There is a lot of science going on onboard the International Space Station right now,

and a lot of has to do with just how long humans survive in space with the eye towards an eventual mission to Mars.

So the ISS is a scientific platform that allows for many different kinds of research; it's multidisciplinary.

So we do research in the biological sciences, the physical sciences, Earth and space science,

but because of the presence of human beings - astronauts, crew members - we are able to use them as subjects to do human research and really to learn how the human body adapts to a microgravity environment over a long period of time.

What we do in the Program Science Office is science management; we manage all the research that's on board the space station, and specifically our... one of our main jobs is communicating the research not just from a US perspective
but across the international partnership.

00:01:01,198 --> 00:01:09,019
So the one year mission is really, it is really
about sending humans beyond low Earth orbit,

00:01:09,019 --> 00:01:11,890
hopefully to the destination of Mars.

00:01:11,890 --> 00:01:16,489
Understanding the effects of long-duration
spaceflight on humans is a huge part of NASA's

00:01:16,489 --> 00:01:17,489
journey to Mars.

00:01:17,489 --> 00:01:20,469
It's a journey that has already begun with
the experiments on board the International

00:01:20,469 --> 00:01:21,929
Space Station, and it's a journey that continues.