

2018 NINR Boot Camp

Precision Health: Smart Technologies, Smart Health

Monday, July 23, 2018

Unboxing Digital Health

Time:	Titles:	Presenter:
8:00–8:30 am	Registration at NIH Clinical Center, building 10, Masur Auditorium	
8:30–8:45 am	Welcome & Program Overview	Pamela Tamez, PhD Acting Training Director & Deputy Training Director, National Institute of Nursing Research
8:45 – 9:30 am	Precision Health and NINR-Supported Nursing Science	Patricia Grady, PhD, RN, FAAN Director, National Institute of Nursing Research
9:30–10:00 am	BREAK	Group picture with NINR Director Dr. Patricia Grady
10:00-10:30am	Introduction to the NINR Division of Extramural Science Programs	Marguerite Kearney, PhD, RN, FAAN Director, Division of Extramural Science Programs, NINR
10:30-11:00 am	Introduction to the NINR Division of Intramural Research	Ann Cashion, PhD, RN, FAAN Acting Deputy Director & Scientific Director, NINR
11:00-12:15 pm	LUNCH	
11:00-12:15 pm	Posters in NIH Clinical Center, building 10, FAES Terrace	
12:30 pm	Symposium begins in NIH Clinical Center, building 10, Masur Auditorium	
12:30–12:35pm	Opening remarks	Ann Cashion, PhD, RN, FAAN Acting Deputy Director & Scientific Director, NINR
12:35- 1:35 pm	Technology and Population health research: nurses promoting veterans help seeking behaviors.	Nancy P. Hanrahan, PhD, RN, FAAN. Dean & Professor, School of Nursing; Senior Associate Dean of Innovation & Entrepreneurship, Bouve College of Health Sciences School of Nursing
1:35 –1:45 pm	BREAK	
1:45 – 2:45 pm	Making a difference with patient-facing technology	Donna Berry, PhD, RN, AOCN, FAAN Nurse Scientist, Phyllis F. Cantor Center for Research in Nursing & Patient Care Services, Dana-Farber Cancer Institute
2:45 – 3:45 pm	Self-monitoring of diet and exercise in behavioral weight loss interventions: from paper to electronic diaries	Lora Burke, PhD, MPH, RN, SBM, FAHA, FAAN Professor, Epidemiology Health & Community Systems University of Pittsburgh School of Nursing
3:45 – 5:00 pm	Poster session at FAES Terrace	

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Tuesday July 24, 2018

Connecting Health through Wearables and Sensors

Time:	Topics:	Presenter:
8:00 – 8:30 am	Coffee & Networking in Porter Neuroscience, building 35A room 620/640	
Moderator	Wendy Henderson, PhD, MSN, CRNP, FAAN Investigator & Chief, Digestive Disorders Unit, NINR/NIH	
8:30–9:30 am	Managing Chronic Conditions with your (Smart) home	Roschelle Fritz, PhD, RN Assistant Professor, Washington State University College of Nursing – Vancouver
9:30 –10:30 am	Explore practical stress monitoring with wearable sensors	Xinxin Zhu, MD, PhD Research Scientist, IBM T. J. Watson Research Center
10:30 – 10:45 am	BREAK	
Moderator	Katy Meilleur, PhD, PPCNP-BC Investigator & Chief, Neuromuscular Symptoms Unit, NINR/NIH	
10:45-11:45 am	Developing and Measuring Real World Concepts in Duchenne Muscular Dystrophy using Actigraphy	Roxanna Bendixen, PhD, OTR/L, Director and Assistant Professor, Master of Science in Occupational Therapy Program, University of Pittsburgh
11:45 – 12:45 pm	Virtual reality in health research and clinical settings	Susan Perksy, PhD, Associate Investigator, Social and Behavioral Research Branch; Head, Immersive Virtual Environment Test Unit, NHGRI
12:45-1:45 pm	LUNCH	
1:45 – 3:15 pm	Breakout Session 1: 1. VR demo 2. Sensor Data Analysis: Environmental and Wearable 3. Analyzing actigraphy data	<ol style="list-style-type: none"> 1. Dr. Susan Persky 2. Dr. Roschelle Fritz & Dr. Diane Cook 3. Dr. Roxanna Bendixen
3:15 – 3:30 pm	BREAK	
3:30 – 5:00 pm	Breakout Session 2: 1. VR demo 2. Sensor Data Analysis: Environmental and Wearable 3. Analyzing actigraphy data	<ol style="list-style-type: none"> 1. Dr. Susan Persky 2. Dr. Roschelle Fritz & Dr. Diane Cook 3. Dr. Roxanna Bendixen

