MINUTES OF THE NUTRITION COORDINATING COMMITTEE (NCC) MEETING, NATIONAL INSTITUTES OF HEALTH (NIH) Rockledge 2, Conference Room 9100-9004, Bethesda MD March 3, 2005, 2:00-4:00 PM

WELCOME

Dr. Van Hubbard, Director, Division of Nutrition Research Coordination (DNRC), convened the meeting at 2:00 PM and welcomed the participants. Participating via teleconference were Dr. Martina Vogel-Taylor, NIH Office of the Director; Dr. Deb Galuska, Centers for Disease Control and Prevention (CDC); Ms. Jennifer Weber and Ms. Kim Stitzel, Department of Health and Human Services (DHHS) Office of Disease Prevention and Health Promotion (ODPHP); Dr. Molly Kretsch, USDA Agricultural Research Service (ARS); and Dr. Shirley Blakely, Food and Drug Administration (FDA). The agenda for the meeting is provided as Appendix A, and the list of attendees is provided as Appendix B.

SCIENTIFIC PRESENTATION

Dr. Hubbard introduced Dr. Brian Wansink, who was invited to make a presentation to the NCC in honor of National Nutrition Month. Dr. Brian Wansink, Professor of Nutritional Sciences at the University of Illinois at Urbana-Champaign, Illinois, provided a presentation entitled *Ubiquitous Consumption Norms and Food Intake*.

APPROVAL OF MINUTES FROM THE JANUARY 6, 2005 NCC MEETING

Minutes from the January 6, 2005, NCC Meeting had previously been sent to NCC members via email. Dr. Hubbard asked if there were any corrections to the minutes. There were none. Dr. John Milner, National Cancer Institute (NCI), made a motion to approve the minutes, and Dr. Paul Coates, Office of Dietary Supplements (ODS), seconded the motion. The minutes were thus approved and will be posted on the DNRC website, <u>http://www.dnrc.nih.gov</u> along with the minutes from previous NCC Meetings.

DEVELOPMENT OF A SELF-ADMINISTERED, AUTOMATED 24-HOUR DIETARY RECALL

Dr. Nancy Potischman, NCI, presented information on the development of an automated, self-administered 24-hour recall that NCI and others are supporting. This computer- (and potentially web-) based system will allow 24-hour recall data collection from large numbers of respondents without the cost of an interviewer. The respondent is guided through the system by an animated character who speaks the on-screen text, making the system usable by low-literacy groups. The system currently includes approximately 8000 food images that allow visual presentation of varying portion sizes to assist the respondent. Nutrient data are included in the system, so that values are available in real-time. NCI is seeking funding partners for the next phase of development. Institute and Center (IC) interest that is accompanied by any level of financial support will demonstrate wide interest in this project and help leverage NCI funding.

US 2005 DIETARY GUIDELINES FOR AMERICANS

Ms. Kathryn McMurry from the DHHS ODPHP provided an overview of the 2005 Dietary Guidelines for Americans (DGAs) indicating major changes from the 2000 DGAs. The 2005 DGAs were released by USDA Secretary Anne Venneman and DHHS Secretary Tommy Thompson on January 12, 2005. There are three components - the Dietary Guidelines Advisory Committee Report, the DGAs policy document, and the first consumer brochure. The policy document is intended for use by nutrition and health professionals and policymakers; it will serve as the basis for the development of consumer nutrition materials and programs. Implementation tools for the DGAs include the DASH eating plan, the Nutrition Facts panel (which will be undergoing reassessment and revision by FDA), the USDA food quide (expected within 2-6 weeks), and the Toolkit for nutrition professionals (a looseleaf binder with various sections, some of which are not yet completed). The DGAs consist of 9 focus areas, 23 general recommendations, and 18 specific population recommendations. One major change from previous versions of the DGAs is that food group intake is provided in cups and ounces rather than as servings. There is now more specificity for recommendations for physical activity for adults. Other changes include increased recommendations for dairy products for adults, specific recommendations for whole grain consumption, stronger emphasis on saturated fat, recommendations for trans fat, stronger emphasis on dietary fiber, and specific mention of the need for potassium from fruits and vegetables. More information is available at www.healtherus.gov/dietary guidelines.

There was some discussion initiated by Dr. Sue Krebs-Smith, NCI, about the development of a workgroup to establish review criteria for the development of nutrition education materials based on the 2005 DGAs.

