



DR. DANIELLE CARROLL

Dr. Danielle (Dani) Carroll earned her B.A. with dual majors in Bioethics and Italian through the Echols Program at the University of Virginia (UVA), after which she was commissioned as an officer in the United States Air Force. She flew high-performance jet aircraft as an officer on active duty, later transitioning into the Reserve to attend medical school back at UVA. She has been involved in extensive Global Health work, including Trauma/Burn Surgery research, education, and outreach programs in East Africa and Central America, and is grateful to have had opportunities to contribute in the areas of Disaster Relief, Mass Casualty Incident Management, Wilderness Medicine, and Trauma/Emergency Response in resource-limited settings, among others.

After completing 3 years of General Surgery residency, Dani paused clinical training to serve as a NASA Space Health Innovation Fellow at UCSF, subsequently relocating to Colorado to complete dual master's degrees in Aerospace Engineering (Bioastronautics) and Engineering Management (Innovation & Leadership) through the University of Colorado Boulder. She served as Principal Investigator on a NASA research grant through the Translational Research Institute for Space Health (TRISH), providing consulting services for a variety of projects related to commercial spaceflight, medical care, and procedural intervention in the austere environment of deep space, which complements her current role as President of the Space Surgery Association. She is currently on the Board of Directors for the University of Virginia Medical Alumni Association and serves part-time as a flight surgeon at a fighter squadron in the Air National Guard.

Dani founded Orbital Biodesign, LLC. in the Fall 2020 to serve as a platform for development of innovative technologies intended to support human health, both on Earth and in space; two patents are pending. In her free time, she enjoys traveling, SCUBA diving, teaching flying, climbing, and running with her rescue pup, Rosie.