh (NCI), P Scheidt (NICHD), P Srinivas (NHLBI), C Swanson (ODS), R Troiano (ODPHP/OS), P Trumbo (FDA), B Yetley (ODS), S. Welsh (CSREES), A Yaroch (NCI).

APPENDIX C

Office of Dietary Supplements Spring 2007 Seminar Series

"Pre and Pro-biotics: Rationale for Regular Consumption"

Kelly Anne Tappenden, PhD, RD

Associate Professor of Nutrition and Gastrointestinal Physiology
Department of Food Science and Human Nutrition
Associate Dean, Graduate College, University of Illinois at Urbana-Champaign, Urbana, IL

Date: Wednesday, April 18, 2007

Time: 11:00 am – 12:00 pm

Location: 6130 Executive Blvd.
Executive Plaza North (EPN)
Room J, Rockville, MD

Hosted by: Office of Dietary Supplements
National Institutes of Health

Kelly Tappenden received her B.Sc. and Ph.D. in Nutrition and Metabolism at the University of Alberta in Edmonton, Canada. She completed clinical training as a Registered Dietitian at the Misericordia Hospital in Edmonton, Alberta. After completing a post-doctoral fellowship at the University of Texas-Houston Medical School, she joined the faculty at University of Illinois at Urbana-Champaign in 1997 in the Department of Food Science and Human Nutrition and the Division of Nutritional Sciences. In 2006, she became Associate Dean of the Graduate College.

Dr. Tappenden's research program is directed at achieving a greater understanding of the regulation of small intestinal function by various nutrients and gastrointestinal-specific peptides. Through the use of preclinical animal models simulating necrotizing enterocolitis, short bowel syndrome, diarrheal diseases (Salmonella typhimurium), and specialized nutrition support (enteral and parenteral nutrition) structural and functional adaptation of the intestine are explored. A necrotizing enterocolitis (NEC) neonatal piglet model is used to examine cellular mechanisms and regulation of nutrient processing within the compromised intestine.

Representative Publications:

Commare CE, Tappenden KA. Development of the infant intestine: implications for nutrition support.
Nutr Clin Pract. 2007;22(2):159-73.

Sangild PT, Tappenden KA, Malo C, Petersen YM, Elnif J, Bartholome AL, Buddington RK. Glucagon-like peptide 2 stimulates intestinal nutrient absorption in parenterally fed newborn pigs.
J Pediatr Gastroenterol Nutr. 2006;43(2):160-7.

Tappenden KA. Mechanisms of enteral nutrient-enhanced intestinal adaptation.
Gastroenterology 2006;130:S93-9.

APPENDIX D

Agenda (wSpeakers)

Current Issues and Recent Developments in Dietary Supplement Research: An Intensive Practicum

Natcher Conference Center, Building 45 (on NIH Main Campus)
Rooms E1/E2 and Balcony B
Also on location at the U.S. Congress and in Washington DC

May 21-25, 2007

Day 1 (Monday, May 21): Setting the Stage (Balcony B)

Session 1: Who Takes What for Why, and How Do We Know?
8:30 am to 11:15 am

8:30-9:15 Welcome and Overview
Paul M. Coates, PhD
NIH Office of Dietary Supplements

9:15-10:00 Who's Taking What?
Mary Frances Picciano, PhD
NIH Office of Dietary Supplements

10:00-10:15 Break

10:15-11:00 Why Are They Taking Them?
Johanna T. Dwyer, DSc, RD
NIH Office of Dietary Supplements

11:00-11:15 Session Wrap-Up

Session 2: It's the Law: Rules and Regulations
11:15 am to 5:00 pm

11:15-12:00 The Dietary Supplement Health and Education Act (DSHEA) and Before
Kenneth D. Fisher, PhD
NIH Office of Dietary Supplements

12:00-1:30 Lunch

1:30-2:15 What the Food and Drug Administration (FDA) Does
Susan Bernard, JD, DrPH

U.S. Food and Drug Administration

2:15-3:00 Supplement Labels
Virginia Wilkening, MS, RD
U.S. Food and Drug Administration (retired)

3:00-3:15 Break

3:15-4:00 Claims on Supplements and Foods
Kathleen C. Ellwood, PhD
U.S. Food and Drug Administration

