

Biosketch

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As Deputy Chief Scientist, Dr. Donoviel oversees the diverse portfolio of science and technology research and development projects at NSBRI that address the challenges faced by humans in space. She leads the NSBRI Industry Forum and the SMARTCAP grant program that funds and mentors small startup companies. Dr. Donoviel is Director of the Laboratory for Biomedical Innovations where she evaluates new technologies and countermeasures that have the potential to transform medical care in space and on Earth.

A published scientist herself, Dr. Donoviel interfaces with NASA at many levels ensuring programmatic alignment with the highest risks to human space flight while safeguarding scientific excellence. She is the recipient of several NASA Human Research Program awards, and serves on advisory and review boards in the space life sciences both nationally and internationally.

Dr. Donoviel is an Assistant Professor in the Department of Pharmacology and a member of the Center for Space Medicine at Baylor College of Medicine, lecturing and mentoring medical students in space biomedical research.

Before joining NSBRI, Dr. Donoviel was engaged in pharmaceutical drug discovery at Lexicon Pharmaceuticals, a biotechnology company based in The Woodlands, Texas. For eight years, she managed a metabolism research group that identified and validated targets for drug discovery by using *in-vivo* functional genomics technology, and developed small molecule compounds, antibody, and protein therapeutics against these validated targets.