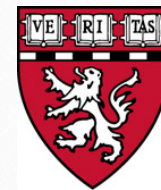


# Inclusive Conversations about Genetics:

The Personal Genetics Education Project

# What is pgEd?



**HARVARD**  
**MEDICAL SCHOOL**


DEPARTMENT OF  
Genetics



Cliff Tabin

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# Goals

- Increased awareness
  - Thoughtful discussion
  - Informed choices
  - Engaged communities
- 

# pgEd Initiatives



Genetics & Social Justice teacher workshop,  
HudsonAlpha Institute for Biotechnology

Educating through  
Schools



Engaging Communities in Libraries,  
Museums & other Forums



Congressional Briefings  
to Engage Lawmakers



Create Ways to Engage Online through  
Games, Social Media and Videos



Working with Producers & Writers  
in the Television & Film Industry



Partnering with  
Communities of Faith





# Lesson Plans

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- Consumer genetics
- Personalized medicine
- Reproductive genetic testing
- Genetics, jobs, and your rights: GINA
- Athletics and genetics
- Protecting athletes: Sickle cell trait
- DNA, crime, and law enforcement
- Genetics, history, and the American eugenics movement
- Genome editing and CRISPR
- Genes, environment and genetic complexity: Aggression in humans

## **Coming soon:**

- Genome engineering and the world around us
- Informed consent in the genomic age
- Ancestry, race and DNA: health implications
- Sex, genetics and athletics
- Complex measurements: Intersection of genes, environment, and intelligence

# pgEd Initiatives



Science Café (Mount Desert Island, ME)

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In cooperation with the offices of: the late Congresswoman Louise M. Slaughter, Senator Elizabeth Warren, and Congressman Bill Foster

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Anyamovie.com (2019)

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# pgEd Initiatives



Minority Coalition for Precision Medicine (Baltimore, MD)

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# Lessons Learned

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- Not everyone is excited about science
- Make it relevant – why should people care when there are so many other (bigger) problems?
- Make it understandable

# Genetics is Personal

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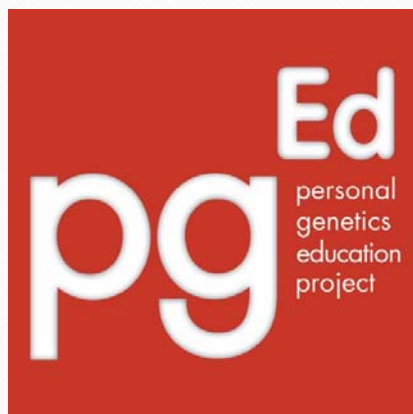
- Personalized medicine
- Individual rights (law enforcement, employment, insurance)
- Ancestry testing
- Reproductive technology/testing/choices



# Challenges

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- Increase scientific literacy
- Reach beyond the “low-hanging fruit”
- Remember to listen
- Communicating the nuance of science in a soundbite world



pgEd.org