4:00-4:45 What the Federal Trade Commission (FTC) Does
Michelle Rusk, JD
U.S. Federal Trade Commission

4:45-5:00 Session Wrap-Up

Day 2 (Tuesday, May 22): To Market, To Market (Room E1/E2)

Session 3: Drugs, Foods, and Supplements: On Different Paths
8:30 am to Noon

8:30-9:15 Bringing a Drug to Market
Megan Murphy, PhD
U.S. Food and Drug Administration

9:15-10:00 Bringing a Food to Market
Gilbert A. Leveille, PhD
Wrigley Science Institute

10:00-10:15 Break

10:15-11:00 Bringing a Supplement to Market
Loren D. Israelsen, JD
LDI Group, Inc. (and United Natural Products Alliance)

11:00-11:45 Interactions Between Supplements and Drugs
Bill J. Gurley, PhD
University of Arkansas for Medical Sciences

11:45-12:00 Session Wrap-Up

12:00-1:30 Lunch

Session 4: *What's in the Bottle?*
1:30 pm to 5:00 pm

1:30-2:15	Identity and Quality Joseph M. Betz, PhD NIH Office of Dietary Supplements
2:15-3:00	Groups Conducting 3rd Party Evaluations of Supplements Paul R. Thomas, EdD, RD NIH Office of Dietary Supplements
3:00-3:15	Break
3:15-4:00	FDA and Good Manufacturing Practices (GMPs) for Supplements Annette Dickinson, PhD Council for Responsible Nutrition
4:00-4:45	Characterizing Supplements in Journal Articles Christine Swanson, PhD, RD NIH Office of Dietary Supplements
4:45-5:00	Session Wrap-Up

Day 3 (Wednesday, May 23): Meeting the Stakeholders

Attendees will visit with those who study, advocate, regulate, or educate on dietary supplements in Washington DC. Chapman Associates Inc. coordinates this all-day event. Meetings will take place at the U.S. Congress and another location in Washington DC.

9:00-10:15	Panel 1: Professional Players Scheduled: Representatives from the American Dietetic Association, Food and Nutrition Board of the Institute of Medicine, and The Washington Post
10:30-11:45	Panel 2: Face to Face with the Industry Scheduled: Representatives from the Natural Products Association, Council for Responsible Nutrition, and the Dietary Supplement Education Alliance
11:45-1:30	Lunch
1:30-3:00	Panel 3: Legislative Opportunities Scheduled: A member of the Senate or House of Representatives, a representative from the Congressional Research Service, and a

representative from the House Subcommittee on Health of the Energy and Commerce Committee

3:15-4:30 Panel 4: Meet the Consumer Groups
Scheduled: Representatives from the National Consumers League, Center for Science in the Public Interest, and the Health Research Group

Day 4 (Thursday, May 24): Assessing the Health Effects of Foods and Supplements, Part 1 (Room E1/E2)

Session 5: Understanding the Principles
8:30 am to Noon

8:30-9:15 Measuring Food and Supplement Intakes
Mary Frances Picciano, PhD
NIH Office of Dietary Supplements

9:15-10:00 Biomarkers of Exposure
Clifford L. Johnson, MSPH
National Center for Health Statistics

10:00-10:15 Break

10:15-11:00 Efficacy: The Concept and Its Measurement
Peter Greenwald, MD, DrPH
NIH National Cancer Institute

11:00-11:45 Safety: The Concept, Its Measurement, and Reporting
Elizabeth A. Yetley, PhD
NIH Office of Dietary Supplements

11:45-12:00 Session Wrap-Up

12:00-1:30 Lunch

Session 6: Special Focus on Dietary Supplement Databases
1:30 pm to 5:00 pm

Databases to be demonstrated and explored include: (1) IBIDS (International Bibliographic Information on Dietary Supplements); regular and clinical, (2) CARDS (Computer Access to Research on Dietary Supplements), (3) NOADS (NHANES [National Health and Nutrition Examination Survey] Online Analyst of Dietary Supplements), (4) HNRIM (Human Nutrition Research and Information Management) system, (5) CRIS (Current Research Information System), (6) U.S. Department of

Agriculture (USDA) National Nutrient Database for Standard Reference, and (7) MEDLINE/PubMed.