Dr. Hubbard indicated that copies of the 2005 DGAs would be sent to all NIH NCC members. Others who would like a copy should send an email request to Ms. Linda Somuah (<u>somuahL@mail.nih.gov</u>). Copies of the *Dietary Guidelines Adivsory Committee Report* may also be requested.

NIH OFFICE OF DIETARY SUPPLEMENTS (ODS)

Dr. Paul Coates, ODS, noted that ODS continues to be very interested in receiving requests from the ICs for co-funding of research grants, conferences, and workshops. They are developing new strategies for dealing with these requests that they hope will be more responsive to IC needs, especially in terms of timely decision-making and transferring of funds. Details will be available soon in a letter to IC Directors, as well as to the members of the Trans/Agency Working Group on Dietary Supplements. In the past, ODS had a single solicitation each year for conference/workshop applications, and then another announcement once a year for grants through the Research Enhancement Awards Program (REAP). The new procedure will be for ODS to accept applications for co-funding of grants, workshops, and conferences throughout the year and make funding decisions coincident with IC Council rounds.

ODS, along with several ICs, ODPHP, CDC, FDA, Department of Defense (DoD), and USDA, formed an ad hoc Working Group to undertake the tasks of defining bioactive food components and exploring approaches to evaluating their significance in health promotion and disease prevention. These activities include publication of a Federal Register notice in September 2004, inviting comment on a definition of bioactive food components, and two public meetings, one scheduled for March 24-25, 2005 at the NIH Lister Hill Auditorium on the NIH Campus in Bethesda, Maryland and the other scheduled April 1, 2005 at the San Diego Marriott Hotel and Marina in conjunction with the Experimental Biology 2005 (EB05) meetings in California. The goal of the March 24-25 conference is to identify guiding principles to direct the development of approaches to categorize and assess the health effects of bioactive food components. The April 1 workshop will report on the lessons learned from the evidence-based reviews on omega-3 fatty acids conducted by the Agency for Healthcare Research and Quality (AHRQ) and examine how this knowledge can be applied to researching the health effects of other bioactive food components. For additional information, contact Dr. Leila Saldanha in ODS. Details of these efforts, as well as registration information for both meetings, can be found at the following website: http://www.scgcorp.com/bioactivefood2005.

The first meeting of the ODS Trans-NIH/Agency Working Group on Dietary Supplements was held January 27, 2005. The Working Group was organized as a component of the implementation of the ODS Strategic Plan for 2004-2009. The main purpose of the Working Group is to foster and enhance information interchange among those ICs, Offices, and Agencies with which ODS partners in support of research, education, training, and communication about dietary supplements. Thirty-three representatives of NIH ICs and other Federal departments and agencies attended. Information on ODS programs and activities was provided to all members. Subsequent discussions focused on suggestions and recommendations from the attendees on ways in which the purposes of the Working Group could be addressed. These included the types of information sought by both ICs and Agencies, as well as by ODS. The Working Group will meet again in the fall; in the interim, e-mail is being used as a primary method of communication.

A public meeting is being planned for May 20, 2005 at which time ODS will be seeking additional public input on implementation of the Strategic Plan as well as suggestions on research needs and opportunities.

UPDATE OF DNRC ACTIVITIES

Nutrition Education Subcommittee. Dr. Jean Pennington, DNRC, provided an update of the activities of the NIH Nutrition Education Subcommittee (NES). Since the beginning of 2005, ten items have come in for review including four from NCI, one from the DNRC, one from the National Institute of Child Health and Development (NICHD), 2 from DHHS, and two from the USDA Center for Nutrition Policy and Promotion (CNPP). Materials reviewed since the January 2005 NCC meeting include:

- Audio News Releases for Fruits and Vegetables (NCI)

- Body & Soul Radio Spots and Print Ad (NCI)
- NIH Nutrition Month Desk-to-Desk Flyer (DNRC)
- Healthy Eating Index Educational Messages for Children (CNPP, USDA)
- Body & Soul Press Release and Media Messages (NCI)
- 9 A Day for Men Radio Ads (NCI)
- Health Beat Scripts (DHHS)
- Health Intermediary Toolkit (ODPHP, DHHS)
- Media-Smart Youth Video Scripts (NICHD)
- USDA Food Guidance System Interactive Web Content (CNPP, USDA)

At the last NCC Meeting, Dr. Pennington requested that NCC members look at the DNRC website (www.dnrc.nih.gov) under *Nutrition Education* to determine if the links and information presented for their IC needed to be updated. No updates were submitted since that request. ICs may submit updates at any time, and the DNRC will provide a yearly reminder to NCC members about the need for updates. The DNRC will be developing some information on their website pertaining to the review of nutrition education materials to assist those who develop these materials. The website information will cover what needs to be reviewed and an overview of the NES and joint DHHS/USDA review process.

