

IEM SEMINAR SERIES

TUESDAY
February 28th, 2017

Utility of Biodesign Principles for Clinical Solutions in Cancer Treatment



Institute for
Engineering in Medicine

UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Dr. Bruce Forsyth

Fellow, Corporate Research
Boston Scientific



FREE event, no registration
required.

Pizza and Beverages will be
provided from 11:45 am

12:00PM - 1:00PM
Nils Hasselmo Hall
Room 4-101

For additional information on
Dr. Forsyth's presentation
please contact:
scot0353@umn.edu

The Institute for Engineering in Medicine (IEM) is pleased to announce a seminar by Dr. Bruce Forsyth, "Utility of Biodesign Principles for Clinical Solutions in Cancer Treatment."

The pursuit of new medical device solutions in cancer diagnosis and therapy remains a challenging field which drives indispensable research by physicians, scientists and engineers. Utilizing the principles of ethnographic observation in identifying unmet clinical needs provide a direct examination into case studies where current technologies can either fall short or lose potential to improve patient care. Study examples will be shown that can provide industrial teams a roadmap to spur idea generation and technical innovation en route toward novel and unique product solutions. In principle, a diverse team can be inspired to pursue alternative outcomes that maintain marketplace leadership while capitalizing on integrated opportunities, satisfying the demands of the healthcare industry while improving patient care in a meaningful way.

Bruce Forsyth has been with Boston Scientific for over 13 years serving as a research fellow in both Interventional Cardiology and Corporate Research. He has provided process development leadership in coating and plasma technologies for multiple drug-eluting stent and balloon programs. He was president on the Boston Scientific Technical Advisory Council that organizes multiple cross-franchise meetings to drive knowledge transfer across the company. In 2013, he led a small bio-design team through clinical immersion at the Mayo Clinic to identify unmet needs in lung cancer. In 2016, he became a founding member of BSC's Cancer Solutions team to drive company-wide exploratory projects in early diagnosis and treatment. Prior to joining Boston Scientific, Bruce worked at 3M for 4 years in Advanced Materials and the Medical division. Bruce obtained his Ph.D. and M.S. degrees in Mechanical Engineering at the University of Minnesota while obtaining his B.A. in Physics and Philosophy at the UM-Morris. Bruce was inducted as an industrial fellow in the Institute of Engineering in Medicine at UMN and has been a past-president of the Particle Society of Minnesota.

For more information on the IEM Seminar Series, visit
www.iem/umn.edu/SeminarsLectures/Seminars_index.html

