

**MINUTES OF THE NUTRITION COORDINATING COMMITTEE (NCC)  
MEETING, NATIONAL INSTITUTES OF HEALTH (NIH)  
Rockledge 2, Conference Room 9100-9104, Bethesda, MD  
September 6, 2007 2:00- 4:00 PM**

**WELCOME**

Dr. Van Hubbard, Director, NIH Division of Nutrition Research Coordination (DNRC), convened the meeting at 2:04 PM and welcomed participants. Participating via phone were Dr. Rosalind Breslow, NIH NIAAA; Ms. Tammy Brown IHS; Dr. Nancy Emenaker, NIH NCI; COL Karl Friedl, DoD; Dr. Shirley Gerrior, USDA CSREES; Dr. James Herrington, NIH FIC; Dr. David Klurfeld, USDA; Dr. Amy Odegaard, FDA; Dr. Elizabeth Maull, NIH NIEHS; Dr. Sharon Ross, NIH NCI; and Dr. Pam Starke-Reed, NIH DNRC. 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 JUNE 7, 2007 NCC MEETING**

Minutes from the June 7, 2007 NCC meeting had previously been sent to NCC members via email. Dr. Hubbard asked if there were any other corrections to the minutes. There were none. Dr. Sooja Kim, Center for Scientific Review (CSR), made a motion to approve the minutes, and Dr. Carolyn Miles, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), seconded the motion. The minutes were thus approved and will be posted on the DNRC website, <http://www.dnrc.nih.gov>, along with the minutes from previous NCC Meetings.

**REPORTS FROM NCC MEMBERS AND LIASONS:**

Dr. Marshall Plaut, NIAID, directed the attention of the NCC to a new RFA released on August 23<sup>rd</sup>. The RFA is entitled, "Exploratory Investigations in Food Allergy (R21)." More information can be found in the NIH Guide (<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-07-032.html>).

Dr. Darla Danford announced that NHLBI has issued a strategic plan, "Shaping the Future of Research," and is proceeding with its implementation (<http://apps.nhlbi.nih.gov/strategicplan>). A pivotal element called for in the plan is the creation of a Cardiovascular Knowledge Network (CKN), which will link the domains of knowledge generation, knowledge translation and dissemination, knowledge utilization, and knowledge technology. The CKN is intended to facilitate interaction among these domains in order to bridge the gap between discovery and delivery, identify knowledge gaps that should be addressed by future research, bring user communities together to better meet their needs, and speed translation of research into practice through use of more effective approaches for synthesizing and organizing evidence.

NHLBI is in the initial stages of launching an expanded initiative to develop and promote clinical guidelines to reduce the risk for cardiovascular disease (CVD). This initiative has two components: a long-term track to develop integrated CVD

guidelines spanning the major CVD risk factors, and a short-term track to update the existing guidelines for the management of high blood pressure (Joint National Committee [JNC] 7), cholesterol (Adult Treatment Panel [ATP] III), and obesity/overweight (Obesity Clinical Guidelines). These two tracks will constitute the foundation of a comprehensive guidelines initiative that seeks to address the needs of primary care clinicians, specialty groups, and patients. NHLBI is also developing integrated pediatric guidelines to reduce the risk for CVD. Those guideline recommendations will be seamless with the adult guidelines.

Dr. Rosalind Breslow, NIAAA, shared the release of a new PA entitled “Nutrition and Alcohol-Related Health Outcomes (R01).” More information can be found in the NIH Guide: <http://grants.nih.gov/grants/guide/pa-files/PA-07-403.html>.

Dr. Nancy Emenaker, NCI, will be heading an outreach activity to attract new investigators at the American Dietetic Association Food & Nutrition Conference & Expo on Monday, October 1<sup>st</sup>. She encouraged interested NCC members to represent their IC and join the outreach effort. Contact Dr. Emenaker for more information ([Nancy.Emenaker@nih.hhs.gov](mailto:Nancy.Emenaker@nih.hhs.gov)).

Dr. Sooja Kim, CSR, announced a change in terminology associated with the peer review process. “Scientific Review Administrators” (SRA) will now be called “Scientific Review Officers” (SRO).