Speakers from the NIH Office of Dietary Supplements to include:
Rebecca B. Costello, PhD
Mary Frances Picciano, PhD
Carol Haggans, MS

Day 5 (Friday, May 25): Assessing the Health Effects of Foods and Supplements (Part 2) and The Big Picture (Room E1/E2)

Session 7: *Doing the Studies*
8:30 am to 10:00 am

8:30-9:15 The Different Types and What They Tell Us
William R. Harlan, MD
NIH National Library of Medicine

9:15-10:00 Conducting a Study with Dietary Supplements
Freddie Ann Hoffman, MD
HeteroGeneity LLC

10:00-10:15 Break

Session 8: *Science, Policy, Action, and Advice*
10:15 am to 12:30 pm

10:15-11:00 Moving from Science to Policy
Elizabeth A. Yetley, PhD
NIH Office of Dietary Supplements

11:00-11:45 Communicating Scientific Information About Dietary Supplements
Susan T. Borra, RD
International Food Information Council

11:45-12:00 Resources of the Office of Dietary Supplements
Anne L. Thurn, PhD
Leila G. Saldanha, PhD, RD
NIH Office of Dietary Supplements

12:00-12:30 Final Discussion and Q&A with ODS Staff and Speakers

12:30 Adjourn

APPENDIX E:

Vitamin D Federal Working Group

Co-Chairs: **Paul M. Coates, Ph.D.**
Director
Office of Dietary Supplements
National Institutes of Health

Patsy M. Brannon, Ph.D., R.D.
Visiting Professor
Office of Dietary Supplements
National Institutes of Health
Professor, Nutritional Sciences
Cornell University

David Atkins, M.D., M.P.H.
Chief Medical Officer
Center for Outcomes and Evidence
Agency for Healthcare Research and Quality

Darla Danford, D.Sc., M.P.H.
Nutrition Coordinator
Center for the Application of Discoveries
National Heart, Lung, and Blood Institute
National Institutes of Health

Cindy Davis, Ph.D.
Program Director
Nutritional Science Research Group
Division of Cancer Prevention
National Cancer Institute
National Institutes of Health

Kathleen C. Ellwood, Ph.D.
Director
Division of Nutrition Programs Staff
Office of Nutritional Labeling and Dietary Supplements
Center for Food Safety and Applied Nutrition
U.S. Food and Drug Administration

Partap Khalsa, D.C., Ph.D.
Program Officer
National Center for Complementary & Alternative Medicine
National Institutes of Health

Molly Kretsch, Ph.D.
National Program Leader Human Nutrition
U.S. Department of Agriculture—ARS

Natalie Kurinij, Ph.D.
Director
Epidemiology & Clinical Studies Program
National Eye Institute
National Institutes of Health

Anne C. Looker, Ph.D.
Distinguished Consultant
National Center for Health Statistics
Center for Disease Control & Prevention

Saul Malozowski, M.D., Ph.D.
Senior Advisor for Endocrine Physiology
Division of Diabetes, Endocrinology & Metabolic Disease
National Institute of Diabetes & Digestive & Kidney Diseases
National Institutes of Health

James P. McClung, Ph.D.
Nutritional Biochemist
Military Nutrition Division
U.S. Army Research Institute for Environmental Medicine

Joan McGowan, Ph.D.
Chief
Musculoskeletal Diseases Branch
National Institute of Arthritis and Musculoskeletal
and Skin Diseases
National Institutes of Health

Kathryn McMurry, M.S.
Senior Nutrition Advisor
Office of Disease Prevention & Health Promotion
Office of Public Health and Science, Office of the Secretary
U.S. Dept. of Health and Human Services

Barry Portnoy, Ph.D
Senior Advisor for Disease Prevention
Office of Disease Prevention
Office of the Director
National Institutes of Health

Daniel Raiten, Ph.D.
Health Scientist Administrator
Office of the Director
National Institute of Child Health and Human Development
National Institutes of Health

Kelley Scanlon, Ph.D., R.D.
Epidemiologist
Division of Nutrition and Physical Activity
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control & Prevention

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