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Wednesday July 25, 2018

Innovating Health through Omics

Time:	Topics:	Presenter:
8:00 – 8:30 am	Coffee & Networking in Porter Neuroscience, building 35A room 620/640	
Moderator	Paule Joseph, PhD, MS, FNP-BC, CTN-B Assistant Clinical Investigator & Chief, Sensory Science and Metabolism Unit, NINR/NIH	
8:30–9:30 am	EHRs are not the real world...but they're OK for phenotyping	Abel Kho, MD, Associate Professor; Director, Institute for Public Health and Medicine, Northwestern University
9:30 –10:30 am	Omics characterization of the human microbiome to understand health and disease	Jacques Ravel, PhD, Professor and Associate Director, Institute for Genome Sciences, University of Maryland School of Medicine
10:30 – 10:45	BREAK	
10:45-11:45 am	From Bench to Bedside and Back Again	Susan Dorsey, PhD, RN, FAAN, Professor and Chair, Department of Pain and Translational Symptom Science, University of Maryland School of Nursing Jessica Gill, PhD, RN Senior Investigator & Lasker Clinical Research Scholar, NINR/NIH
11:45 – 12:45	LUNCH	
Moderator	Leorey N. Saligan, PhD, RN, CRNP, FAAN Investigator, Chief, & Acting Chief, Symptom Science Center, NINR/NIH	
12:45-1:45 pm	The Role of Informatics in the Implementation of Population Precision Health	Marc S. Williams, MD, Director, Genomic Medicine Institute, Geisinger
1:45 – 2:45 pm	Building and Analyzing A De-identified Clinical Data Resource	Bradley A. Malin, PhD Professor; Vice Chair for Research Affairs, Department of Biomedical Informatics, Vanderbilt University
2:45 - 3:00 pm	BREAK	
3:00 – 4:00 pm	A systems biology approach to biomarker discovery and validation: cardiac surgery as a case model	Allen Dale Everett, MD, Professor of Pediatrics, Johns Hopkins University
4:00 – 5:00 pm	All of Us and Precision Engagement	<ul style="list-style-type: none"> • Dara Richardson Heron, MD, Chief Engagement Officer of the All of Us Research Program. • Amanda Wilson, Head, National Network Coordinating Office, National Library of Medicine. • Michelle Hamlet, PhD, Program Director, National Institute of Nursing Research. • Elizabeth Cohn, PhD, RN, FAAN, Rudin Professor of Nursing, Hunter-Bellevue School of Nursing.

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Thursday July 26, 2018

Sync or Swim: Accessing and Managing Data

Time:	Topics:	Presenter:
8:00 – 8:30 am	Coffee & Networking in Porter Neuroscience, building 35A room 620/640	
Moderator	Jessica M. Gill, PhD, RN, FAAN Senior Investigator & Lasker Clinical Research Scholar, NINR/NIH	
8:30–9:30 am	Big data, health care, and the future of medicine: Legal and ethical issues	I. Glenn Cohen, JD Professor of Law; Faculty Director, Petrie-Flom Center for Health Law Policy, Biotechnology & Bioethics, Harvard University
9:30 –10:30 am	Distributive justice, diversity, and inclusion in Precision Medicine	Elizabeth Cohn, PhD, RN, FAAN, Rudin Professor of Nursing, Hunter-Bellevue School of Nursing
10:30 – 10:45	BREAK	
Moderator	Sung Sug (Sarah) Yoon, PhD, RN Program Officer, NINR/NIH	
10:45–11:45 am	The US National Library of Medicine: A Platform for Biomedical Discovery & Data-Powered Health	Elizabeth Kittrie Strategic Advisor for Data and Open Science, National Library of Medicine
11:45 am-12:45 pm	The National Health and Nutrition Examination Survey (NHANES): An Overview	Tala Fakhouri, PhD, MPH Senior Epidemiologist, National Health and Nutrition Examination Survey (NHANES), Centers for Disease Control and Prevention
12:45 – 1:45 pm	LUNCH	
1:45 – 3:15 pm	Breakout Session 1: 1. How to analyze data from (NHANES): An overview 2. Accessing and using VINCI data from the VA 3. Data Analytics for Precision Medicine: methods, tools and resources	1. Dr. Tala Fakhouri 2. Dr. Clara (Libby) Dismuke 3. Dr. Yuriy Gusev
3:15 – 3:30 pm	BREAK	
3:30 – 5:00 pm	Breakout Session 1: 1. How to analyze data from NHANES: Access to Genetics and Microbiome Data 2. Accessing and using VINCI data from the VA 3. Data Analytics for Precision Medicine: methods, tools and resources	1. Jody McLean 2. Dr. Clara (Libby) Dismuke 3. Dr. Yuriy Gusev

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Friday July 27, 2018

Operationalizing Digital Health to Clinical Practice

Time:	Topics:	Presenter:
8:30 – 9:00 am	Hotel Check-out/Coffee/Networking in Porter Neuroscience, building 35A room 620/640	
Moderator	Rebekah Rasooly, PhD Team Lead & Program Officer, NINR/NIH	
9:00 am – 12:00 pm	9 – 9:45 – introductions by NIH Program Officers 10 – 12 pm breakout sessions <ol style="list-style-type: none">1. Training presentation (Banks)2. Roundtable discussion with NIH Program Officers	David Banks – NINR Lois Tully - NINR Alison Cernich – NICHD Nishadi Rajapakse – NIMHD Nonniekaye Shelburne – NCI Alan Vanbiervliet - NLM
12:00 – 12:15 pm	Closing Remarks	