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

Ms. Holly McPeak and Dr. Rick Troiano provided the NCC with several updates from ODPHP:

Vitamin D Meeting (Sept 5-6): Feedback from those who attended the ODS-sponsored Vitamin D meeting indicated that the meeting went well. Prior to the meeting, talking points and Q and A’s were developed. Sessions were not reported to be controversial.

#### Review of Dietary Reference Intakes (DRI Meeting)

- Project with IOM is progressing very well, with close collaboration between the federal sponsors and the IOM Planning Committee.
- The joint US/ Canadian workshop will be held in Washington, DC in September 18-20, 2007.
- Registration is available online at [www.iom.edu/driworkshop2007](http://www.iom.edu/driworkshop2007). Over 300 participants have registered.
- Background materials for the workshop and public comments are available on the website.

#### 2010 Dietary Guidelines for Americans

- An interagency working group has been formed with representation from HHS/OPHS, HHS/CDC, HHS/FDA, HHS/NIH, USDA/ARS, USDA/CSREES,

and USDA/CNPP, which continues to develop a process for utilizing an evidence-based review tool to support the 2010 advisory committee.

- The Assistant Secretary for Health has signed an MOU with USDA that provides a framework for collaboration between the 2 departments for staff support for the advisory committee and for preparation of the 2010 Dietary Guidelines and related consumer materials.
- Requests for public nominations to the Dietary Guidelines Advisory Committee will be made in Spring 2008.

### Healthy People 2010

In a *Federal Register* notice published August 21, 2007, HHS announced the establishment of the Secretary's Advisory Committee on National Health Promotion and Disease Prevention Objectives for 2020 and solicited nominations for appointment to the Committee. The Department seeks nominees with expertise across a broad range of areas related to health promotion, disease prevention, and public health benchmarking. **Nominations are due September 20, 2007.**

Federal employees may not serve on the Advisory Committee, but they may make nominations and are encouraged to share the information with persons with relevant expertise.

HHS has established a Federal Interagency Workgroup (FIW) charged with guiding the development of the Healthy People 2020 goals and objectives. Each HHS agency has a representative serving on the FIW. Subgroups of the FIW are being formed to address specific issues related to the development process (eg, Framework and Visions, Outreach, FACA, Regional Meetings, etc).

Any agency staff interested in participating in the HP2020 development process should work through their agency's FIW representative. The NIH representatives are Martina Vogel Taylor and Barry Portnoy (alternate).

### American Dietetic Association Food & Nutrition Conference & Expo

ODPHP will be sponsoring a booth during the conference on September 29 – October 2. Ms. McPeak encouraged all conference attendees to stop by.

### 2007 National Prevention and Health Promotion Summit

The Summit will take place November 27-29, 2007 at the Hyatt Regency Capital Hill in Washington DC. Brochures are now available and were handed out to all NCC members. For more information visit the following website:

<http://www.cdc.gov/cochp/conference/index.htm>.

### Physical Activity Guidelines

The Advisory Committee has begun working in the outcome-based subcommittees to prepare draft chapters for presentation at the next public meeting. Additional consultants to the subcommittees are in the process of being

finalized. The next Committee meeting is scheduled for December 6 and 7, 2007 in the Washington, DC area.

### **NUTRITION NIH FACT SHEET PROPOSAL**

Dr. Megan Miller, NIDDK, Office of Scientific Program and Policy Analysis (OSPPA), presented a proposal to create fact sheets on nutrition research for the NIH website. Fact sheets are released by NIH OD to show the public “how NIH is pursuing its goal to make important medical discoveries that improve health and save lives.” The fact sheets follow a 1-2 page format that show progress under the headers: Thirty Years Ago/Yesterday, Today, and Tomorrow. There are currently over 90 fact sheets available, though none deal specifically with nutrition research. To see a full list of the topics and example fact sheets, visit the following website:

<http://www.nih.gov/about/researchresultsforthepublic/index.htm>

NIH OD continually requests additional fact sheets, especially on trans-NIH topics. This is a good opportunity to highlight for the public past and ongoing nutrition advances that improve health. OSPPA has offered their assistance to work with NCC reps to develop nutrition fact sheets. By working under the purview of the NCC, broad input on trans-NIH/trans-agency contributions to nutrition research advances can be ensured.

