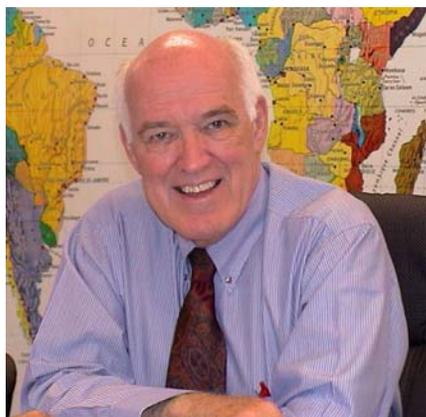


# Larry Miller, MD, Vidacare Founder & Chief Medical Officer – pioneering inventor, physician, and entrepreneur

*Recipient of BioMed SA's 2012 Julio Palmaz Award for Innovation  
in Healthcare and the Biosciences*



## **Selection Committee rationale:**

Dr. Miller's contribution to medicine through the use of intraosseous vascular access makes him a standout choice for this year's award. His development of the EZ-IO® Intraosseous Infusion System revolutionized the way first responders and clinicians perform necessary medical procedures and has been recognized globally for its impact on medicine and technology. In addition to his long and distinguished record as a physician, inventor, and entrepreneur, we were impressed by his philanthropic efforts to save lives during Haiti's deadly cholera outbreak two years ago by personally delivering medical equipment and training medical personnel to use intraosseous access. – *Steven A. Davis, MD, 2012 Palmaz Committee Chair*

Dr. Larry Miller's contribution to the field of medicine and his pioneering role in using intraosseous access to improve patient care and save lives on a global basis are unparalleled.

The intraosseous (IO) space, or the space inside the bone, is the body's largest non-collapsible vein, and it is an essential part of treating patients who need immediate vascular access when traditional IV access is difficult or impossible. Historically, access to the IO space was limited to children, using a large needle with a round or T-shaped handle that was manually forced into the patient's bone in a strenuous and painful procedure that was nearly impossible in adults, whose bones are too hard.

In 2000, Dr. Miller, an emergency room physician for over 30 years, envisioned a device that could access the IO space safely and quickly. Vidacare Corporation, which was founded by Dr. Miller, has since developed his vision into a robust intraosseous technology platform. Vidacare's products have utility in not only emergent and non-emergent critical care, but also in hematology/oncology diagnosis and spine access procedures. Vidacare's premier product, the EZ-IO® Intraosseous Infusion System, provides immediate vascular access for the delivery of essential medications and fluids and can access the IO space in ten seconds, making it an essential tool in emergency medicine. UT Health Science Center in San Antonio has been an important partner with Vidacare over the years, providing testing assistance and research facilities.

Thanks to the way Dr. Miller's technology has simplified IO vascular access for emergent and non-emergent patients, IO is now recommended as first line alternative to peripheral IVs by the American College of Emergency Physicians and American Heart Association, and its use has been endorsed as a recommended practice standard by more than ten thought-leading international industry associations representing emergency physicians, emergency nurses, and critical care nurses.

Dr. Miller's EZ-IO technology is recognized as the global gold standard for IO access, used by 90 percent of US advanced life support ambulances and over half of US emergency departments, as well as the US military. Dr. Miller's innovative technology platform has been recognized for its impact on medicine and technology by prestigious organizations including the World Technology Network, The *Wall Street Journal*, and numerous other industry organizations.

Prior to Vidacare, Miller served as co-founder, CEO, and chairman of LifeQuest Medical Inc., where he acquired worldwide rights to the Osteoport, an intraosseous vascular access port for treating cancer and AIDS. He also acquired the First Med System, an intraosseous auto-injector for administering drugs in emergencies.

Dr. Miller is widely recognized as an expert and opinion leader on using the intraosseous space to save lives, with over 20 published articles and nearly 50 presentations to industry leaders on the subject matter. He also has received numerous personal honors for his contribution to the fields of entrepreneurship, technology and medicine. Finally, his dedication to helping people extends to a multitude of philanthropic efforts to disseminate IO technology to third world areas in need.