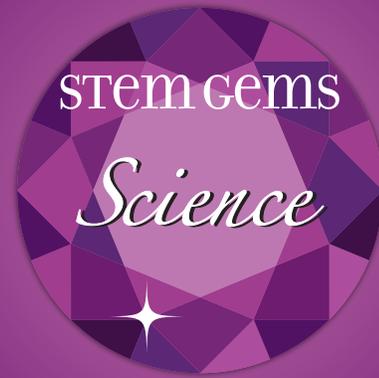


STEM Gem Career:  
**BIOLOGIST AND GENETICIST**

STEM Gem:  
**PARDIS SABETI**

*“Find a voice, which requires buckling down and really getting to know yourself, and trust yourself.”*



Is a career in Biology or Genetics in your future? Do making discoveries and fighting diseases appeal to you? STEM Gem Pardis Sabeti's quest to understand how diseases affect our genes may lead to breakthrough treatments. Read her story and digest. Watch one of her online videos. Then, with your STEM Gems Tribe, **discuss, explore, reflect,** and **act.**

## **DISCUSS**

1. How do Biologists and Geneticists like Professor Sabeti make a difference in the world?
2. What experiences did Professor Sabeti have growing up that led to her pursuit of a career as a Computational Biologist and Geneticist?
3. What is Professor Sabeti's educational background?
4. What are some of the challenges that Professor Sabeti faced along her journey and in her career?
5. What are some of Professor Sabeti's key accomplishments?
6. What inspired you most about Professor Sabeti's story?
7. Professor Sabeti says: *“Find a voice, which requires buckling down and really getting to know yourself, and trust yourself.”* What does her advice mean to you?

## EXPLORE

1. What colleges and universities have programs in Biology and/or Genetics?
2. What types of jobs are available for Biologists and/or Geneticists?
3. What companies and organizations hire Biologists and Geneticists?
4. What classes should you take in middle and high school to prepare for a career as a Biologist or Geneticist?
5. Name at least two other women Biologists or Geneticists. How are they similar to Professor Sabeti? How are they different?
6. What professional organizations support women in Biology and Genetics? Do they have job shadow or exploratory programs established for middle and high school students?

## REFLECT

Based on her own experiences, Professor Sabeti advises young women to build their own confidence and move forward. How confident are you? Is there ever a time when your confidence wanes? What specific actions can you take to build your confidence and move forward?

## ACT

It's time to step outside your comfort zone. Name one concrete thing you will do before your next meeting that will have you one step closer to becoming a STEM Gem. Blog about it. Include it in your written or photo journal. Hold yourself accountable.

***Work hard. Be brave. Stay curious.***

**BE A GEM!**

*Stephanie Espy*

P.S. I'd love to hear about your journey. Share on Facebook, Twitter, or Instagram and tag @STEMGemsBook #STEMGemsTribe, or email me at [tribe@STEMGemsBook.com](mailto:tribe@STEMGemsBook.com).