Subcommittee on International Nutrition Research. Dr. Daniel Raiten, NICHD, shared a proposal for a workshop related to obesity to be submitted through the SCINR and open for consideration by the NCC (Appendix C). Dr. Raiten also gave a brief overview of the plans for a World Health Organization (WHO)/DHHS-sponsored consultation on nutrition and HIV scheduled for April 10-13, 2005 in Durban, South Africa. NIH will be represented at this consultation by the Deputy Directors of NICHD and National Institute on Alcohol Abuse and Alcoholism (NIAAA), staff from NICHD, National Institute of Allergy and Infectious Diseases (NIAID), Fogarty International Center (FIC), and OAR as well as the DHHS Office of Global Health Affairs (OGHA). There will be 20 countries from eastern and southern Africa officially represented along with all relevant multinational organizations (UNAIDS, WHO, WFP, FAO, UNICEF, et al.), and 25 non-government organizations (NGOs). In addition to NIH, other US Government agencies participating will include USAID, CDC, Office of Global AIDS Coordinator (OGAC), and USDA (the Undersecretary for Food, Nutrition, and Consumer Services).

Human Nutrition Research and Information Management (HNRIM) System Update. Mr. Jim Krebs-Smith, DNRC, provided a status report of the HNRIM System. He noted that the request for FY04 data for HNRIM was previously issued to NIH ICs and that the data were due by the end of week. He will send a reminder. In response to questions regarding differences between nutrition submissions to OFM and HNRIM, Mr. Krebs-Smith said he would again distribute (and post to the HNRIM update website) guidance from OFM on this issue. The NIH HNRIM report for FY03, plus PowerPoint slides of selected tables, is now available on the public HNRIM website (<u>hnrim.nih.gov</u>).

REPORTS FROM NCC MEMBERS AND LIAISIONS

Dr. Sherine Jenells, DNRC reminded attendees about the *Vitamin E Workshop* which is to be held on March 7-8, 2005 at the Bethesda Holiday Inn Select. This workshop is supported by ODS and DNRC and will focus on the health consequences of vitamin E supplementation.

Dr. John Milner, NCI, noted that one of the *Stars in Nutrition Seminars* will be held on March 21, 2005 in the Building 10 Lipsett Amphitheater on NIH Campus from 3:00-5:00 PM with a presentation by Dr. Paul Talalay from the John Hopkins University School of Medicine, who will speak on *Protection Against Cancer: Edible Plants, Genes, and Enzymes*.

Dr. Hubbard has provided information about the American Society for Clinical Nutrition (ASCN) *Medical Nutrition Education Workshop* to be held on April 2, 2005 in the San Diego Convention Center in San Diego, California. Speakers and topics are listed in Appendix D.

Dr. Coates announced that upcoming speakers for the ODS monthly seminar series (Appendix D) include Dr. Irvin Rosenberg, from the Jean Mayer USDA Human Nutrition Research Center at Tufts University on March 9, 2005 and Dr. Barry Halliwell, from the National University of Singapore on April 13, 2005. Details about topics, times, and locations are available from ODS.

Dr. Martina Vogel-Taylor mentioned that CDC staff who work on the *Guide to Community Preventive Services* have expressed interest in collaborating with NIH on a conference or workshop to examine issues regarding measurement of dietary intake and evaluation of intervention outcomes, particularly among children. Their interest stems from a recent systematic review of the published literature on school-based nutrition interventions for use by the Community Guide Task Force in making recommendations on school nutrition programs. The Community Guide Task Force concluded that there was insufficient evidence to determine effectiveness because the dietary intake effects were so small and a bias in self-report data could not be ruled out. If possible, they would also be interested in examining related physical activity measurement issues. Dr. Vogel-Taylor will obtain more information from CDC staff and inform Dr. Hubbard about subsequent discussions.

