

National Human Genome Research Institute Short Course in Genomics 2017 Nurse, Physician Assistant and Faculty Track

National Institutes of Health, Bethesda, MD

August 8-11, 2017

Short Course Overview

The Genomic Healthcare Branch within NHGRI's Division of Policy, Communications and Education sponsors the Short Course in Genomics for nurses, nurse practitioners and physician assistants, as well as the faculty who educate them.

The nurse, physician assistant and faculty track includes lectures given by leaders in health professional genomic education and practice. Sessions tailored to educators and providers facilitate interactivity between participants and presenters. Experienced genomic educators offer recommendations for incorporating genomic competencies into curricula, while clinician providers describe best practices for integrating genomics and genetic testing into practice. Class size is limited; interested nurse, physician assistant and faculty are encouraged to apply early.

Background

The National Human Genome Research Institute (NHGRI) led the National Institute of Health's (NIH) contribution to the International Human Genome Project (HGP) with its primary goal of sequencing the human genome, which was completed in April 2003. Since then, the NHGRI's mission has expanded to encompass a broad range of studies aimed at understanding the structure and function of the human genome and its role in health and disease. To that end, the NHGRI supports the training of investigators and the dissemination of genome information to the public and to health professionals.

The Genomic Healthcare Branch (GHB) of the NHGRI supports a range of programs to educate health professionals in genetics and genomics. Education initiatives include the Genetics and Genomics Competency Center (G2C2; <http://genomicseducation.net/>) a repository of educational resources for health professionals and several lecture series, including "Webinars for Health Insurers and Payers: Understanding Genetic Testing" (<https://genome.gov/insurersgenetictesting/>).

Course Dates and Location

The 2017 NHGRI Short Course in Genomics will be held August 8–11, 2017 at the National Institutes of Health in Bethesda, MD.

Cost

The course is free. Participants and/or their institutions must pay their own costs for travel, meals, and expenses.

Application Process

- Submit completed application, CV, and support letter through the course website: <http://www.genome.gov/shortcourse/healthprofessionals/>
- Application submission deadline is May 10, 2017, 5 pm ET.
- Applicants will be notified via email of their application outcome by June 1, 2017.

Women and minorities are encouraged to apply.

For more information, visit <http://www.genome.gov/ShortCourse/HealthProfessionals>.



National Human Genome Research Institute



Short Course in Genomics

Nurse, Physician Assistant and Faculty Track

AGENDA

**National Institutes of Health
National Human Genome Research Institute
Genomic Healthcare Branch
August 8-11, 2017
Bethesda, MD
Building 31, C Wing, Sixth Floor**

DAY 1: Tuesday, August 8: GENOMICS ACROSS THE HEALTH CARE CONTINUUM: ROOM 10

<u>TIME</u>	<u>SPEAKER</u>	<u>TOPIC</u>
8:00am – 8:30am	Donna Messersmith and Kathy Calzone, Co-Directors	Set Up, Welcome and Announcements
8:30am – 9:00am	Donna Messersmith and Kathy Calzone	Baseline Knowledge Assessment
9:00am – 10:00am	Chantelle Wolpert	Genomics Primer
10:00am –10:15am	BREAK	
10:15am –11:30am	Kathy Calzone	Genomics Across the Health Care Continuum
11:30 am–12:15pm	Eric Green, NHGRI Director	NHGRI Welcome
12:15pm – 1:00pm	LUNCH	
1:00pm--1:30pm	Meet and Greet	
1:30pm – 3:00pm	Adriana Malheiro	NCBI Resources for Clinical Genetics
3:00pm – 3:15pm	BREAK	
3:15pm – 4:15pm	Vence Bonham	Equity in Treatment and Health Disparities
4:15pm – 4:45 pm	EVALUATION: ONLINE	
5:00pm – 6:00 pm	Optional: G3C (http://genomicscases.net/) Feedback Session (Bldg 31, B wing, 4 th floor, room 4B31)	

