I am an integrative physiologist, and U.S. Army’s Leader for Medical Simulation.

Lt. Col. Robert Carter III
Adjunct Professor, Emergency Medicine
University of Texas Health Science Center
San Antonio, Texas

Learn more about physiology careers at the-aps.org/careercards
I started reading journals like *National Geographic Explorer* and saw that new things were being discovered all the time. It made me want to be part of the action.

I knew I wanted to be a scientist when:
1. Be courageous.
2. Be imaginative.
3. Have excellent communication skills.
4. Share your science and technology with the general public.

One of my research questions:
Do men’s and women’s bodies respond differently to physiological stress such as blood loss and heat stress?

Technology I use:
I use data that has been collected from studies in both humans and animals to better understand how to help soldiers perform across a range of extreme environments.

My most exciting discovery:
I found that each individual human has a unique physiological strategy designed to compensate for reductions in blood volume.

To be a scientist, you need to:
1. Be courageous.
2. Be imaginative.
3. Have excellent communication skills.
4. Share your science and technology with the general public.

I started reading journals like *National Geographic Explorer* and saw that new things were being discovered all the time. It made me want to be part of the action.