

**National Institute of Nursing Research (NINR)  
2014 Big Data in Symptoms Research Boot Camp**

**Monday July 21, 2014**

**FAES Academic Center, Rooms 1-4, 10 Center Drive (NIH Medical Center) Basement Level**

**INTRODUCTION & FOUNDATION TO THE ERA OF BIG DATA**

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
7:30am	-----	Registration Desk Open
8:00 – 8:50	Meet & Greet -----	All participants
8:50 – 9:00	Opener, Introductions -----	Christina Farias, FAES Executive Director
9:00 – 9:30	Welcome & Program Overview -----	Patricia Grady, PhD NINR Director
9:30 – 10:30	Introduction to “Big Data”-----	Jay Liebowitz, PhD Harrisburg University
10:30– 11:30	Big Data Analytics for Healthcare -----	Bonnie Westra, PhD University of Minnesota
11:30– 12:30	Big Data in Nursing Research -----	Patricia Brennan, PhD University of Wisconsin-Madison
12:30 – 1:30	LUNCH	
1:30 – 2:45	Nursing & Health Informatics: Empowering Research -----	Connie Delaney, PhD University of Minnesota
2:45 – 3:00	BREAK	
3:00 – 4:00	Principles and Examples of Biomedical Terminologies -----	Jim Cimino, M.D. National Library of Medicine
4:15 – 5:15	Big Data, Symptom Science, and Health Disparities: The Promise and the Peril -----	Susan Bakken, PhD Columbia University

**Tuesday July 22, 2014**

**FAES Academic Center, Rooms 1-4, 10 Center Drive (NIH Medical Center) Basement Level**

**CLINICAL PRACTICE: BIG DATA IN SYMPTOM RESEARCH**

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
8:30 – 9:45	Research Use of Clinical Data -----	Clement McDonald, M.D. National Library of Medicine
9:45 – 11:00	Integrating Symptom Science with Big Data ----	Dianne Reeves, MSN, NCI Center for Bioinformatics
11:00– 11:15	BREAK	
11:15– 12:30	Healthcare Analytics and Patient Outcomes----	Bonnie Westra, PhD University of Minnesota
12:30 – 1:30	LUNCH	
1:30 – 2:45	The Emerging Roles of Nurse Informatics -----	Patricia Abbott, PhD University of Michigan
2:45 – 3:00	BREAK	
3:00 – 4:15	Becoming a Data Scientist -----	Patty Mabry, PhD NIH Office of Disease Prevention

**Wednesday July 23, 2014**

**FAES Academic Center, Rooms 1-4, 10 Center Drive (NIH Medical Center) Basement Level**

**ETHICAL, LEGAL, AND REGULATORY ASPECTS IN DATAUSE**

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
8:30 – 9:45	Ethics in Healthcare Technology Management -----	Pablo Molina, PhD Georgetown University
9:45– 11:00	Health Databases & Clinical Decision Support -----	Jean Stanford, M.S. Georgetown University
11:00–11:15	BREAK	
11:15- 12:30	Management of Technology in Nursing -----	Beverly Magda, PhD & Kevin McDonald, M.S. Georgetown University
12:30– 1:30	LUNCH	
1:30 – 2:45	Regulatory Implications: How Can Computerized Systems Be Used in FDA Regulated Clinical Investigations? -----	Jonathan Helfgott, M.S. Johns Hopkins Univ.
2:45 – 3:00	Break	
3:00 – 4:45	Healthcare Analytics Software: Getting Tangible Results – Panel Discussion:	
	▪ Jean Stanford , Moderator, Georgetown University	
	▪ Peter Mork, PhD, Noblis Biomedical Information Management	
	▪ Paul Quigley, RN, Cornerstone Healthcare Consulting	