\* **ACTION ITEM:** Please contact Dr. Hubbard with topic ideas or documents already prepared by your Institute that could be transferred to the specific fact sheet format.

### **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 28 documents for review. These documents include ten from NIH (one each from NICHD and WIN, three from ORS, and five from NHLBI), six from CDC, three from IHS, one from HRSA, one from DHHS, and seven from USDA. Materials reviewed since the last NCC meeting are:

- *Get on the Grain Train; Fabulous Fruits...Versatile Vegetables* (CNPP, USDA)
- *Honoring the Gift of Children: A Family Wellness Journey* (IHS)
- *Bright Futures for Women’s Health and Wellness. Rural Tools for Adult/Young Women* (HRSA)
- *Delicious Heart Healthy Latino Recipes* (NHLBI)
- *Fotonovela* (CDC)
- *Nutrition Basics Web Site* (CDC)
- *MyPyramid Plan for Moms* (CNPP)
- *MyPyramid Fact Sheets for Breastfeeding and Pregnant Moms* (FNS, USDA)
- *Dietary Guidelines and a Healthy Diet Fact Sheet* (IHS)
- *NHLBI Heart Guardians Cardiovascular Disease Prevention Curriculum* (NHLBI)

- *Healthy Weight Web Pages* (CDC)

The DNRC continues to update the nutrition education materials on its website ([http://dnrc.niddk.nih.gov/nutrition\\_education/index.shtml](http://dnrc.niddk.nih.gov/nutrition_education/index.shtml)); NCC members are requested to check the information on the website and provide any needed changes or new materials to Karen Regan, DNRC.

*HNRIM:* Ms. Karen Regan provided several updates regarding the Research, Conditions, and Disease Categorization (RCDC) project. It was announced at a general RCDC meeting earlier in the day that, beginning in fiscal 2008, all contracts and Interagency Agreements in Impac will include abstracts. This will be very helpful when coding these projects for HNRIM. The next meeting regarding the Nutrition Fingerprint will be held on October 3<sup>rd</sup>. Ms. Regan encouraged anyone who is interested in the process to attend. The next step will be to apply the working nutrition definition to the 2006 HNRIM data in order to determine how the new coding system compares to process used in the past. This information will be helpful in further defining the nutrition fingerprint. Contact Ms. Regan for more details ([Karen.Regan@nih.hhs.gov](mailto:Karen.Regan@nih.hhs.gov)).

Dr. Crystal McDade-Ngutter announced that registration for the Gastrointestinal Microbiota and Advances in Pre and Probiotic Research conference begins on September 7, 2007. Please register at <http://www.scgcorp.com/preandprobiotics> as soon as possible. For questions concerning registration, please contact Maria Smith at [msmith@scgcorp.com](mailto:msmith@scgcorp.com). If you have other questions pertaining to the conference, please contact Dr. Crystal McDade-Ngutter at [mcdadengutterc@mail.nih.gov](mailto:mcdadengutterc@mail.nih.gov).

**PUBLIC SCIENTIFIC PRESENTATION - NON-PRICE MECHANISMS IN THE OBESITY EPIDEMIC: TOWARD AN AGENT-BASED MODEL**

Dr. Joshua Epstein, Director of the Center on Social and Economic Dynamics Program, Senior Fellow in Economic Studies at The Brookings Institution, and a member of the External Faculty of the Santa Fe Institute presented initial findings from his analysis of two non-price mechanisms for obesity: the physiology of dieting, and socially influenced weight changes using an agent-based model. Emphasized in his talk was the need for a better understanding of the mechanisms involved in the obesity epidemic. Most studies have focused on prices, technology, and the general availability of food, and less attention has been paid to the roles of social influence and the physiology of energy balance. In his model, Dr. Epstein showed that core equations governing the physiology of weight change can generate many of the known facts about diet and weight gain. Using a new quantitative index of recidivist temptation, he developed a range of novel diets. His model also shows that a simple conformist social mechanism can drive a sharp increase in weight. For a copy of Dr. Epstein's recent paper, which describes his model in detail, please contact Rachel Fisher: [Rachel.Fisher@nih.hhs.gov](mailto:Rachel.Fisher@nih.hhs.gov).

