

National Human Genome **Research Institute**

NHGRI's Inter-Society Coordinating Committee for Practitioner Education in Genomics (ISCC-PEG): **Multi-disciplinary Genomics Resource Development**

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Abstract

Formed in 2013, the mission of the Inter-Society Coordinating Committee for Practitioner Education in Genomics (ISCC-PEG), hosted by the National Human Genome Research Institute, is to improve genomic literacy of healthcare providers by facilitating interactions among key stakeholders (genome.gov/iscc). Through ISCC-PEG, members collaborate to identify educational needs and potential solutions and develop resources to promote effective practice of clinical genomic medicine. There are currently 230 members representing over 130 organizations including companies, academic institutions, professional societies and government institutes. Members span the health professional spectrum including physicians, nurses, physician assistants, pharmacists, genetic counselors, and medical educators. Members share expertise and creative educational approaches to provide their colleagues who may not have genomics training with free teaching and self-study resources. Ongoing issues and work in progress are discussed via monthly project group calls, bi-monthly plenary calls, and during an annual meeting.

Members propose and initiate project groups to address specific areas in genomics education. The five current project groups focus on rare diseases, diversity and inclusion, direct-to-consumer genetic testing, obstetrics and gynecology, and pharmacogenomics. These multi-disciplinary teams have developed instructional tools, publications, professional society presentations, and social media campaigns. The ISCC-PEG Scholars program, initiated in 2020, pairs students with an interest in a genetics-related career with an ISCC-PEG member mentor to work on an educational project during a two-year term.

During June 7-11, 2021, 56 organizations collaborated with ISCC-PEG to disseminate healthcare provider genomics education resources through a social media campaign. The campaign hashtag #MedGeneEd21 provided a unifying theme in which contributors could tag their content. Through live engagement events, resource sharing and webpage promotion, the 5-day campaign was effective in disseminating resources and raising awareness with over 3 million impressions on Twitter.

Here we plan to present example resources, including self-study modules and case studies. We will also further describe the ISCC-PEG approach, data analytics of the social media campaign, and the positive impact of the committee to create and disseminate healthcare provider genomics education resources across healthcare communities.

ISCC-PEG Facts:

Began in 2013; now have more than 230 members, including representation from: 59 organizations, 9 government/institute, 13 companies

• 90 individual members, 7 student members

Project Groups: Inclusive Genetics, Pharmacogenomics, Direct-to-Consumer Genetic Testing, Obstetrics and Gynecology, Rare Diseases

How to join **ISCC-PEG:**

Genome.gov/iscc





Sample Products and Events from Project Groups:

DTC-GT

- "Frequently-Asked-Questions" QR code
- See also ASHG Abstract room 97 poster number 839: Addressing the Direct-to-Consumer Genetic Testing Knowledge Gap for Non-Genetics Healthcare Professionals

Inclusive Genetics

- Project Inclusive Genetics: Exploring the impact of patientcentered counseling training on physical disability bias in the prenatal setting. PLoS One.
- Patient-Centered Prenatal Genetic Counseling resource on the BU/CME website.







BACKGROUND: Genomics is changing the medical landscape and improving health outcomes. However, many healthcare providers receive a limited amount of

AIM: By convening subject matter experts, healthcare practitioners, and representatives from professional organizations, ISCC-PEG aims to

Pharmacogenomics

EVENT: American Academy of Family Physician's 2021 Family Medicine Experience ("FMX"), Oct. 2, 2021

<u>TITLE</u>: Pharmacogenetics: Basic Concepts and Practical Application <u>SPEAKERS:</u> Robert J. Ostrander, MD, AAFP Liaison to ISCC-PEG and Roseann S. Gammal, PharmD, BCPS

Rare Diseases



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EVENT: Pediatric Academic Societies Meeting, Sept. 21, 2021 TITLE: Training Next Generation Pediatricians in Genomics: A Case-Study Approach

PRESENTERS: Michelle Snyder, MS, CGC, Luca Brunelli, MD, PhD, John Carey, MD, MPH, Kristen Fishler, MS, CGC, Rich Haspel, MD, PhD, Sabrina Malone-Jenkins, MD, Rachel Palmquist, MS, CGC



Education and Community Involvement Branch

Healthcare Provider Genomics Education Week: Social Media Campaign: #MedGeneEd21

rovider Education Week eneEd21 June 7 - 11 I with exciting events!	#FamilyHealthHistory	
	#DNADay21	
#MedGeneEd21 eak ~1,400,000 Twitter impressions vs previous campaigns (~160,000) anels, webinars, Twitter chats GRI as well as for our partners. network through ISCC-PEG resulted in >8-fold # of impressions		

