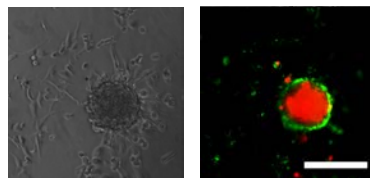


Mechanobiology of heart valve disease: Engineering new treatment strategies

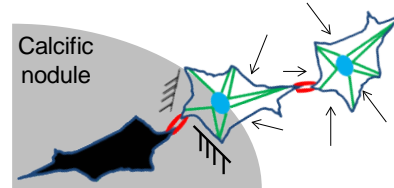
W. David Merryman, PhD
Biomedical Engineering,
Pharmacology, Medicine, and Pediatrics
Vanderbilt University

Degenerative
valve disease

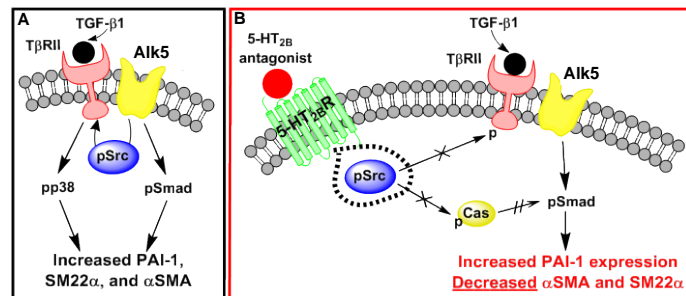
Aortic valve
calcification



Cadherin-targeted prevention



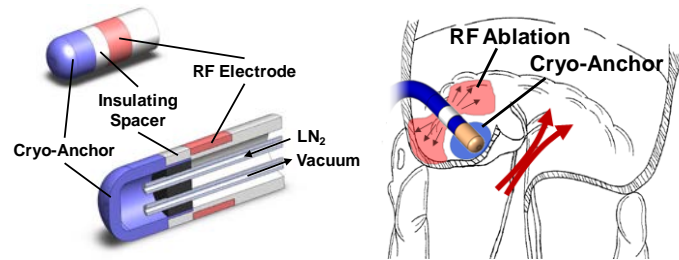
GPCR-targeted prevention



Congenital
valve disease

Mitral valve
prolapse

Percutaneous RF+cryo ablation



Biomaterials for tissue
engineering heart valves

AFM of heart valve
development

