



Jacob Bloomberg, Ph.D.
NASA Sensorimotor Discipline Lead Scientist
NASA-Johnson Space Center

Dr. Jacob Bloomberg is a Senior Research Scientist in the Neurosciences Laboratory in the Biomedical Research and Environmental Sciences Division at NASA Johnson Space Center. Dr. Bloomberg is also NASA's Sensorimotor Discipline Lead Scientist and has served as the associate team leader for the National Space Biomedical Research Institute (NSBRI) Sensorimotor Adaptation Team. He has been a Principal Investigator on studies conducted under NASA's Extended Duration Orbiter Medical Program, Shuttle-Mir, NASA-Mir Life Science Programs, and the International Space Station (ISS) Research Program. Dr. Bloomberg served as the Team Leader for the Sensorimotor and Performance Group for the Neurolab STS-90 Shuttle flight, Discipline Lead of the Joint U.S./Russian Sensorimotor Investigations conducted on the Mir Space Station and was Project Scientist for the Human Life Science Experiments on the STS-107 Shuttle flight. Dr. Bloomberg's research focuses on understanding the effects of spaceflight on human sensorimotor function with particular emphasis on development of integrative countermeasures to mitigate postflight disturbances in balance and locomotor function.