NATIONAL CANCER INSTITUTE

DIVISION OF CANCER PREVENTION

Cancer Prevention Fellowship Program

2016 Summer Curriculum in Cancer Prevention

MOLECULAR PREVENTION COURSE

AUGUST 1- 5, 2016

SYLLABUS

Molecular Prevention Course Syllabus

DRAFT

(June 23, 2016)

Date: August 1 – August 5, 2016

Time: Course begins daily at 9:30 am

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

Course Director: Lisa B. Signorello, ScD, ScM

Course Coordinators: Aili Ellen Evert
Emilia Kaslow-Zieve

Course presented by: Cancer Prevention Fellowship Program

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Monday, August 1

9:30 am – 9:45 am	Welcoming Remarks/Course Overview	Lisa B. Signorello, ScD, ScM
9:45 am - 11:00 am	Molecular Basis of Carcinogenesis	Goli Samimi, PhD, MPH
11:00 am - 11:30 am	*Break*	
11:30 am - 12:45 pm	Molecular Pathology in Prevention Research	Mark Sherman, MD
12:45 pm - 1:45 pm	*Lunch*	
1:45 pm – 3:00 pm	Applying Molecular Markers within Population-Based	Gretchen Gierach, PhD, MPH

Tuesday, August 2

9:30 am - 10:45 am	NCI's Early Detection Research Network	Sudhir Srivastava, PhD, MPH
10:45 am - 11:15 am	*Break*	
11:15 am - 12:30 pm	Epigenetics in the Precision Medicine Era	Lifang Hou, MD, PhD, MS
12:30 pm - 1:30 pm	*Lunch*	
1:30 pm - 2:45 pm	Telomeres and Cancer	Bari Ballew, PhD

Wednesday, August 3

9:30 am - 10:45 am	Nutrigenomics	Sharon Ross, PhD, MPH
10:45 am - 11:15 am	*Break*	
11:15 am - 12:30 pm	Image-based Phenotyping using Radiomics	Hugo Aerts, PhD, MSc
12:30 pm - 1:30 pm	*Lunch*	
1:30 pm - 2:45 pm	microRNAs (miRNAs) and Long Non-coding RNAs (lncRNAs)	Ashish Lal, PhD
3:00 pm	Group Photos	

Thursday, August 4

9:30 am - 10:45 am	Human Microbiome and Cancer Prevention	Emily Vogtmann, PhD, MPH
10:45 am - 11:15 am	*Break*	
11:15 am - 12:30 pm	Metabolomics and Cancer	Mary Playdon, PhD, MPH
12:30 pm - 1:30 pm	*Lunch*	
1:30 pm - 2:45 pm	Cancer Moonshot – The Genomic Data Commons and Precision Prevention	Warren Kibbe, PhD

Friday, August 5

9:30 am - 10:45 am	Reproducibilty in 'Omics Studies	Lisa McShane, PhD
10:45 am - 11:15 am	*Break*	
11:15 am - 12:30 pm	Cancer Immunoprevention	Sasha Stanton, MD, PhD
12:30 pm - 1:30 pm	*Lunch*	
1:30 pm - 2:45 pm	Translational Genomics	Stephen Chanock, MD
2:45 pm	Closing Remarks	Lisa B. Signorello, ScD, ScM