

## Jonathan Clark Bio



Jonathan Clark is an adjunct Associate Professor of Neurology and Space Medicine at Baylor College of Medicine. Dr. Clark served 26 years on active duty with the U.S. Navy, and qualified as a Naval Flight Officer, Naval Flight Surgeon, Navy Diver, U.S. Army parachutist and Special Forces Military Freefall Parachutist. His assignments including heading a research centrifuge facility, and the Neurology and Hyperbaric Medicine divisions at the Naval Aerospace Medical Institute where he treated diving and altitude decompression sickness and studied divers exposed to high intensity sonar. During Operation Desert Storm he was the 3<sup>rd</sup> Marine Air Wing Special Projects Officer responsible for Chem/Bio Defense Plan and the Sustained Operations Plan. He flew combat medical evacuation missions and was in the first air element into Kuwait City with the Marine Corps. He ran the aeromedical department at Marine Aviation Weapons & Tactics Squadron One, and participated in Marine Recon and ANGLICO team HAHO and HALO jumps. Dr. Clark worked at NASA from 1997 to 2005, was a Space Shuttle Crew Surgeon on six shuttle missions, Chief of the Medical Operations Branch and a senior FAA Aeromedical Examiner (AME). He was a Member of the NASA Spacecraft Survival Integrated Investigation Team from 2004 to 2007 and a Member of the NASA Constellation Program EVA Systems Project Office Standing Review Board from 2007 to 2010. He was the Space Medicine Advisor for the National Space Biomedical Research Institute from 2005 to 2017. In 2008 he was an expedition physician supporting the Houghton Mars Project on Devon Island in the high Canadian Arctic. He was Chief Medical Officer for the orbital commercial space company Excalibur Almaz from 2007 to 2012, and Chief Medical Officer for the Inspiration Mars Foundation since 2013. Dr. Clark was Medical Director of the Red Bull Stratos Project, a manned stratospheric balloon freefall parachute flight test program, which on 14 October 2012 successfully accomplished the highest stratospheric freefall parachute jump (highest exit altitude) from 127,852 feet, achieving human supersonic flight (Mach 1.25) without a drogue chute at 843 miles per hour. In 2012 Dr. Clark joined the StratEx Space Dive project as the lead flight surgeon and medical advisor, and this project culminated in the new high altitude exit freefall record of 135,890 feet, and reaching Mach 1.22 at 822

miles per hour in 2014. From 2017 to 2020 he was on the Navy Clinical Case Review Panel to address the On Board Oxygen Generator (OBOGS) Physiologic Episodes. He currently is a consultant for Virgin Galactic, Heinlein Prize Trust, Paragon Space Development Corp, JAG Human Performance, Space Perspectives, Operator Solutions, and the Foundation for Aerospace Safety and Training. Dr. Clark is board certified in Neurology and Aerospace Medicine and is a Fellow of the Aerospace Medical Association. Recreational activities include scuba diving, parachuting, flying aircraft, and spending time in the wilderness. His professional interests focus on the neurologic effects of extreme environments, crew survival, and resilience.