David Knapp

Vice President, Corporate Research Boston Scientific

A leader in the area of Medical Device Development and Exploratory Research, Dave Knapp has been working to treat unmet needs in coronary, cardiovascular and pulmonary medicine for 20 years. Dave's current focus as Vice President of Corporate Research at Boston Scientific is on developing new solutions and fostering growth in White Space areas. Coordinating open collaborative efforts has been a key focus area, including developing relationships with external institutions and connecting across disciplines and functions to drive meaningful innovation.

Dave has a Bachelor of Science in Chemical Engineering from the University of Michigan, Ann Arbor and a Ph.D. in Chemical Engineering and Materials Science from the University of Minnesota. His undergraduate research focused in the area of cell separation and biochemical engineering at the University of Michigan and MIT, followed by a focus on Tissue Engineering at the University of Minnesota, contributing to deeper understanding of wound healing and developing bio artificial tissues such as liver, artery and heart valve leaflets.

Following his tenure as a research scientist and operations engineer at Amoco Oil Company, Dave joined the Corporate Research team at Boston Scientific to help lead a development effort in Drug Eluting Stents. Since then, Dave has held a number of roles within Boston Scientific, spanning from exploratory to commercialization phases of the development cycle for various medical technologies in the cardiovascular space. His current role in Corporate Research focuses on innovation and driving new growth in white space areas and expansion into new geographies.

Dave has presented at several conferences including meetings for the American Institute of Chemical Engineers (AIChE), Institute for Electrical and Electronics Engineers (IEEE), and Society for Biomaterials. He is an author on a number of publications in the areas of biopolymer rheology, in vitro assays for cell migration and traction, and modeling mechanism of release from controlled release formulations.