



**Graham B.I. Scott, Ph.D.**

Graham Scott has a unique combination of military aviation, academic, research & development, (i.e. both large-scale science and new product introduction), and business experience compiled over the last 30 years.

At age 22, Graham earned his Wings as a military pilot and commissioned officer, (Flight Lieutenant) in her Majesty's Royal New Zealand Air Force (RNZAF), where he flew fast jets, transport aircraft, and also served as a Search & Rescue Captain flying fixed wing twin engine turbo-propeller aircraft.

After completing his military service, Graham embarked upon the academic phase of his career. He gained a Ph.D. in Chemistry at the University of Canterbury in Christchurch, New Zealand, studying ion-molecule and ion-atom reactions that elucidate the astro-chemistry of interstellar clouds. He was then offered the opportunity to move to the United States and work as a Post-Doctoral Fellow at Rice University in Houston, Texas with Dr. Robert F. Curl, the 1996 Nobel Laureate in Chemistry. This experience of working directly with a Nobel Laureate was a truly formative experience that impressed upon Graham the imperative of always insisting upon the highest standards of scientific inquiry and research.

During the climactic and high-profile years of the Human Genome Project, (2000 - 2003) Graham worked as an Assistant Professor at the Baylor College of Medicine Human Genome Sequencing Center, (BCM-HGSC) under the direction of Dr. Richard Gibbs and gained a world class education in sequencing and genomic technologies as well as leading large interdisciplinary scientific teams. During his tenure at the BCM-HGSC Graham participated in large scale scientific endeavors that resulted in the publication of six Nature papers.

In late 2003, following the completion of the Human Genome Project, Graham made the decision to move to the Life Sciences industry – initially as a Research and Development Manager at Sigma Aldrich Corporation in St. Louis, MO, where he managed a team of 22 scientists who developed products for proteomics researchers. After almost 3 years with Sigma-Aldrich Corporation Graham then moved to EMD Biosciences (now EMB Millipore) where he took on a business leadership role. Later he was invited by one of his mentors to move to San Diego, CA and help integrate the large recently acquired Stratagene R&D organization comprising almost 70 scientists and engineers, into Agilent Technologies.

Prior to joining the National Space Biomedical Research Institute (NSBRI), Graham was employed by Life Technologies (later acquired by Thermo-Fisher) in a number of senior sales and marketing leadership roles – including having global responsibility for marketing Life Technologies' portfolio of sequencing systems as well as launching the Ion Proton Sequencer at the Consumer Electronics Show (CES) in Las Vegas, NV in early 2012.

Dr. Scott has now been the Vice President, Chief Scientist, and Institute Associate Director at NSBRI since October 2012 where he has been responsible for advancing the science, career development, and communications activities of the Institute. Notably, since 2013, he has been the Deputy Project Scientist for the high-profile NASA and NSBRI supported Twins Study, which is still ongoing. He is also an Associate Professor within Baylor College of Medicine's Department of Molecular and Cellular Biology as well as the Center for Space Medicine, where he currently spearheads the effort to introduce personalized genomic medicine as an innovative strategy for the development of countermeasures to better safeguard astronaut health during long duration deep space exploration missions. Most recently Dr. Scott has assumed a new role as Director of the Translational Research Institute which NASA has charged with leading a National effort in translating cutting edge emerging terrestrial research into applied space flight human risk mitigation strategies for exploration missions.