Dr. Epstein feels strongly that integrative models adding social and physiological mechanisms to economic ones will provide deeper explanations of the observed dynamics of obesity and a powerful array of policy interventions tailored to specific communities and individuals within them. He is very interested in collaborating with experts in the field of obesity to better inform his model and strengthen its capability.

**NEXT NCC MEETING**

The next meeting will be Thursday, October 4, 2007

**ADJOURNMENT**

The meeting was adjourned at 2:57 PM and opened to the public for the Scientific Presentation at 3:00 PM

**LIST OF APPENDICES**

Appendix A: NIH NCC Meeting Agenda for September 6, 2007

Appendix B: NIH NCC Meeting Attendees for September 6, 2007

## APPENDIX A: NIH NUTRITION COORDINATING COMMITTEE MEETING AGENDA

1. **Welcome**..... Van Hubbard
2. **Approval of Minutes of the June 7, 2007 meeting**..... Van Hubbard
3. **Reports from NCC Members and Liaisons**.....NCC Members
4. **ODPHP Activities Update**..... Holly McPeak/Rick Troiano, ODPHP/OS
5. **Nutrition NIH Fact Sheet Proposal**.....Megan Miller, NIDDK
6. **Current DNRC Update of Activities**.....DNRC Staff
  - Nutrition Education Subcommittee Update.....Jean Pennington\*
  - International Committee Information.....Pam Starke-Reed/Dan Raiten\*
  - HNRIM/RCDC Update.....Jim Krebs-Smith/Karen Regan
  - HHS Obesity Related Activities.....Van Hubbard
7. **Next Meeting - October 4, 2007**

Meeting Opened to Public for Scientific Presentation (3:00 PM):

### **“Non-Price Mechanisms in The Obesity Epidemic: Toward an Agent-Based Model” Dr. Joshua M. Epstein**

Joshua M. Epstein is Director of the Center on Social and Economic Dynamics Program, Senior Fellow in Economic Studies at The Brookings Institution, and a member of the External Faculty of the Santa Fe Institute. He holds a Ph.D. in Political Science from MIT and is a member of the New York Academy of Sciences. He is also a member of the Editorial Boards of the journal *Complexity*, and of the Princeton University Press *Studies in Complexity* book series. His primary research interest is in the modeling of complex social, economic, and biological systems using agent-based computational models and nonlinear dynamical systems. He has taught computational and mathematical modeling at Princeton and the Santa Fe Institute Summer School. He has published widely in the modeling area, including recent articles on the dynamics of civil violence, the demography of the Anasazi (both in the *Proceedings of the National Academy of Sciences*) and the epidemiology of smallpox (in the *American Journal of Epidemiology*). His latest book, *Generative Social Science: Studies in Agent-Based Computational Modeling* was recently published by the Princeton University Press. Additionally, he has authored or co-authored several books including: *Growing Artificial Societies: Social Science From the Bottom Up*, with Robert Axtell (MIT Press/Brookings Institution, 1996); *Nonlinear Dynamics, Mathematical Biology, and Social Science* (the Santa Fe Institute/Addison-Wesley, 1997); *Strategy and Force Planning: The Case of the Persian Gulf* (Brookings Institution, 1987) and *Conventional Force Reductions: A Dynamic Assessment* (Brookings Institution, 1990).

## APPENDIX B: NCC MEETING ATTENDEES FOR SEPTEMBER 6, 2007

	Members Present	Members Absent	Alternates Present
<u>Chairperson:</u>	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	P Hans
NIAID	M Plaut		
NIGMS		S Somers	
NICHD	G Grave		
NEI		N Kurinij	
NIEHS	E Maull		
NIA			
NIAMS		J McGowan	
NIDCD		B Wong	
NIMH		P Muehrer	
NIDA		G Lin	
NIAAA	R Breslow		
NINR		P Cotton	
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	
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	H McPeak
USDA		M Kretsch	D Klurfeld
DOD	K Friedl		
OPHS			

DNRC: R Fisher, S Frazier, D Johnson-James, W Johnson-Taylor, J Krebs-Smith, C McDade-Ngutter, J Pennington, K Regan

Guests: N Emenaker (NCI), M Evans, (NIDDK), S Gerrior (CSREES), M Miller (NIDDK), A Odegaard (FDA), R Troiano (OS/ODPHP), S Kasaoka (NHLBI)