DAY 2: Wednesday, August 9: GENOMICS RESOURCES AND ISSUES: Room 10

<u>TIME</u>	<u>SPEAKER</u>	<u>TOPIC</u>
8:30am - 9:30am	PANEL: Connie Goldgar (PA competencies, 15'); Sharon Flynn (basic nursing competencies, 10'); Diane Seibert (advanced nursing competencies, 10'); Kathy Calzone, facilitator	Nurse and PA Competency Review and Discussion
9:30 am –10:30 am	Aniwaa Owusu Obeng	Pharmacogenomics
10:30am – 10:45 am	BREAK	
10:45am – 11:45am	Barbara Biesecker	The Evolution of Genetic Counseling in the Era of Genomics
11:45am-12:00pm	GROUP PHOTO	
12:00pm – 12:45pm	LUNCH	
12:45pm – 1:45pm	Sara Hull	Bioethics and Genetics: The Ethics of Sharing Complicated Information
1:45pm – 2:00pm	BREAK	

2:00pm – 3:30pm	Aniwaa Owusu Obeng, Donna Messersmith, Ashley Lewis, Rosann Wise; Donna Messersmith, facilitator	Genomic Education Resource “Tea”
3:30pm – 4:30pm	Panel Discussion: Genomics in Practice and in the Academic Environment: Diane Seibert, Connie Goldgar, Kathy Calzone, Patricia Brennan, Marcia Van Riper, Sharon Flynn, Aniwaa Owusu Obeng, Chantelle Wolpert, Ed Michaud; Kathy Calzone, facilitator	Challenges of Implementing/Educating about Genomics in Academic and Clinical Settings
4:30pm – 4:45pm	Post-knowledge assessment; Kathy Calzone, facilitator	
4:45pm – 5:00pm	EVALUATION: ONLINE; Kathy Calzone, facilitator	
5:30pm – 7:30pm	OPTIONAL: Group Dinner (self-pay)	

DAY 3: Thursday, August 10: IMPLEMENTING GENOMICS

DAY 3: Thursday, August 10: IMPLEMENTING GENOMICS							
Educator: Room 6				Provider: Room 10			
<u>TIME</u>	<u>DURA-TION</u>	<u>SPEAKER</u>	<u>TOPIC</u>	<u>TIME</u>	<u>DURA-TION</u>	<u>SPEAKER</u>	<u>TOPIC</u>
9:00am – 10:00am	1 hr	Panel: Patricia Brennan; Marcia Van Riper; Connie Goldgar, Ed Michaud; Donna Messersmith, facilitator	Strategies and Interdisciplinary Resources for Integrating Genomics into Nursing and PA Education: Stories of integration and achievements in different settings	9:00am – 10:00 am	1 hr	Panel: Barry Goldspiel, Aniwaa Owusu Obeng, Kathy Calzone, facilitator	Pharmacogenetics and Clinical Integration
10:00am – 10:15am		BREAK					
10:15am - 11:15am	(1 hr)	Patricia Brennan	Nursing: Curriculum Mapping	10:15 am – 11:45 am	(1.5 hrs)	Kathy Calzone	Strategies and Challenges in Interdisciplinary Genomic Integration into Practice-MINC Model

11:15am – 12:15pm	(1 hr)	Ed Michaud	PA Competencies and PA Curriculum Integration				
12:15pm – 1:15pm LUNCH				11:45 – 1:15pm LUNCH			
1:15pm – 2:15pm	(1 hr)	Marcia Van Riper	Strategies for Genomic Integration into the Curriculum	1:15pm – 2:15pm	(1 hr)	Sharon Flynn	MINC Implementation in the Clinical Center
2:15pm-2:30pm	BREAK						
2:30pm - 3:45pm	(1 hr, 15 min)	Interactive Working Session: Participants bring curricula from their schools, including syllabi, objectives, lecture titles, etc. In consultation with Patricia Brennan, Marcia Van Riper, Diane Seibert, and Ed Michaud, participants receive guidance on where and how to integrate genomics. Donna Messersmith, facilitator.		2:30pm - 3:45pm	(1 hr, 15 min)	Interactive Working Session: Participants come prepared to discuss integration strategies within their healthcare environment in consultation with Sharon Flynn; Chantelle Wolpert; Aniwaa Owusu Obeng; Kathy Calzone, facilitator.	

