#### ISCC-PEG Annual Meeting Agenda

- 8:30 a.m. 9:00 a.m. (Room D/E) "Ask Eric Anything" Moderated Q&A with Eric Green, M.D., Ph.D., NHGRI Director
- 9:00 a.m. 9:20 a.m. (Rooms F/G Main Room) Open Networking Time
- 9:20 a.m. 10:25 p.m. Class #3 ISCC-PEG Scholar Presentations
  - Ava Willoughby, M.S., CGC, Research Genetic Counselor, Nationwide Children's Hospital Provider Practices and Perceived Barriers towards Counseling on Reproductive Options for High-Risk Individuals
  - Molly Felix, B.S., M.S. Candidate in Genetic Counseling, Virginia Commonwealth University School of Medicine
    - Genetic Counselor's Adaptations and Perceptions in Language Discordant Patient Encounters
- 10:30 a.m. 10:55 a.m. Welcome & Introductions, ISCC-PEG Co-Chairs
  Rich Haspel, M.D., Ph.D., Beth Israel Deaconess Medical Center and Harvard Medical School Donna Messersmith, Ph.D., Education and Community Involvement Branch, NHGRI
- 10:55 a.m. 11:15 a.m. NHGRI Welcome, Ben Solomon, M.D., NHGRI Clinical Director
- 11:15 a.m. 12:00 p.m. ISCC-PEG Strategic Planning, Beth Tuck, M.A., NHGRI Education and Community Involvement Branch Chief, and ISCC-PEG Co-Chairs



#### ISCC-PEG Annual Meeting Agenda

-Post-It board: Please put suggestions

- 12:00 p.m. 1:00 p.m. Lunch Break
- 1:00 p.m. 1:45 p.m. (Rooms F/G) Keynote Lecture, Teri Manolio, M.D., Ph.D., NHGRI Division of Genomic Medicine Director
- 1:45 p.m. 2:00 p.m. Framing Project Group Breakouts and Move to Rooms
  - (Room C) DTC-GT https://bit.ly/ISCC-PEG-DTC-GT
  - (Room D) LGBTQI+ https://bit.ly/ISCC-PEG-LGBTQI
  - (Room E) Nursing Genomics https://bit.ly/ISCC-PEG-Nursing
  - (4B31 Conference Room) PGx https://bit.ly/ISCC-PEG-PGx
  - (4B39S) Physician Assistant https://bit.ly/ISCC-PEG-PA
  - (4B39B) OB/GYN https://bit.ly/ISCC-PEG-OB-GYN
  - (4B39C) Rare Diseases https://bit.ly/ISCC-PEG-Rare
  - (4th Floor Franklin Conference Room) Health Equity/Community Engagement https://bit.ly/ISCC-PEG-HealthEquity
- 2:00 p.m. 3:30 p.m. (Breakout Rooms, 6th and 4th Floors) Working Sessions
- 3:40 p.m. 4:45 p.m. (Rooms F/G) Project Group Summaries
- 4:45 p.m. 5 p.m. Wrap up/Future Directions

Working sessions: Feel free to join even if not a Project Group member (industry members can also attend)

- -Everything recorded (except Working Sessions)
- -Slides will be available



# ISCC-PEG: Annual Meeting 2024 Roadmap

#### Rich Haspel, MD, PhD

Beth Israel Deaconess Medical Center Harvard Medical School Co-Chair ISCC-PEG

April 5, 2024



#### Donna Messersmith, PhD

NHGRI, Education and Community Involvement Branch Provider Education Specialist Co-Chair ISCC-PEG



# Thanks to our members and NHGRI for your support!!

Beth Tuck, Rosann Wise, and Larry Brody, Nancy Reid, Jesus Aguilar Pinzon, Faye Brown, Jerryl Somani, Jacob Jaffa, Alvaro Encinas, Mukul Nerurkar



-Everything recorded (except Breakout Sessions)
-Slides will be available



## ~ 10<sup>th</sup> anniversary!!

- Formed in February 2013 from the Genomic Medicine IV meeting
- Progress
  - Members:  $149 (2017) \rightarrow 333 (2024)$
  - Since 2020: Helped develop 19 resources (see "accomplishments")
- Keynote speaker: Teri Manolio, MD
  - NHGRI Director of the Division of Genomic Medicine
  - A Founder of ISCC-PEG
  - Former Co-Chair











**Association for Molecular Pathology** 









































Research Institute

National Human Genome

























American Board









STRONGERTOGETHER











American College of Medica

Genetics and Genomics



of Medical Specialties

Higher standards. Better care.