Dr. Robert Kuczmarski, National Institute on Diabetes and Digestive and Kidney Diseases (NIDDK) provided copies of the *Summary Report. Site Specific Approaches. Prevention or Management of Pediatric Obesity*, which resulted from a meeting held July 14-15, 2004 at the Hyatt Regency Bethesda, Bethesda, Maryland.

NEXT NCC MEETING

Next NCC meeting – The next NCC Meeting is scheduled for April 7, 2005.

ADJOURNMENT

Dr. Hubbard made a motion to adjourn the meeting, and Drs. Coates and Milner seconded the motion. The meeting was adjourned at 4:05 pm.

LIST OF APPENDICES

Appendix A - NIH NCC Meeting Agenda for March 3, 2005 Appendix B - NCC Meeting Attendees for March 3, 2005 Appendix C - SCINR Draft Proposal for a Workshop on Obesity Appendix D - Office of Dietary Supplements 2005 Spring Seminar Schedule Appendix E - ASCN Medical Nutrition Education Workshop

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APPENDIX A. NIH NCC MEETING AGENDA FOR MARCH 3, 2005 2:00-4:00 PM, Rockledge 2, Conference Room 9112-9116, Bethesda MD

1.	Welcome	Van Hubbard			
2.	Scientific Presentation	Brian Wansink, University of Illinois,			
	Urbana-Champaign				
3.	Approval of January 6, 2004 NCC	Meeting MinutesVan Hubbard			
4.	Development of Self-Administered, Automated 24-Hour				
	Dietary Recall	Nancy Potischman			
5.	Update of the 2005 Dietary Guide	lines for AmericansKathryn McMurry			
6.	Update from the NIH Office of Die	tary SupplementsPaul Coates			
7.	DNRC Activities Update				
	Nutrition Education Subcommitte	eJean Pennington			
	Subcommittee on International N	utrition ResearchDaniel Raiten			
	HNRIM	Jim Krebs-Smith			
8.	Reports from NCC Members and	LiaisonsNCC Members			
		Van Hubbard			
10.	Adjournment	Van Hubbard			

	Members Present	Members Absent	Alternates Prese
Chairperson:	V Hubbard		
<u>NIH Members:</u> NCI NHLBI	J Milner D Danford		
NIDCR NIDDK NINDS NIAID		R Nowjack-Rayner C Miles M Mitler M Plaut	R Kuczmarski
NIGMS NICHD NEI NIEHS		S Somers G Grave N Kurinij	D Raiten
NIA NIAMS NIDCD NIMH NIDA NIAAA NINR		J Finkelstein J McGowan B Wong P Muehrer G Lin V Purohit Y Bryan	R Breslow
NCCAM NCRR FIC NCHGR	M Klein	S Kayar N Tomitch K DeLeon	
NIH Liaison Members CC CIT	<u>s:</u> N Sebring	J Mahaffey	
CSR NLM	S Kim	S Phillips	
OBSSR OC	D Olster	' M Stern	
ODS OD/ODP OLPA ORWH	P Coates B Portnoy		
PRCC	M Vogel-Taylor		
Agency Liaison Repr CDC/NCCDPHP CDC/NCHS FDA	r <mark>esentatives:</mark> D Galuska K Ellwood	V Burt	S Blakely
HRSA IHS ODPHP	K McMurry	M Lawler T Brown	-
USDA DoD	M Kretsch	K Friedl	D Klurfeld

APPENDIX B. NCC MEETING ATTENDEES FOR MARCH 3, 2005 Members Present Members Absent Alternates Present

DNRC: W Johnson-Taylor, S Jennels, J Krebs-Smith, J Pennington, K Regan, L Somuah

<u>**Guests:</u>** T Agurs-Collins (NCI), N Ammary (ODPHP), C Davis (NCI), A Jerkins (CSR), S Krebs-Smith (NCI), N Potischman, K Stitzel, R Troiano (NCI), J Weber (ODPHP), S Yanovski, A Yaroch (NCI), B Wansink (UIL)</u>

APPENDIX C. SCINR DRAFT PROPOSAL FOR A WORKSHOP ON OBESITY

Obesity a Global Epidemic. The Role of Body Composition Assessment. Do Current Methods Measure Up?