3:45pm-4:00pm	Evaluation of Educator Track, <i>MOVE TO ROOM 10</i>	Evaluation of Provider Track
4:00pm-4:30pm	Online and Conversational Evaluation among full group: Room 10	
4:30pm – 4:45pm	Closing Remarks, Laura Lyman Rodriguez, Director, Division of Policy, Communications and Education, NHGRI (Room 10)	
5:00pm-5:45pm	Tour participants meet in Clinical Center Atrium; Tour of Clinical Center; Sharon Flynn and Clinical Center Office of Communications	

DAY 4: Friday, August 11: IMPLEMENTING GENOMICS, part 2

DAY 4: Friday, August 11: IMPLEMENTING GENOMICS, part 2							
	Educator: Room 8			Provider: Room 7			
<u>TIME</u>	<u>DURA-TION</u>	<u>SPEAKER</u>	<u>TOPIC</u>	<u>TIME</u>	<u>DURA-TION</u>	<u>SPEAKER</u>	<u>TOPIC</u>
9:00am 10:0am	1 hr	Panel: Patricia Brennan; Marcia Van Riper; Ed Michaud; Donna Messersmith, facilitator	Strategies and Interdisciplinary Resources for Integrating Genomics into Nursing and PA Education: Stories of integration and achievements in different settings	9:00am – 10:00 am	1 hr	Panel: Barry Goldspiel; Aniwaa Owusu Obeng, Kathy Calzone, facilitator	Pharmacogenetics and Clinical Integration
10:00a m – 10:15a m	BREAK						
10:15a m - 11:15a m	(1 hr)	Patricia Brennan	Nursing: Curriculum Mapping	10:15 am – 11:45 am	(1.5 hrs)	Kathy Calzone	Strategies and Challenges in Interdisciplinary Genomic Integration into Practice-MINC Model

11:15a m – 12:15p m	(1 hr)	Ed Michaud	PA Competencies and PA Curriculum Integration				
12:15pm – 1:15pm LUNCH				11:45 – 1:15pm LUNCH			
1:15pm – 2:15pm	(1 hr)	Marcia Van Riper	Strategies for Genomic Integration into the Curriculum	1:15pm – 2:15pm	(1 hr)	Sharon Flynn	MINC Implementation in the Clinical Center: <i>Exemplar.</i> Implementation of clinical competencies.
2:15pm- 2:30pm	BREAK						
2:30pm - 3:45pm	(1 hr, 15 min)	Interactive Working Session: Participants bring curricula from their schools, including syllabi, objectives, lecture titles, etc. In consultation with Patricia Brennan, Marcia Van Riper, and Ed Michaud, participants receive guidance on where and how to integrate genomics. Donna Messersmith, facilitator.		2:30pm - 3:45pm	(1 hr, 15 min)	Interactive Working Session: Participants come prepared to discuss integration strategies within their healthcare environment in consultation with Sharon Flynn; Chantelle Wolpert. Kathy Calzone, facilitator.	
3:45pm- 4:00pm	Evaluation of Educator Track			Evaluation of Provider Track			
4:00pm- 4:30pm	Course Completed						

PRESENTERS:

Name:	Title:	Institution:	Additional Information:
Barbara Bowles Biesecker, M.S., Ph.D., C.G.C.	Program Director	Johns Hopkins University/National Human Genome Research Institute Genetic Counseling Training Program	barbarab@mail.nih.gov
Vence Bonham, J.D.	Investigator and Senior Advisor to the Director	Office of the Director, NHGRI	bonhamv@mail.nih.gov
Patricia Brennan, Ph.D., R.N.	Associate Professor	Samuel Merritt University, Oakland, California	pbrennan@samuelmerritt.edu
Kathleen Calzone, Ph.D., R.N., AGN-BC, FAAN	Course Co-Director; Research Geneticist	National Cancer Institute	calzonek@mail.nih.gov https://ccr.cancer.gov/ http://genomicscases.net/en
Sharon Flynn, M.S., R.N., ANP-BC, AOCNS, BMTCN	Research and Practice Development	Warren Grant Magnuson Clinical Center, NIH	Sharon.Flynn@nih.gov
Connie Goldgar, PA-C, M.S.	Professor, Department of Family and Preventive Medicine	University of Utah Physician Assistant Program	cgoldgar@upap.utah.edu
Barry R Goldspiel, Pharm.D., BCOP	Deputy Chief	NIH Clinical Center Pharmacy Department	BGoldspiel@cc.nih.gov
Eric Green, M.D., Ph.D.	Institute Director	National Human Genome Institute	https://www.genome.gov/27527308/the- director/
Sara Hull, Ph.D.	Director, NHGRI Bioethics Core	Department of Bioethics, NHGRI	shull@mail.nih.gov
Ashley Lewis, M.P.H.	Scientific Program Analyst	Genomic Healthcare Branch, Division of Policy,	ashley.lewis3@nih.gov https://www.genome.gov/25522264/genomic- healthcare-branch/

		Communications and Education, NHGRI	
Adriana Malheiro, M.S., C.G.C.	Project lead, NIH Genetic Testing Registry (GTR), MedGen and Medical Genetics Summaries	National Center for Biotechnology Information (NCBI), National Library of Medicine, NIH	adriana.malheiro@nih.gov MedGen - https://www.ncbi.nlm.nih.gov/medgen/ GTR - https://www.ncbi.nlm.nih.gov/gtr/ ClinVar - https://www.ncbi.nlm.nih.gov/clinvar/ Medical Genetics Summaries - https://www.ncbi.nlm.nih.gov/books/NBK61999/ NCBI - https://www.ncbi.nlm.nih.gov/
Donna Messersmith, Ph.D.	Course Co-Director; Health Policy Analyst	Genomic Healthcare Branch, Division of Policy, Communications and Education, NHGRI	donna.messersmith@nih.gov , https://www.genome.gov/25522264/genomic-healthcare-branch/ G2C2: http://genomicseducation.net/ MINC: http://genomicsintegration.net/
Ed Michaud, Ph.D.	Professor and Director of Genetic Sciences for the School of Physician Assistant Studies	South College, Knoxville, Tennessee	emichaud@southcollegetn.edu
Aniwaa Owusu Obeng, Pharm.D.	Assistant Professor, General Internal Medicine	Mount Sinai Health System	aniwaa.owusu-obeng@mssm.edu
Laura Lyman Rodriguez, Ph.D.	Division Director	Division of Policy, Communications and Education, NHGRI	https://www.genome.gov/10001084/division-of-policy-communications-and-education/
Diane Seibert, Ph.D., ARNP, FAANP, FAAN	Professor and Associate Dean for Academic Affairs	Daniel K. Inouye Graduate School of Nursing,	diane.seibert@usuhs.edu

		Uniformed Services University	
Marcia Van Riper, Ph.D., R.N, FAAN	Professor and Chair, Family Health Division	School of Nursing and the Carolina Center for Genome Sciences, University of North Carolina, Chapel Hill	vanriper@email.unc.edu
Rosann Wise	Program Analyst	Education and Community Involvement Branch, Division of Policy, Communications, and Education, NHGRI	Wisern@mail.nih.gov https://www.genome.gov/27564107/rosann-wise-ma/
Chantelle Wolpert, Ph.D., G.C., PA-C	Assistant Professor & Research Coordinator	Emory and Henry College, School of Health Sciences, Department of Physician Assistant Studies	chantelle.wolpert@gmail.com