DEDICATED TO THE HEALTH OF ALL CHILDREN





























Translational Sciences

















#### 333 members!

New members always welcome...free and easy to join!

- Representation from: 61 organizations, 11 government/institute, 8 companies, and 182 individuals
- Welcome to 54 new members since last in-person meeting!
  - Individual (44):Kim Skellington; Jessica Chong; Rachel Burnside; Helen Anderson; Carolyn Oxencis; Jennifer Woo; Fatemeh Choupani; Briana O'Leary; Helen Burns; Tomas Herrero; Swathi Balaji; Sarai Barrios; Chase Beeman; Seda Byurat; Natasha Casas; Ana Castro Castillo, Kelly Caudle; Anwar Chahal; Jessica Chong; Atanu Dutta; Lauren Edgar; Naama Elefant; Danielle Fournier; Rachel Joseph, Rachel; Apolline Jungels; Becky Ma; Fatima Mraiche; Kathleen Muglia; Frank Munoz; Nick Nguyen; Alberto Partida; Alice Popejoy; Nandana Rao; Ellen Romesburg; Laura Roselli; Steven Silverman; Anne Slavotinek; Vanessa Smith; Claire Spahn; Alexia Story; Radha Sukhu; Allison Werner-Lin; Zachary Woodward; Setareh Zandihaghighi
  - Industry (1): Brianne Kirkpatrick (23andme and Watershed DNA)
  - Organizations (9): Blaine Groat (United States Pharmacopeia (USP))\*; Marjorie David (Association for Molecular Pathology (AMP)); Madhu Ouseph (College of American Pathologists (CAP))\*; Wylie Burke (American College of Physicians (ACP)); Andrew Dwyer (Global Genomics Nursing Alliance (G2NA))\*; Kalisi Logan (The Jackson Laboratory); Kelly Rose (American Society of Hematology (ASH)); Pamela Trapane (American Academy of Pediatrics (AAP)); Brett Fogel (American Academy of Neurology (AAN))



Sorry if we missed anyone/something incorrect (let us know)



#### PROFESSIONAL DEVELOPMENT PROGRAMS

#### ISCC-PEG Scholars Program: A Genomics Education Opportunity >

# Now in fourth year!

- Graduated 2nd class of 4 scholars in 2023!
  - Wrap-up presentations available
- Currently 6 Scholars
  - 4 new this year
- Paired with ISCC-PEG member mentor to work on project
  - 2 years
  - Travel to ISCC-PEG Annual
     Meeting
- Many thanks to all our mentors!

Scholar	Affiliation, Degree in Progress	Mentor(s)	Affiliation	
	2023-2025 Class of Scholars			
Chase Beeman, BS	Ohio State University College of Medicine, Genetic Counseling Graduate Program, Columbus, OH	Richard L. Haspel, M.D., Ph.D.	Beth Israel Deaconess Medical Center	
Vanessa Smith, BS	Master of Science, Genetic Counseling, Vanderbilt University, Nashville, TN	Donna Messersmith,	Amber: Training, Diversity and Health Equity Office; Donna: Education and Community Involvement Branch	
			National Human Genome Research Institute	
Swathi Balaji, BA	Master of Science, Genetic Counselor/Counseling, Master of Public Health, Medical/Human Genetics, Department of Human Genetics, University of Pittsburgh	Kathleen Blazer, Ed.D., M.S., CGC	Director Cancer Genomics Education Program, Division of Clinical Cancer Genomics, City of Hope National Medical Center, Duarte, California	
Setareh Zandihaghighi, BS	Master of Science in Genetic Counseling, The University of Michigan Master's in Genetic Counseling program - Michigan	Houriya Ayoubieh, M.D. FACMG	Internal Medicine/ Clinical Genetics, Texas Tech University Health Sciences Center- El Paso, Texas	