Background:

Obesity has become recognized as a global problem that transcends borders and economics, with increasing prevalence in both the developed and developing world. The macro (economic) and micro (individual, genetic, environmental) causes may differ according to setting but the long-term health outcomes are presumably adverse irrespective of etiology. A need exists for a better understanding of how to identify the causes and manifestation of obesity across developmental, i.e., age, and geographic context has become a driving force in the biomedical research community globally. As a leader in biomedical research, the delineation of the role of NIH and the trans-NIH subcommittee on international nutrition research (SCINR) in advancing a research agenda to address obesity and its co-morbidities from a global perspective has become a high priority.

The SCINR is therefore proposing a conference/workshop to explore some of the critical elements of obesity and the current needs for development of effective evidencebased programs and policies both domestically and as a partner in the international health care community. The focus of this conference will be on the applicability and accuracy of currently available methods for assessment of body composition with a particular emphasis on the relevance and utility of body mass index (BMI) as a nutritional status assessment tool across geographical/genetic settings and the association of body composition to health outcomes.

The global themes would be in essence "Does one BMI size fit all?" What is the evidence base to support the use of BMI or any other measure of body composition as the universal screening tool for obesity and its co-morbidities? Within that theme, several sub-themes will be explored:

- At what level of BMI, does health risk increase?
- Does this level of risk vary, and how, according to setting, e.g., ethnic/genetic, industrialized versus emerging industrialized countries? What are the biological correlates?
- What is the developmental component, i.e., what is the timing of emergence of risk factors? At what age would interventions be appropriate? Prevention strategies?
- Prevention globally
- How can our understanding of the regional geographic, race/ethnic differential be informed by immigration and acculturation research?
- Is there a role for combined measures of BMI (height & weight) and fat distribution (circumference) in screening for risk?

These questions will be explored using a combination of plenary session presentations and working group deliberation on specific topics.

Draft Agenda:

Day 1:

Session I: Epidemiology of Obesity and co-morbidities

- Global data on prevalence and scope of the problem; geographic, ethnic/racial, and developmental perspectives
- Surveillance systems: WHO, US NHANES, is there a coordination; does there need to be?
- Overview of current programs/policies for prevention
- Overview of current programs/policies for treatment

Panel Discussion:

LUNCH

Session II: Biology of obesity: what's the connection between body composition and health?

- Developmental perspective; role of fetal environment, age of onset and long-term consequences
- Genetic racial variability and association with health
- Obesity and pregnancy: birth outcomes, maternal morbidity and mortality Working Group Session:1

All working group session will be consist of panel of experts and group discussion designed to address several key questions:

- Adequacy and implications of current data to support evidence-based programs and guidance
- Appropriateness of current programs and guidance
- Research needs: basic, clinical and operational research gaps.

Day 2

Session III: Current Methodologies: Issues regarding measurement

- What is currently being used for surveillance tools?
- What is currently being used for clinical care? Including developmental perspective, e.g., pregnancy, infancy, childhood etc.
- BMI: its use and relevance to health in context of surveillance and clinical care. Working Group Session II

Working Group Se

LUNCH

Session IV: Global strategies for prevention and treatment

- Prevention globally: overview of current strategies and proposed changes
- Impact of the economic development and the "nutrition transition on prevalence and programs
- Role of social/cultural factors including immigration and acculturation? Working Group Session III

Session V: Summary, Conclusions and Next Steps

APPENDIX C. Office of Dietary Supplements 2005 Spring Seminar Schedule, 11:00 AM to 12:00 Noon

January 19, 2005

Tsunenobu Tamura, M.D. Professor, Department of Nutritional Sciences Visiting Scientist from the University of Alabama Birmingham Office of Dietary Supplements National Institutes of Health Topic: Prenatal Zinc Supplementation, Fetal Growth and Neurodevelopment in Early Childhood Location: 6100 Executive Blvd., Room 2B03

February 9, 2005

James Harnly, Ph. D. Research Leader Food Composition Laboratory Beltsville Human Nutrition Research Center Agricultural Research Service U.S. Department of Agriculture Topic: Flavonoid Analysis: The Bitter and the Sweet Location: 6100 Executive Blvd., Room 2B03

