

2019 CPFP FALL TRAINING: DATA SCIENCE AND THE CANCER PREVENTION RESEARCHER

Location: NCI Shady Grove, Training Room 2W-908
Date: Tuesday, September 10, 2019
Time: 9:00am – 2:35pm
Facilitator: Dr. Barbara Dunn

Agenda Items

9:00am – Opening Remarks & Speaker Introductions

9:05 am

Presenter: Barbara Dunn, MD, PhD

9:05am – Data Science Overview

9:35 am

Presenter: Jonas De Almeida, PhD

Presentation Objective: Fellows will be able to construct an understanding of data science from conception to application.

9:35 am – Which Machine Learning Strategy is Right for Me?

10:00 am

Presenter: Martin Skarzynski, PhD, MPH

Presentation Objective: Fellows will be able to identify opportunities for the application of machine learning.

10:00 am – Break

10:15 am

Rapid Fire Presentations: Answering Questions with Data science

Presentation Objective: Fellows will be able to make connections between real-world applications of data science strategies and their own research.

10:15 am - Introductions

10:20 am

- 10:20 am- 10:45 am** **Presenter 1: Subha Madhavan, PhD**, Georgetown Chief Data Scientist at the Georgetown University Medical Center, and Director of the Innovation Center for Bioinformatics.
- 10:45 am- 11:05 am** **Presenter 2: Eliot Siegel, MD**, University of Maryland School of Medicine, Department of Diagnostic Radiology, as well as Chief of Radiology and Nuclear Medicine for the Veterans Affairs Maryland Healthcare System, Baltimore, Maryland.
- 11:05 am- 11:45 pm** **Presenter 3: Jonas Almeida, PhD**, Chief Data Scientist, Division of Cancer Epidemiology and Genetics, National Cancer Institute, NIH
- 11:45 am- 12:00 pm** **Questions and Answer Session**
- 12:00am – 12:15 pm** **Group Photo**
- 12:15pm – 1:15 pm** **Lunch with Speakers (Rooms 2W-032/034, Huddle Room)**
- 1:15 pm – 2:30 pm** **Panel Discussion: Machines or Humans? Implications for the Biomedical Researcher**
- Moderator:** Barbara Dunn, MD, PhD
- Panelists:** Presenters from the rapid fire presentations (Drs. Siegel, Almeida, and Madhavan). Additional panelists with proven history of data ethics publications may be added.
- Presentation Objective:** Fellows will be able to evaluate multiple viewpoints regarding the ethical, fiscal, data quality impacts of data science.
- 2:30pm – 2:35pm** **Concluding Remarks**
- Presenter:** Jonas De Almeida, PhD