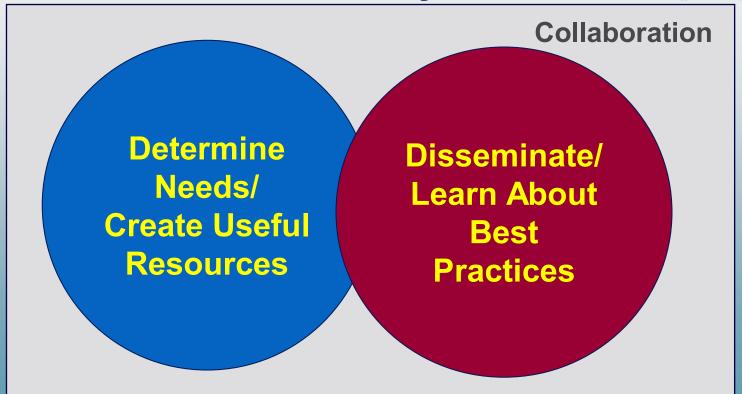
#### **ISCC-PEG Mission Statement**

ISCC-PEG Mission: To improve genomic literacy of healthcare providers and enhance the effective practice of clinical genomic medicine by facilitating interactions among key stakeholders in genomics education. Through ISCC-PEG, members can collaborate to identify educational needs and potential solutions, share best practices in educational approaches and develop educational resources.





# Goal of ISCC: Improve Genomic Literacy







# COMMITTEES

JUST LIKE TEAMWORK. ONLY WITHOUT THE WORK.



## Project groups: Not just talk...

- Direct-to-Consumer Genetic Testing (DTC-GT), Co-Chairs: Tracey Weiler; Houriya Ayoubieh
  - Create educational information for healthcare professionals to integrate DTC-GT into clinical practice. (FAQ)
- LGBTQI+ Issues in Genomics, Co-Chairs: Kelsey Bohnert; Lee Willams
  - Highlight and amplify awareness of LGBTQI+ identities, populations, and needs in genomic education
- Nursing Genomics, Co-Chairs: Trina Walker; Anne Ersig
  - Support the integration of genetics and genomics into nursing education and practice at all levels.(<u>FAQ</u>)
- OB/GYN Genetics Curriculum, Co-Chairs: Barbara O'Brien; Louise Wilkins-Haug
  - Develop a national Obstetrics and Gynecology (OB/GYN) genetics/genomics curriculum.
- Pharmacogenomics (PGx), Co-Chairs: Phil Empey; Roseann S. Donnelly (Gammal)
  - Multidisciplinary group develops educational content for clinicians of all specialties. (<u>Learning Series</u>)
- Physician Associates/Assistants. Chair: Nguyen Park (our newest group)
- Rare Diseases, Chair: Sabrina Malone Jenkins
  - Develop resources to educate healthcare professionals on available resources for rare genetic diseases.
- Adult Cardiovascular Genomics, Co-Chairs: Siddharth Prakash; Bansari Rajani (Certificate Program)



Inclusion in the Practice of Genomic Medicine: Exploring the Impact of Implicit Biases Towards Disability, Co-Chairs: Shoumita Dasgupta; Maya Sabatello (Project Inclusive)

#### 2023 accomplishments: Not just talk!

Type	Venue	Title	Project Group
Presentation	SGIM Regional Meeting Workshop	Cases in Direct-to-Consumer Genetic Testing	DTC
Presentation	ACMG Annual Meeting	Perspectives of Genetics Healthcare Professionals on Direct-to-	DTC
		Consumer Genetic Testing Practice Recommendations	
Resource	G3C	Autism Spectrum Disorder and Vaccines: Ethan and his mother, Dai	G3C
Resource	Genome.gov	Genomics Education Resource Center (GenomeEd)	ISCC-PEG
Resource	NHGRI Listserv	HCPGenomicsEd	ISCC-PEG
Resource	Genome.gov	Healthcare Professionals' Genomics Education Week	ISCC-PEG
Resource	Genome.gov	Genomics FAQ for Entry-Level Nurses	Nursing Genomics
Resource	Genome.gov	Genomics FAQ for Advanced-Practice Nurses: Nurse Practitioners	Nursing Genomics
Resource	Genome.gov	Genomics FAQ for Advanced-Practice Nurses: Nurse Educators	Nursing Genomics
Presentation	APGO Annual Meeting	Developing Genetics Competencies for Trainees in Women's Health	OB/Gyn
		Care: A Structured and Interdisciplinary Approach	
Presentation	WPA Regional Conference	Using Pharmacogenomics in Practice	PGx
Resource	University of Pittsburgh School of Pharmacy	ISCC-PEG Pharmacogenomics Learning Series	PGx
Resource	University of Pittsburgh School of Pharmacy	Pharmacogenomics Nomenclature	PGx
Resource	University of Pittsburgh School of Pharmacy	Pharmacogenomics (PGx) Resources	PGx
Presentation	AAPA Annual Meeting	Training PAs in Genomics: A Case-Study Approach	Rare Diseases



