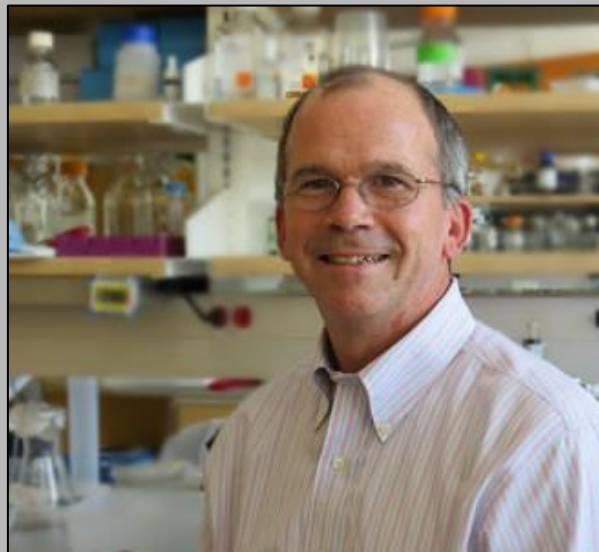


COM Research & Scholarship Forum



Keynote Address: *Human Health: It's time to Science the #@&% out of it!*

Learning resources in preparation for the seminar would be to either read the novel "The Martian: the Novel" by Andy Weir, or watch the movie 'The Martian' starring Matt Damon.

Douglas B. Sawyer, M.D., Ph.D.

Co-Director, Myocardial Biology & Heart Failure Research Lab; Chief Cardiovascular Services, Maine Medical Center

Dr. Sawyer is a physician-scientist with a background in cardiovascular biology, and clinical focus on heart failure. His research activity has focused on understanding myocardial biology and developing translational studies elucidating how the adult heart maintains and repairs itself, as well as developing therapeutic strategies to enhance myocardial repair after injury. A major focus of his research has been to understand how neuregulin and the ERBB2 and ERBB4 receptors function in the adult heart to regulate response to injury. Most recently, he worked collaboratively with other physicians and investigators to conduct a series of studies progressing from cells to small and large animals, and ultimately to humans examining the therapeutic potential of recombinant neuregulin.

Currently, Dr. Sawyer is affiliated with Maine Medical Center's Research Institute (MMCRI) where robust clinical cardiology and cardiac surgery programs co-exist with a strong commitment to basic and translational science. The MMC Cardiology and Cardiothoracic Surgery teams have a long history of success in recruiting to clinical research protocols. His laboratory pursues both basic investigation over mechanisms for myocardial repair, as well as translational studies in humans focused on preventing and treating cardiovascular disease.

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