

Cancer Prevention Fellowship Program

NCI Summer Curriculum in Cancer Prevention

Principles and Practice of Cancer Prevention and Control Course

July 6 – July 31, 2015

Course Syllabus
2015

6001 Executive Boulevard
Rockville, MD 20852

*U.S. Department of Health and Human Services
National Institutes of Health
National Cancer Institute
Division of Cancer Prevention
Cancer Prevention Fellowship Program*

Principles and Practice of Cancer Prevention and Control Course

Date: July 6 – July 31, 2015

Location: 6001 Executive Boulevard
Rooms C & D
Rockville, MD 20852
Security/Check-in Desk – (301) 435-1470

Course Director: Lisa B. Signorello, ScD, ScM
Deputy Director, Cancer Prevention Fellowship Program

Course Coordinator: Aili Ellen Evert

Course presented by:

Cancer Prevention Fellowship Program

David E. Nelson, MD, MPH
Director

Division of Cancer Prevention

National Cancer Institute
National Institutes of Health
Room 2W-136, MSC 9712
9609 Medical Center Drive
Bethesda, MD 20892-9712
Telephone: 240-276-5626
Fax: 240-276-7883
Email: cpfpcoordinator@mail.nih.gov
<http://cancer.gov/prevention/pob>

Program Staff:
Aili Ellen Evert
Annalisa Gnoleba
Brittany Myers
Wynonah Sessoms

Monday, July 6

8:30 a.m.-9:00 a.m.	Welcome	David E. Nelson, MD, MPH
9:00 a.m.-10:15 a.m.	The Science of Cancer Prevention	Barry Kramer, MD, MPH
10:15 a.m.-10:45 a.m.	Break	
10:45 a.m.-12:15 p.m.	Transdisciplinary Cancer Prevention Research and the NCI Summer Curriculum Experience	Jessica Faupel-Badger, PhD, MPH
12:15 p.m.-1:30 p.m.	Lunch	
1:30 p.m.-3:00 p.m.	Overview of Cancer Prevention from a Behavioral Scientist's Perspective	Linda Nebeling, PhD, MPH, RD
3:00 p.m.-3:45 p.m.	NCI's Role in Cancer Control	Robert Croyle, PhD
4:00 p.m.	International Participants Orientation (including Ireland and Northern Ireland Participants)	CGH Staff

Tuesday, July 7

8:30 a.m.-10:00 a.m.	Introduction to Epidemiology	Lisa Signorello, ScD, ScM
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Observational/Experimental Studies	Lisa Signorello, ScD, ScM
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Analysis and Bias Interpretation of Epidemiologic Data	Lisa Signorello, ScD, ScM
2:30 p.m.-3:00p.m.	Small Group Intro	NCI Cancer Prevention Fellows

Wednesday, July 8

8:30 a.m.-10:00 a.m.	Questionnaire Design in Cancer Control and Prevention	Gordon Willis, PhD
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Interpreting Scientific Evidence for Cancer Prevention	Douglas Weed, MD, PhD, MPH
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Pathogens and Cancer, including HIV and Cancer	Charles Rabkin, MD

Thursday, July 9

8:30 a.m.-10:00 a.m.	Liver Cancer	Christopher Loffredo, PhD, MS
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Cervical Cancer	Phil Castle, PhD, MPH
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:00 p.m.	Gastric Cancer	Gwen Murphy, PhD, MPH
2:30 p.m.-3:30 p.m.	Nigerian Collaboration	Rafael Guerrero-Preston, DrPH, MPH

Friday, July 10

8:30 a.m.-10:00 a.m.	Role of NCI in Global Cancer Prevention	Edward Trimble, MD, MPH
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	International Cancer Resource Networks	Tom Gross, MD, PhD
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-3:30 p.m.	<i>International Day – Presentations</i>	<i>To Be Announced</i>

Monday, July 13

8:30 a.m.-10:00 a.m.	Nutrition Epidemiology Overview	Demetrius Albanes, MD
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Dietary Patterns	Jill Reedy, PhD, MPH, RD
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Nutrigenomics and Cancer Prevention	Sharon Ross, PhD
2:30 p.m.-3:30 p.m.	Physical Activity Assessment	Heather Bowles, PhD

Tuesday, July 14

8:30 a.m.-10:00 a.m.	Physical Activity in the Prevention and Control of Cancer	Charles Matthews, PhD
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Translating Evidence into Diet and Physical Activity Guidelines	Sue Krebs-Smith, PhD Rick Troiano, PhD

12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Obesity Policy Research	Robin McKinnon, PhD, MPA
2:30 p.m.-3:30 p.m.	NIH Grant Process*	Damali Martin, PhD

Wednesday, July 15

8:30 a.m. – 10:00 a.m.	Small Group Discussion	
10:00 a.m. – 10:30 a.m.	Break	
10:30 a.m. – 12:00 p.m.	Head and Neck Cancer	Anil Chaturvedi, PhD
12:00 p.m. – 1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Radiation and Cancer	Alina Brenner, MD, PhD, MPH

Thursday, July 16

8:30 a.m.-10:00 a.m.	Colon Cancer	Adeyinka Laiyemo, MD, MPH
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Breast Cancer	Barbara Dunn, MD, PhD
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-3:00 p.m.	Prostate Cancer	Howard Parnes, MD

Friday, July 17

8:30 a.m. – 10:00 a.m.	Health Education/Health Promotion and Their Role in Cancer Prevention	Brian Rivers, PhD, MPH
10:00 a.m. – 10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Community-Based Participatory Research	Erin Kobetz, PhD, MPH
12:00 p.m.-1:00 p.m.	Lunch	

1:00 p.m.-4:00 p.m.	Optional Social Activity: Smithsonian American Art Museum 8th and F Streets, NW, Washington, DC 20004
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* This lecture is optional for domestic participants and CFPF fellows.

