

301-435-1465

U.S. Department of Health and Human Services

Agenda

National Cancer Institute

Public Health Service

Revised, June 23, 2004

Division of Cancer Prevention

Office of Preventive Oncology

National Institutes of Health





NCI Summer Curriculum in Cancer Prevention

Molecular Prevention Course

Date:	August 2 through 6, 2004
Time:	8:30 to 10:00 a.m. 10:30 to 12:00 p.m. 1:00 to 2:30 p.m. Each session is a different topic and speaker
Location:	Conference Room C and D 6001 Executive Boulevard Rockville, Maryland 20852 301-435-1465

Course Presented by:

Office of Preventive Oncology Division of Cancer Prevention	Douglas L. Weed, MD, MPH, PhD, Director Stephen Hursting, PhD, MPH, Deputy Director
National Cancer Institute	Shine Chang, PhD Associate Director
NIH/DHHS	Graça Dores, MD, MPH. Associate Director
6130 Executive Boulevard	Susan Perkins, PhD, Associate Director
EPN, Suite 3109	Barbara Redding Program Coordinator
Bethesda, Maryland 20892-7361	Susan Winer, Program Specialist
Telephone: 301-496-8640	Lisa Poe, Program Assistant
Fax: 301-402-4863	Karen Mayer, Summer Intern
http://cancer.gov/prevention/pob	Maya Vadiveloo, Summer Intern

Educational Objective

The overall objective of the course is to provide specialized instruction in principles of molecular biology as applied in the field of cancer prevention. The course focuses on the concepts and methods, issues, and applications of molecular biology in cancer prevention efforts and genetics of cancer. Participants have an opportunity to gain a broad-based perspective of these subject areas, including basic laboratory methodology and theory of how molecular techniques are applied to molecular epidemiology, bionutrition, chemoprevention, biomarkers, and translational research. Life-long learning skills include critical appraisal of molecular approaches, methodologies, and theory used in the field of cancer prevention.

The National Institutes of Health/Foundation for Advanced Education in the Sciences (NIH/FAES) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The target audiences are MDs and PhDs with an MPH degree, who were selected into the Cancer Prevention Fellowship Program; MDs and PhDs with an interest in cancer prevention and control from the NIH and the NCI, national organizations, and foreign institutions.

If you have a disability and require any assistive device, services or other reasonable accommodation to participate in this activity, please contact the Office of Preventive Oncology at 301-496-8640 at least one week in advance of the lecture date to discuss your needs.

NCI Summer Curriculum in Cancer Prevention and Control

Molecular Prevention Course

Monday, August 2, 2004

(8:30-10:00 am)	Introduction/ Course Overview and Molecular Biology Primer	Stephen Hursting, PhD, MPH		
Break				
(10:30-12:00 pm)	Cancer from a Biosystem Perspective	J. Carl Barrett, PhD		
Lunch				
(1:00-2:30 pm)	Oncogenes, Tumor Suppressor Genes, and Other Cancer Related Genes	Michael Birrer, MD		
<u>Tuesday, Aug</u>	<u>ust 3, 2004</u>			
(8:30-10:00 am)	Cell Cycle Regulation and Apoptosis: Avenues for Prevention	Henry Thompson PhD		
Break				
(10:30-12:00 pm)	Xenobiotic Metabolism and Cancer Susceptibility	Thomas Kensler, PhD		
Lunch				
(1:00-2:30 pm)	Inflammation and Cancer	Susan Fischer, PhD		
Wednesday, August 4, 2004				
(8:30-10:00 am)	Hormonal Carcinogenesis	Robin Fuchs-Young, PhD		
Break				
(10:30-12:00 pm)	The Immune System as a Target for Vaccine and Prevention Approaches	Jack Greiner, PhD		
Lunch				
(1:00-2:30 pm)	Emerging Targets for Chemoprevention	Asad Umar, DVM, PhD		

Thursday, August 5, 2004

(8:30-10:00)	Animal Models for Cancer Prevention Studies	Jeffrey Green, MD
Break		
(10:30-12:00 pm)	Molecular Target Identification: Implication for Prevention Research	Patricia Steeg, PhD
Lunch		
(1:00-2:30 pm)	Application of Genomics and Proteomics to Cancer Research	Elise Kohn, MD
Friday, Augus	<u>t 6, 2004</u>	
(9:30-10:30 am)	Molecular Epidemiology: The Integration of Molecular Markers into Population Studies I	Nathaniel Rothman,
Break		
(10:45-12:00 pm)	Molecular Epidemiology: The Integration of Molecular	Nathaniel Rothman.

(9:30-10:30 am)	Molecular Epidemiology: The Integration of Molecular Markers into Population Studies I	Nathaniel Rothman, MD
Break		
(10:45-12:00 pm)	Molecular Epidemiology: The Integration of Molecular Markers into Population Studies II	Nathaniel Rothman, MD

(1:00-2:30 pm) Optional: NIH Tour

Faculty

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