COURSE OVERVIEW

The course has been developed to allow imagers to gain the skills necessary to analyze Biomedical Big Data and perform comparative effectiveness research to demonstrate the impact and value of imaging.

The course uses an innovative hybrid on-line and in-person method of learning. There are five individual courses that will each consist of approximately 16–20 hours of on-line didactics followed by a two-day interactive in-person component. The topics of the five courses are as follows:

1. Decision Analysis and Implementation Science
2. Value Assessment and Cost Effectiveness Analysis
3. Evidence Synthesis and Systematic Review
4. Principles of Big Data Analytics
5. Big Data Analytics — Applications
Value of Imaging through Comparative Effectiveness (VOICE): A Collaborative Training Program in Biomedical Big Data and Comparative Effectiveness Research

Course Director
R. Scott Braithwaite MD, MSc, FACP
Chief, Division of Comparative Effectiveness and Decision Sciences
Professor of Population Health and Medicine
Department of Population Health
NYU School of Medicine

Course Faculty
Constantin Aliferis, MD, MS, PhD, FACMI
Professor of Medicine, Chief Research Informatics Officer, CTSI, Director, Institute for Health Informatics
Chief Data Analytics Officer
M-Health at the University of Minnesota Medical School

Alexander Alekseyenko, PhD
Associate Professor, Department of Medicine, Division of Translational Medicine, Center for Health Informatics and Bioinformatics
NYU School of Medicine

Yindalon Aphinyanaphongs, MD, PhD
Assistant Professor
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Director of Clinical Translational Data Science
Center for Healthcare Innovation and Delivery Science
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Director of Research of the Cardiac Catheterization Laboratory
Director of Cardiovascular Outcomes Group
NYU School of Medicine

David Fenyö, PhD
Professor, Department of Biochemistry and Molecular Pharmacology
Interim Director of the Center for Health Informatics and Bioinformatics (CHIBI)
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James Rawson, MD
Warren Professor and Chair, Department of Radiology
Medical College of Georgia, Georgia Regents University (GRU)

Course Leader & Founder
Michael P. Recht, MD
Louis Marx Professor and Chairman, Department of Radiology
NYU Langone Medical Center
COURSE DESCRIPTION
This program will begin in January of 2017. Each course will take place in an 8–10 week time period so that the complete curriculum of all five courses will be completed in approximately a 12 month period. Four of the five in person sessions will take place at NYU Langone Medical Center with the fifth course taking place at the RSNA national meeting. Faculty for the courses will be national experts in both comparative effectiveness and big data analytics. The course director will be R. Scott Braithwaite, the Chief of the Division of Comparative Effectiveness and Decision Sciences in the Department of Population Health at the NYU School of Medicine. Dr. Braithwaite is the Past-President of the Society for Medical Decision Making (a key professional society aiming to improve decisions in health care, and the professional society home of multiple members of the PCORI Methodology Committee), and serves as the Comparative Effectiveness Liaison of the NYU CTSI. The leaders of the big data analytics courses are Constantin Aliferis, MD, PhD and Yindalon Aphinyanaphongs, MD, PhD. Dr. Aliferis is Professor of Medicine, Chief Research Informatics Officer, CTSI, Director, Institute for Health Informatics and Chief Data Analytics Officer, M-Health at the University of Minnesota Medical School. Dr. Aphinyanaphongs, MD, PhD, Director of the Evidence-Based Medicine Information Retrieval and Scientometrics Laboratory (EBMIRSL) in the Center for Health Informatics and Bioinformatics (CHIBI) at NYU School of Medicine.

IN-PERSON SEMINAR DATES (SAT–SUN)
3/25–26, 2017 (NYU — 550 First Ave)
6/24–25, 2017 (NYU — 550 First Ave)
9/9–10, 2017 (NYU — 550 First Ave)
11/25–26, 2017 RSNA
3/3–4, 2018 (NYU — 550 First Ave)

MENTORSHIP
Following completion of the five course program, interested attendees will be matched with and work one-on-one with a national mentor in Comparative Effectiveness Research and/or big data analytics for a one year period on a CER and/or big data analytics research project of their choice. Each mentee will present the results of their research project at a symposium at the AUR national meeting at the end of their mentorship year.

REGISTRATION TUITION
Tuition for the program will be $2,500 for the 1 year hybrid on-line and in person didactive sessions. Tuition for the one-on-one year of mentorship will be $5,000. Spaces in both programs are limited to maximize the learning experience for attendees. This program is supported by a R25 NIH grant from NIBIB and a strategic alignment grant from the AUR.

TRAVEL AND ACCOMMODATIONS
Please visit www.med.nyu.edu/courses/cme/voice for more information.

CONTACT
For more information and to register, please visit: http://www.med.nyu.edu/courses/cme/voice
For questions: Michelle.Koplik@nyumc.org
Phone: 212-263-3936
An Advanced Training and Mentorship Program in Comparative Effectiveness Research and the use of Biomedical Big Data developed specifically for Imagers!

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http://www.med.nyu.edu/courses/cme/voice