

BIOENGINEERING

PRESENTS

Medical Device and Drug Delivery



THURSDAY, Oct 31, 2019

12:00 – 1:00 PM

2101 ENGINEERING V

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ABSTRACT:

Medical devices enable therapy across a range of applications. With continued advancement in in fields of drug delivery, the evolution of medical devices in drug delivery have provided significant benefits to patients, care givers, and healthcare providers. In this seminar, we will explore the context of current and future opportunities in the space and address questions on the direction of future advancements.

BIOGRAPHY:

Scott Gibson is a mechanical engineer with more than 27 years of experience in the medical device and drug delivery industry. Beginning in cardiac rhythm management, Scott participated in research and early development of the earliest implantable defibrillators and advanced activity sensors for rate adaptive cardiac rhythm management. Scott spent the next 12 years in medical device start-ups in diabetes and pain management developing fully implantable systems for closed loop insulin administration and intrathecal drug administration for pain and spasticity. Both company starts led to acquisition, respectively by Medtronic and Boston Scientific. Scott has been with Amgen since 2012 where he established and built Amgen's Advanced Device Technologies and Innovation Organization and Amgen's Device Technologies Innovation Center in Cambridge, Massachusetts. These organizations identify and advance drug delivery technologies with application to Amgen's product and portfolio strategies. Scott earned his Bachelor's degree in Mechanical Engineering from California Polytechnic State University, San Luis Obispo, and currently holds 35 US patents in drug delivery and cardiac rhythm management. Scott actively participates as a member of several industrial advisory boards and as a board member and past board chair of his local YMCA.