

Jeff Chancellor, M.S.

Integration Project Manager National Space Biomedical Research Institute



Jeff Chancellor graduated from the University of Houston with Bachelor and Master of Physics degrees. He is currently working on a Ph.D. in Theoretical Health Physics from Texas A&M University.

Prior to joining the National Space Biomedical Research Institute, Mr. Chancellor was a Senior Research Engineer with Lockheed Martin at NASA Johnson Space Center. As part of the Mission Management Team, he contributed to the success of four Space Shuttle missions, trained the crew and flight surgeons in space weather and medical physics and worked in Mission Control, helping monitor crew activities aboard the International Space Station and Space Shuttle. He also worked extensively with the design team for the Orion vehicle, helping the effort to reach an optimum mass configuration that would maximize the flight crew's shielding during solar particle events.

Mr. Chancellor's research in nuclear and radiation physics called for numerous trips to at particle accelerators, including the Brookhaven National Laboratory, HIMAC (Japan), and CERN in Switzerland. In collaboration with more than 15 institutions, he worked on the Medipix detector, a thumb-sized, charged-particle detector that is used for medical imaging and also is being developed as a real-time dosimeter to monitor radiation exposure during space missions.

Mr. Chancellor's work was highlighted at the 2007 Texas Health Physicist Winter Meeting, where he gave the keynote address. His current research involves modeling the angular discrepancy in off-axis fragments produced by inelastic nuclear interactions in Monty Carlo particle transport codes. Before choosing a career in science, Mr. Chancellor was an experienced project manager, serving as controller and operations manager for a Fortune 500 company

He joined the National Space Biomedical Research Institute and Baylor College of Medicine in 2010, where he now serves as Integration Project Manger. Mr. Chancellor oversees the Radiation Effects Team projects and helps manage the diverse NSBRI science and technology portfolio. In addition, he manages NSBRI's Intellectual Property portfolio.