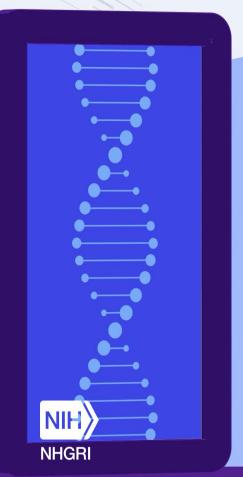
Join our listserv: <a href="https://list.nih.gov/cgi-bin/wa.exe?A0=HCPGENOMICSED">https://list.nih.gov/cgi-bin/wa.exe?A0=HCPGENOMICSED</a>

#### **Project Groups: Some thoughts...**

- "Project Group" vs. "Working Group"
- Consider:
  - Needs assessment
  - Dissemination
    - Where will the resource "live"?
    - Organization/institute listservs/websites
    - Apply to present at an organization's annual meeting
      - Example: Rare Disease Project Group and Pediatric Academic Societies Meeting
  - Opportunities for scholarship: Presentations; Grants; Evaluation/Publication
- Keep in mind COI, Material Review and Dissemination Policies (on website)
- Note the value of participation in Project Group by a member of professional organization or institute. Examples: AAFP; AAPA; ISONG



#### Healthcare Professionals' Genomics Education Week



- September 2024!
- Since 2021!
- All ISCC-PEG Members and organizations can participate!
- Opportunity for you and/or your organization to disseminate genomics resources to share with other healthcare professionals and the interested general public!
- More info to follow

#### Interested in genomics education? Join ISCC-PEG!

- Inter-Society Coordinating Committee for Practitioner Education in Genomics (ISCC-PEG)
  - Over 200 Members: Open to individuals, organizations, and industry interested in healthcare provider genomics education
  - Supported by NHGRI
  - Free to join!
  - Collaborate to:
    - · Identify educational needs and potential solutions
    - · Share best practices in educational approaches
    - · Develop educational resources.
  - Scholars program:
    - Student opportunity: Work on a genetics/genomicsrelated education project under the mentorship of an ISCC-PEG member.
    - Two year appointment
    - Travel funded for the annual ISCC-PEG in-person meeting



Please visit:

genome.gov/iscc

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- YOU ARE HERE
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  - (Room D) LGBTQI+ https://bit.ly/ISCC-PEG-LGBTQI
  - (Room E) Nursing Genomics https://bit.ly/ISCC-PEG-Nursing
  - (4B31 Conference Room) PGx https://bit.ly/ISCC-PEG-PGx
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  - (4B39B) OB/GYN https://bit.ly/ISCC-PEG-OB-GYN
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## Strategic planning

- ISCC-PEG Mission: To improve genomic literacy of healthcare providers and enhance the effective practice of clinical genomic medicine by facilitating interactions among key stakeholders in genomics education. Through ISCC-PEG, members can collaborate to identify educational needs and potential solutions, share best practices in educational approaches and develop educational resources.
- With the mission in mind, what would you want to see for the future of ISCC-PEG?
- How could ISCC-PEG better help you in your education role?



