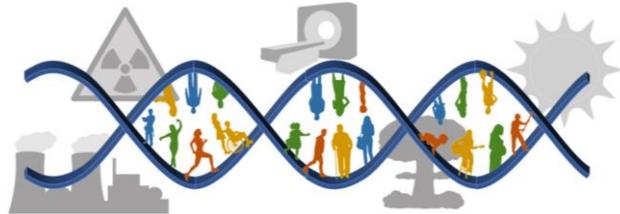


# Radiation Epidemiology & Dosimetry Course

September 9-12, 2019

NCI Shady Grove, 9609 Medical Center Drive, Rockville, MD



## Day One: Monday, September 9, 2019

### Fundamentals of Radiation Epidemiology, Dosimetry, and Risk Modeling

Topic	Time	Speaker
<b>Registration</b>	<b>8:00 - 9:00</b>	
Principles of epidemiology	9:20 - 10:20	Martha Linet, M.D., M.P.H.
<b>Break</b>	<b>10:20 - 10:40</b>	
Principles of radiation physics and dosimetry	10:40 - 12:00	Matthew Mille, Ph.D.
<b>Lunch on your own</b>	<b>12:00 - 1:00</b>	
Radiation risk modeling	1:00 - 2:20	Ethel Gilbert, Ph.D.
<b>Break</b>	<b>2:20 - 2:40</b>	
Introduction to <i>EPICURE</i> (with 10 min break midway)	2:40 - 5:00	Dale Preston, Ph.D.

## Day Two: Tuesday, September 10, 2019

### Overview of Radiation Health Effects & Exposure Assessment

Topic	Time	Speaker
<b>Registration</b>	<b>8:00 - 9:00</b>	
Radiation and cancer risks	9:00 - 10:20	Sara Schonfeld, Ph.D.
<b>Break</b>	<b>10:20 - 10:40</b>	
Radiation and risk of non-cancer diseases	10:40 - 12:00	Anssi Auvinen, M.D., Ph.D.
<b>Lunch on your own</b>	<b>12:00 - 1:00</b>	
Radiobiology	1:00 - 2:00	David Brenner, Ph.D.
Radiation exposure assessment	2:00 - 2:40	Choonsik Lee, Ph.D.
<b>Break</b>	<b>2:40 - 3:00</b>	

### Medical Radiation Exposure - Diagnostic

Topic	Time	Speaker
Diagnostic radiation exposures and cancer risks	3:00 - 4:00	Lene Veiga, Ph.D.
Dosimetry for epidemiologic studies of diagnostic radiation exposures	4:00 - 4:40	David Borrego, Ph.D.

## Day Three: Wednesday, September 11, 2019

### Medical Radiation Exposure - Therapeutic

Topic	Time	Speaker
<b>Registration</b>	<b>8:00 - 9:00</b>	
Cancer risks from conventional radiotherapy	9:00 - 9:50	Flora van Leeuwen, Ph.D.
Cardiac effects of radiation therapy	9:50 - 10:40	Carolyn Taylor, D.Phil.
<b>Break</b>	<b>10:40 - 11:00</b>	
Dosimetry for epidemiologic studies of conventional radiotherapy	11:00 - 11:40	Rebecca Howell, Ph.D.
<b>Lunch on your own</b>	<b>11:40 - 12:40</b>	
Cancer and non-cancer risks from emerging radiotherapy techniques	12:40 - 1:10	Amy Berrington, D.Phil.
Dosimetry for epidemiologic studies of emerging radiotherapy	1:10 - 1:40	Yeon Soo Yeom, Ph.D.

### Occupational Radiation Exposure

Topic	Time	Speaker
Cancer and non-cancer risks among medical workers	1:40 - 2:20	Cari Kitahara, Ph.D.
Dosimetry for epidemiologic studies of medical workers	2:20 - 2:50	Daphnée Villongo, Ph.D.
<b>Break</b>	<b>2:50 - 3:10</b>	
Cancer and non-cancer risks among nuclear workers	3:10 - 4:00	David Richardson, Ph.D.
Dosimetry for epidemiologic studies of nuclear workers	4:00 - 4:30	Robert Daniels, Ph.D.
Potential for cancer and non-cancer risks among space workers	4:30 - 5:00	Mark Little, D.Phil.

## Day Four: Thursday, September 12, 2019

### Environmental Radiation Exposure

Topic	Time	Speaker
<b>Registration</b>	<b>8:00 - 9:00</b>	
Cancer and non-cancer risks after nuclear accidents	9:00 - 9:50	Maureen Hatch, Ph.D.
Dosimetry for epidemiologic studies of environmental exposures	9:50 - 10:20	Vladimir Drozdovitch, Ph.D.
<b>Break</b>	<b>10:20 - 10:40</b>	
Cancer and non-cancer risks in the A-bomb survivors	10:40 - 11:20	Dale Preston, Ph.D.
Cancer risks from natural background radiation and radon	11:20 - 12:00	Gerry Kendall, Ph.D.
<b>Lunch on your own</b>	<b>12:00 - 1:00</b>	

### Susceptibility to Radiation Health Effects

Topic	Time	Speaker
Genetic and genomic laboratory tools	1:00 - 1:50	Meredith Yeager, Ph.D.
Genetics of radiation-related cancer	1:50 - 2:40	Lindsay Morton, Ph.D.
<b>Break</b>	<b>2:40 - 3:00</b>	
Genetics of radiation-related non-cancer diseases	3:00 - 3:30	Catharine West, Ph.D.

### Non-ionizing Radiation

Topic	Time	Speaker
Ultraviolet (UV) light dosimetry and epidemiology	3:30 - 4:15	Lisa Cahoon, Ph.D.
Cell phones and cancer risk	4:15 - 5:00	Anssi Auvinen, M.D., Ph.D.