



HOUSTON
SPACEPORT

Frontier Lectures

spacefrontiers.rice.edu

BECOMING MARTIAN

How Settling Space Could Change the Human Body and Mind

Tuesday, December 3
Lecture: 7:00 pm
Herring Hall, Rm 100
Reception: 6:30 pm



SCOTT SOLOMON, PHD

Associate Teaching Professor
Department of Biosciences
Rice University

Efforts are already underway to create human settlements beyond Earth. If these efforts are successful, how will subsequent generations of humans be affected by life on other planets, like Mars? Studies of astronauts on the International Space Station have provided a wealth of information about the effects of spaceflight on the human body and mind. Likewise, the biological basis for adapting to new environments is well understood by the biologists that study isolated populations of plants and animals here on Earth. By combining these two fields of study we can make meaningful predictions about how each generation born on Mars will be better adapted to life on the red planet than those that came before.

SCOTT SOLOMON teaches ecology, evolutionary biology, and scientific communication as an Associate Teaching Professor in the Department of Biosciences at Rice University. He has a Ph.D. in Ecology, Evolution, and Behavior from the University of Texas at Austin where his research examined the evolutionary basis of biological diversity in the Amazon Basin. Dr. Solomon often speaks and writes about science at schools, museums, churches, science cafés, TEDx events and other venues. He has appeared on radio broadcasts on NPR and the BBC World Service and television series such as NASA's Unexplained Files and Life 2.0. His writing and photography have appeared in publications such as NBC News, Slate, Aeon, Nautilus, and Wired and his first book, *Future Humans: Inside the Science of Our Continuing Evolution* was published by Yale University Press.



RICE | SPACE INSTITUTE

HOSTED BY RICE SPACE INSTITUTE AND WIESS SCHOOL OF NATURAL SCIENCES