2016 Seminar Series

Dr. Francis G. Spinale

USC School of Medicine

will present a seminar on

Designing and Translating Novel Biomaterials for Cardiovascular Repair

Objectives:
1. The obstacles to smart therapeutics; systemic vs localized delivery
2. Targeting a specific cardiovascular disease; pathology and pharmacological targets for myocardial infarction
3. Localized biomaterial injections; biophysical considerations
4. Biomaterial drug elution - proof of concept
5. “Smart” biomaterials and drug elution - the next generation and proof of concept
6. Future directions for biomaterial design in cardiovascular repair

About the speaker:

Francis G. Spinale (Frank) obtained both his MD and PhD from the Medical University of South Carolina, where he trained and served on the surgery faculty. He currently holds the position of Distinguished Professor of Personalized Medicine in the Departments of Cell Biology & Anatomy and Surgery at USC School of Medicine and is also a Staff Physician-Scientist at the Wm. Jennings Bryan Dorn VA. More recently, he was appointed as Associate Dean of Research and Graduate Education at USC School of Medicine, Vice President of Research at Palmetto Health, and Chief Research Officer of the PH-USC Medical Group.

Dr. Spinale, an internationally renowned cardiovascular physician and scientist, has directed a translational research effort in the thematic area of cardiovascular disease, the main cause of death and disability in South Carolina, for over the past two decades.

He is also an entrepreneur and is currently engaged in biotechnology transfer and development efforts for 6 patents, which include biomarker profiling and diagnostics for strategic (personalized) treatment. Dr. Spinale serves on the editorial board of seven prestigious scientific journals, including Circulation, Circulation Research, and the American Journal of Physiology. He also has over 400 peer-reviewed publications in leading cardiovascular journals and is a fellow of several professional societies, including the American College of Cardiology and the American Association for Thoracic Surgeons. Further, Dr. Spinale is an award-winning educator with an impressive teaching/research training record. To this end, he has recently been honored with both the Breakthrough Leadership in Research Award and the Educational Foundation Research Award in Health Sciences at USC.

Dr. Spinale has pioneered various projects for cardiac research while working to collaborate with other departments and faculty. The National Institutes of Health (NIH), the Veterans Administration (VA), and several pharmaceutical companies have also funded his research. The mechanistic, translational, and clinical studies he has been working on will advance our understanding and potential treatment for major causes of heart failure in patients.

Friday, April 15th, 2016
132 Fluor Daniel Building (EIB) @ 2:30 PM

All are invited!