Syllabus: Imaging Biomarkers in Cardiovascular Disease, Thursday April 23, Chun Yuan, Ph.D.

This course will cover Imaging Biomarkers for cardiovascular disease. Although many imaging biomarkers exist, this lecture will focus on biomarkers related to atherosclerosis imaging. Atherosclerosis has been increasingly recognized as a complex, multi-factorial disease. An ideal imaging method will recognize tissue components, wall morphology, and factors such as inflammation and shear stress which are coming to light as markers of plaque vulnerability. This course will focus on validated imaging biomarkers and the information they provide about plaque status, biomarker validation and use in clinical trials, and will also discuss novel targeted imaging approaches and their applications, and future directions and targets for plaque imaging.

Key References:


