



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Physiology

Seminars in Translational & Advanced Research (STAR)

Friday, March 20
Arizona Health Sciences Center
Room 8403
11:00am - 12:00pm

<https://arizona.zoom.us/j/85062222452>



"Slow Myosin Binding Protein-C: A Central Regulator of Skeletal Muscle Structure and Function"

Dr. Sakthivel Sadayappan was raised in the rural town of Pattiveeranpatti in Tamil Nadu, India, where he was expected to become a coconut farmer.

Encouraged by his parents to pursue education, he developed an early fascination with plant biology and completed his undergraduate degree in Botany. His passion for science led him through rigorous graduate and doctoral training, eventually culminating in his appointment as Professor and Chair of the Department of Cellular and Molecular Medicine at the University of Arizona College of Medicine – Tucson.

His research is driven by a deep commitment to improving muscle health, with a long-term goal of preventing and treating hypertrophic cardiomyopathy, heart failure, distal arthrogryposis of skeletal muscle, and smooth muscle-related diseases. Dr. Sadayappan has made significant contributions to the field of heart failure, authoring 185 original peer-reviewed articles, reviews, and book chapters. He has mentored over 100 trainees, including undergraduates, master's students, Ph.D. candidates, postdoctoral fellows, and clinical fellows. Many of his mentees have gone on to become independent research scientists at universities, pharmaceutical companies, and research institutes across the US, Europe, Australia, and India.

Dr. Sadayappan's work has been recognized with numerous national and international awards, as well as several accolades for his outstanding teaching skills. He has received funding from the National Heart, Lung, and Blood Institute, the American Heart Association,

Sakthivel Sadayappan, PhD

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Host: Paulo Pires