<u>March 9, 2005</u> **Irwin H. Rosenberg, M.D.** Senior Scientist and Director, Nutrition and Neurocognition Laboratory Jean Mayer USDA HNRCA at Tufts University **Topic**: Vitamin B-12, Folate and Cognitive Performance **Location:** Neurosciences Building, Room D

<u>April 13, 2005</u> **Barry Halliwell, Ph. D.** Director Graduate School of Integrative Science and Engineering The National University of Singapore **Topic**: The Antioxidant Paradox: Implications for use of Dietary Supplements **Location:** Neurosciences Building, Room D

May 18, 2005 Lyle E. Craker Professor, Department of Plant and Soil Sciences University of Massachusetts at Amherst Topic: Black Cohosh: Genetic, Morphological, Chemical and Clinical Diversity

Location: 6100 Executive Blvd., Room 2B03

APPENDIX E. ASCN MEDICAL NUTRITION EDUCATION WORKSHOP San Diego Convention Center April 2, 2005 9:00 a.m. – 1:00 p.m.

An Evidence-Based Approach to Medical Nutrition Education

Current Highlights in Medical Nutrition Education:

- Linda Van Horn, Ph.D., R.D., Professor, Department of Preventive Medicine, Northwestern Medical School, Chicago, IL: *Overview and History of the Nutrition Academic Award Program 1998-2005*
- Brian Tobin, Ph.D., Chairman, Division of Basic Medical Sciences and Professor of Nutrition, Biochemistry, and Pediatrics, Mercer University School of Medicine, Macon, GA: *Outcomes of the NAA: The Nutrition Curriculum Guide for Training Physicians*
- Lisa Hark, Ph.D., R.D., Director, Nutrition Education and Prevention Program, University of Pennsylvania School of Medicine, Philadelphia, PA: *Nutrition and the USMLE*

Successful Implementation Strategies for Nutrition in the Undergraduate Medical Curriculum:

- Nancy Krebs, M.D., Associate Professor, Division of Pediatric Nutrition, Department of Pediatrics, University of Colorado Health Science Center, Denver, CO: *Integration of Nutrition into the Medical Curriculum*
- Marilyn Edwards, Ph.D., R.D., Associate Professor, Division of Gastroenterology, Hepatology, and Nutrition, Department of Internal Medicine, University of Texas Medical School, Houston, TX: *Problem Based Learning: A Model for Nutrition Education in Undergraduate Medical Training*
- Patrick McBride, M.D., M.P.H., Professor of Medicine and Director, Preventive Cardiology, Cardiovascular Medicine Section, University of Wisconsin Medical School, Madison, WI: *Virtual Nutrition Guides for Training Medical Students and Residents*
- Steven Zeisel, M.D., Ph.D., Professor and Chairman, Associate Dean for Research, Department of Nutrition, University of North Carolina, Chapel Hill, NC: *Models for Integration of the Nutrition in Medicine CDs into the Medical Curriculum*

Development of Nutrition Curriculum in Graduate Medical Education:

- Margo Woods, D.Sc. Professor, Department of Family Medicine and Community Health, Tufts University School of Medicine: *Nutrition and GME in Internal Medicine and Family Medicine*
- Darwin Deen, M.D., M.S., Associate Professor and Director, Division of Medical Student Education, Department of Family Medicine, Albert Einstein College of Medicine, Bronx, NY: *Competency-Based Assessment in GME*

Opportunities for Continuing Medical Education and Board Certification for Physicians in Nutrition:

- Arlo Kahn, M.D., Professor, Department of Family and Preventive Medicine, University of Arkansas for Medical Sciences, Little Rock AR: *Nutrition and CME*
- Douglas Heimburger, M.D., M.S., Departments of Nutrition Sciences and Medicine, University of Alabama at Birmingham: An Update on the Intersociety Professional Nutrition Education Consortium and the American Board of Physician Nutrition Specialists

Lessons Learned from Curriculum Enhancements in Nutrition:

- Sach St. Jeor, Ph.D., R.D., Professor and Chief, Division of Medical Nutrition and Director, Center for Nutrition and Metabolic Disorders, Department of Internal Medicine, University of Nevada School of Medicine, Reno, NV: *Surviving a Comprehensive Schoolwide Curriculum Review*
- Lisa Hark, Ph.D., R.D., Director, Nutrition Education and Prevention Program, University of Pennsylvania School of Medicine, Philadelphia, PA: *Political Strategies for Curriculum Enhancements*