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- Consider:
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      - Example: Rare Disease Project Group and Pediatric Academic Societies Meeting
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#### Project Group Breakout Rooms

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- (4B39C) Rare Diseases https://bit.ly/ISCC-PEG-Rare
- (4th Floor Franklin Conference Room) Health Equity/ Community
   Engagement https://bit.ly/ISCC-PEG-HealthEquity



#### Google drive

 https://drive.google.com/drive/folders/1DzKzTvNXILTHsA UgoabkQ3sphy6AKk?usp=sharing



# The Compendium: Sharing ideas and resources???remove

African Genomic Medicine Training Initiative	9
American Academy of Family Physicians (AAFP)	. 11
American Academy of Ophthalmology (AAO)	. 12
American Association for Clinical Chemistry (AACC)	. 13
American Board of Medical Specialties (ABMS)	. 15
American College of Clinical Pharmacy (ACCP)	. 17
American College of Medical Genetics and Genomics (ACMG)	. 19
American College of Obstetricians and Gynecologists (ACOG)	. 20
American Heart Association (AHA)	. 21
American Medical Association (AMA)	. 23
American Medical Women's Association (AMWA)	. 25

#### Compendium Entry (Blank form for new entries or updates)

#### Name of Organization:

- 1) Name of Individual(s) Submitting Entry:
- 2) List and briefly describe your organization's active educational programs/best practices/initiatives/resources related to genomics education. Please include any relevant links. Place an asterisk next to any resources you would consider for inclusion in G2C2 (the genomics educational repository at <a href="http://genomicseducation.net/">http://genomicseducation.net/</a>).
- 3) Would someone be interested in presenting your organization's educational programs/best practices/initiatives/resources during an ISCC plenary call or face-to-face meeting? If yes, please indicate topic, who might present, and whether there is a preference for a call or face-to-face meeting.
- 4) Would someone in your organization be interested in leading a project? If yes, please describe project including deliverable(s), opportunities for collaboration and who might lead the project.
- 5) Would someone in your organization be interested in leading a discussion related to issues/best practices in genomics education during an ISCC plenary call or face-to-face meeting? If yes, please describe topic, who might lead a discussion, and whether there is a preference for a call or face-to-face meeting.
- Other ideas for ISCC: please include additional potential projects, discussions and opportunities for collaboration (even if someone in your organization would not be interested in leading).



## 2024 Agenda (up to now)



7:30am Arrival at NIH Gateway Center, to Building 31 C Wing, (purchase food in cafeteria)

8:30am – 9:00am (Room D/E): Breakfast + "Ask Eric Anything" Q&A with Drs. Eric Green and Rich Haspel

8:50am – 9:00am Group Photo (Move from D/E breakfast to F/G Main Room)

9:00am - 9:20am Open Networking

9:20am-9:25am Introduce Scholars (F/G Main Room)

9:25am – 9:55am ISCC-PEG Scholar Ava Willoughby presentation for project feedback

9:55am - 10:25am ISCC-PEG Scholar Molly Felix presentation for project feedback

-Everything recorded (except Working Sessions)-Slides will be available



### 2024 Agenda

10:30am - 10:55am Virtual Meeting Starts + Introductions, ISCC-PEG Co-Chairs (F/G Main Room)

10:55am - 11:15am (F/G Main Room): NHGRI Welcome - Dr. Ben Solomon, NHGRI Clinical Director

11:15am – 12:00pm (F/G Main Room): ISCC-PEG Strategic Planning – Beth, Donna, Rich

12:00pm – 1:00pm Lunch Break – Bldg 31, (purchase food in cafeteria)

-Everything recorded (except Working Sessions)

-Slides will be available

1:00pm – 1:45pm (F/G Main Room): Keynote: Dr. Teri Manolio, NHGRI Director of the Division of Genomic Medicine

1:45pm – 1:50 pm (F/G Main Room): Framing Project Working Groups – ISCC-PEG Co-Chairs

1:50pm - 2:00pm: BREAK, move from F/G Main Room to Breakout Rooms

2:00pm – 3:30pm Project Team Working Group Sessions (Teams will take notes): DTC-GT (C); LGBTQIA+ (D); Nursing Genomics (E); PGx (4B31); (4B39S) Physician Assistant (4B39S); (4B39B) OB/GYN (4B39B); (4B39C) Rare Diseases (4B39C); Health Equity/Community Engagement (4B09A)

Working sessions: Feel free to join even if not a Project Group member (industry members can also attend)

3:30pm - 3:40pm Break/Reconvene into (F/G Main Room)

-Post-It board: Please put suggestions

3:40pm – 4:45pm (F/G Main Room): Project Working Group Summaries

4:45pm - 5:00pm (F/G Main Room): Recap of meeting; Closing

