

Bio-Introduction

Brian Crucian

Position: Research Immunologist at the Johnson Space Center.

Brian Crucian received his Ph.D. in immunology from the University of South Florida and received Laboratory Medical Technologist certification at Tampa General Hospital. He joined NASA in 1998 as a contractor Flow Cytometrist and in 2011 transitioned to the Lead Immunologist position.

His research focuses on characterizing immune system dysregulation during long-duration spaceflight, performing parallel studies in ground analog or relevant clinical populations, and integrating the findings to determine crew clinical risk and requirement for countermeasures.

He has supported NASA flight studies onboard both the Space Shuttle and the International Space Station. He has been deployed to both the Arctic and Antarctica Polar regions to support ground immunology investigations, and has participated in over 30 zero-gravity flights onboard NASA's KC-135 and DC-9 aircraft, consisting of >1200 parabolic maneuvers.