Monday, July 20

8:30 a.m.-10:00 a.m.	Tobacco Prevention and Cessation	Erik Augustson, PhD, MPH
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Global Tobacco Control	Michele Bloch, MD, PhD
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Alcohol	David E. Nelson, MD, MPH
2:30 p.m.-3:30 p.m.	Cancer Drug and Clinical Trials Development	Jack Welch, MD, PhD

Tuesday, July 21

8:30 a.m.-10:00 a.m.	Lung and Upper Aerodigestive Cancers	Eva Szabo, MD
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Occupation and Cancer	Aaron Blair, PhD, MPH
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Risk Modeling	Mitch Gail, MD, PhD

Wednesday, July 22

8:30 a.m.-10:00 a.m.	Interpreting Screening Data	Jennifer Rider, ScD, MPH
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Cancer Screening Trials	Paul Pinsky, PhD, MPH
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Small Group Discussion	
2:30 p.m.-3:30 p.m.	To Be Announced	Kellie Mullen, PhD

Thursday, July 23 – Please note **all** lectures this Thursday are held in Masur Auditorium on the NIH main campus.

8:30 a.m.-10:00 a.m.	Cancer Survivorship: The Emerging Challenge For Cancer Prevention and Control Science	Julia Rowland, PhD
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Community Clinical Trials	Ann O'Mara, PhD, RN, FAAN
12:00 p.m.-1:00 p.m.	Lunch	

Special Lecture: Annual Advances in Cancer Prevention

Masur Auditorium

3:00 p.m.- 4:00 p.m. HPV Vaccination: Preventing More with Less Douglas Lowy, MD

Friday, July 24

8:30 a.m.-10:00 a.m. Social Determinants of Health in Cancer Control Shobha Srinivasan, PhD

10:00 a.m.-10:30 a.m. **Break**

10:30 a.m.-12:00 p.m. Health Literacy Connie Lea Arnold, PhD

12:00 p.m.-1:00 p.m. **Lunch**

1:00 p.m.-3:30 p.m.
(2.5 Hours) Health Services Resources Robin Yabroff, PhD, MBA
Carrie Klabunde, PhD, MHS, MBA

Monday, July 27

8:30 a.m.-10:00 a.m. Clinical Cancer Prevention Ernest Hawk, MD, MPH

10:00 a.m.-10:30 a.m. **Break**

10:30 a.m.-12:00 p.m. Current Status and Future Directions in Cancer Prevention Asad Umar, DVM, PhD

12:00 p.m.-1:00 p.m. **Lunch**

1:00 p.m.-2:30 p.m. Chemoprevention, Metformin and Other Pharmacological Agents Brandy Heckman-Stoddard, PhD, MPH

2:30 p.m.-3:30 p.m. SEERStat and HD Calc Erin Kent, PhD, MS

Tuesday, July 28

8:30 a.m.-10:00 a.m. Dissemination and Implementation Research in Health Gila Neta, PhD, MPP

10:00 a.m.-10:30 a.m. **Break**

10:30 a.m.-12:00 p.m. Thyroid Cancer Cari Kitahara, PhD, MHS

12:00 p.m.-1:00 p.m. **Lunch**

1:00 p.m.-2:30 p.m. The Challenge of Cancer Avoidance and Successful Aging in a U-Shaped World David Waters, DVM, PhD

Wednesday, July 29

8:30 a.m.-10:00 a.m.	Melanoma	Alan Geller, MPH, RN
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Small Group Discussions	
12:00 p.m.-1:00 p.m.	Lunch	
1:00 p.m.-2:30 p.m.	Cancer Surveillance	Kathleen Cronin, PhD, MPH
2:30 p.m.-3:30	Palliative Care/Pain Control	Joe Harford, PhD

Thursday, July 30

8:30 a.m.-10:00 a.m.	Harnessing the Power of an Intelligent Health Environment in Cancer Control and Prevention	Bradford Hesse, PhD
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Environmental Pollutants	Qing Lan, MD, PhD
12:00 p.m. -1:00 p.m.	Lunch	
1:00 p.m.-3:45 p.m. (2 ¾ Hours)	Team Science	Kara Hall, PhD

Friday, July 31

8:30 a.m.-10:00 a.m.	Cancer Screening	Otis Brawley, MD, FACP
10:00 a.m.-10:30 a.m.	Break	
10:30 a.m.-12:00 p.m.	Cancer Prevention in the 21st Century: The Cancer Preventorium Idea	Elmer Huerta, MD, MPH
12:00 p.m. -12:15 p.m.	Closing Remarks	David E. Nelson, MD, MPH