

IEM SEMINAR SERIES

TUESDAY
February 14th, 2017

Drug Device Combination Products



Institute for
Engineering in Medicine

UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Dr. SuPing Lyu

Senior Principal Scientist and Technical Fellow
Medtronic Cardiac Rhythm and Heart Failure



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. Lyu's presentation
please contact:
scot0353@umn.edu

The Institute for Engineering in Medicine (IEM) is pleased to announce a seminar by Dr. SuPing Lyu, "Drug Device Combination Products."

In this talk, Dr Lyu will review the major drug device combination products and technologies in the markets. Examples include drug delivery coatings and pumps. The talk will be focused on innovation, clinical needs, and requirements from industrial and patients' perspectives. While great achievements have been made in the areas, a lot of challenges remain and they impede further advance in the fields. Examples such as drug device interactions will be discussed.

SuPing Lyu received his B.E. from Tsinghua University in 1991 and Ph.D. from the University of Minnesota in 2000. Both are in chemical engineering. He joined Medtronic as a materials scientist in 2000 and was elected to Technical Fellow in 2008. Currently, he is a Senior Principal Scientist. He has experience in developing materials and related technologies for cardiac, spinal, vascular, and renal disease management products. He has extended experience in drug-combination product development. He has served on industrial advisory boards for multiple institutes. He authors over 25 peer-reviewed papers and has given many invited and graduate student seminar talks. He co-edited the book, *Drug-device Combinations for Chronic Diseases*. He has a number of patents that help the market-release of several medical products that have helped millions of patients. SuPing's current focus is on reliability prediction of medical implants by applying first principles and regulatory guidance. He also works on drug-device combination technologies.

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

