

Dr. Beth Lewandowski
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Dr. Beth Lewandowski is a Biomedical Research Engineer at the NASA Glenn Research Center in Cleveland, OH. She has conducted research at NASA on the impact of spaceflight induced muscle atrophy and bone loss on astronaut health and performance and on cognitive state monitoring of pilots to improve aviation safety. She is currently the project scientist for the NASA Digital Astronaut Project and the deputy project scientist for the NASA Exploration Exercise Equipment Project. At NASA Glenn she is part of the Fluid Physics and Transport Processes Branch, which is within the Research and Engineering Directorate. She received a Bachelor's degree in Electrical Engineering from Cleveland State University, a MS degree and a PhD degree, both in Biomedical Engineering from Case Western Reserve University. Her Master's research was conducted at the Cleveland Clinic and the topic of the research was source reconstruction of EEG signals during muscle fatigue. Her Ph.D. dissertation topic was the generation of electrical power, with an implanted piezoelectric generator, using stimulated muscle activity.