**National Institute of Nursing Research (NINR)  
2014 Big Data in Symptoms Research Boot Camp**

**Thursday July 24, 2014**

**Building 60, 1 Cloister Court, Room: Lecture Hall**

**DATA MINING AS A TOOL FOR RESEARCH & KNOWLEDGE DEVELOPMENT**

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
8:30 – 9:45	Human Genomes and Big Data Challenges -----	Philip Bourne, PhD NIH Associate Director for Data Science
9:45 – 11:00	Incidental Findings Related to Whole Genome Sequencing -----	Ann Cashion, PhD NINR
11:00– 11:15	BREAK	
11:15– 12:30	Genetic Testing Registry -----	Wendy Rubinstein, PhD, NIH
12:30 – 1:30	LUNCH	
1:30 – 2:30	Lab Rotation I	
	<ul style="list-style-type: none"> <li>• <u>Group A</u>: Lab I - Data Exercise I – (genomic dataset) --- Medha Bhagwat, PhD, NIH <i>Location: Building 10, NIH Library, Room 1L13F</i></li> <li>• <u>Group B</u>: Lab II - Data Exercise II (coding clinical data) --Jim Cimino, M.D., NIH <i>Location: Building 60, 1 Cloister Court Room 134</i></li> <li>• <u>Group C</u>: Tour of the National Institutes of Health Clinical Center</li> </ul>	
2:45 – 3:45	Lab Rotation II	
	<ul style="list-style-type: none"> <li>• <u>Group A</u>: Tour of the National Institutes of Health Clinical Center</li> <li>• <u>Group B</u>: Lab I - Data Exercise I – (genomic dataset) ----- Medha Bhagwat, PhD, NIH <i>Location: Building 10, NIH Library, Room 1L13F</i></li> <li>• <u>Group C</u>: Lab II - Data Exercise II (coding clinical data) ---- Jim Cimino, M.D., NIH <i>Location: Building 60, 1 Cloister Court Room 134</i></li> </ul>	
4:00 – 5:00	Lab Rotation III	
	<ul style="list-style-type: none"> <li>• <u>Group A</u>: Lab II - Data Exercise II (coding clinical data) ----- Jim Cimino, M.D., NIH <i>Location: Building 60, 1 Cloister Court Room 134</i></li> <li>• <u>Group B</u>: Tour of the National Institutes of Health Medical Center</li> <li>• <u>Group C</u>: Lab I - Data Exercise I – (genomic dataset) ----- Medha Bhagwat, PhD, NIH <i>Location: Building 10, NIH Library, Room 1L13F</i></li> </ul>	

**Friday July 25, 2014**

**Building 60, 1 Cloister Court, Room: Lecture Hall**

**BRINGING IT ALL TOGETHER**

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
8:30– 9:45	Outcomes of Big Data -----	Sandra Mitchell, PhD
9:45– 12:00	Boot camp Summary -----	Lyn Hardy, PhD
12:00–1:00	LUNCH	
1:00 – 4:30	Presentations and Panel Q&A:	

**Funding Opportunities for Training, Career Development, and Big Data Research**

- National Institute of Nursing Research (NINR) -----  
-----  
-----  
Martha Matocha, PhD  
David Banks, PhD  
Sue Marden, PhD
- National Library of Medicine (NLM) -----  
Valerie Florance, PhD
- Big Data To Knowledge (BD2k) -----  
Michelle Dunn, PhD
- National Cancer Institute (NCI) -----  
Jennifer Couch, PhD

National Institute of Nursing Research (NINR)  
2014 Big Data in Symptoms Research Boot Camp



Located in the NIH Clinical Center  
10 Center Drive Bethesda, Maryland 20892

**Directions to  
FAES Academic Center Conference Rooms**

***Directions from Main Entrance (Hatfield Clinical Research Center) – North Entrance***

From the North Lobby of the Hatfield Center, go down the right corridor past the Gift Shop. Proceed through the glass double doors into the Magnuson Clinical Center. Turn left after passing through the double doors, then a quick right toward the Masur Auditorium. Look for a bookstore/coffee shop on your left and a sign from the ceiling that says 'FAES Academic Center'. Take a left down the hallway, through the double-doors, then take the steps down to the lower level.

***Directions from (Magnuson Clinical Center) – South Lobby***

From the South Lobby of the Magnuson Clinical Center, go down the right corridor. Turn left at the end and take a right through the metal doors. Look for a bookstore/coffee shop on your right and a sign from the ceiling that says 'FAES Academic Center'. Take a right down the hallway, through the double-doors, then take the steps down to the lower level.

***Access via stairs:***

From the Masur Auditorium, go north, past the Main Elevators. Look for a bookstore/coffee shop on your right and a sign from the ceiling saying "FAES Academic Center." Take a right down the hallway, through the double-door; then take the steps down to the lower level. Rooms 1-4 are on your right.

***Wheelchair Access via Main elevator:***

Take the Main Elevators outside Masur to the B1 level. Follow the "FAES Academic Center" signs down the hallway towards the Post Office. Across from the Post Office, enter the FAES Academic Center on the left. Once inside the FAES academic Center, Rooms 1-4 are on your left.



**Foundation for Advanced Education in the Sciences**  
**Front Desk (301) 496-8063 / (301) 594-8985**  
**For Conference Emergencies Call: FAES Conference Program Director**  
**Dr. Amy Hymes Cell (703) 819-9336**