

4th Sensing Biology Symposium

Date: January 30, 2012 (Monday) 13:30-17:50

Venue: Medical Research Institute (Surugadai campus) 1F

Program

13:30-13:40 Opening Remarks (Akinori Kimura)

13:40-14:20

Siegfried Labeit (Medical Faculty Mannheim, University of Heidelberg)

The giant elastic protein titin and its role in sarcomeric signaling

14:20-14:50

Hiroyuki Sorimachi (Tokyo Metropolitan Institute of Medical Science)

Calpin-3 and connectin/titin as physical stress sensor system for skeletal muscle

14:50-15:10

Shinji Makino (Keio University School of Medicine)

The titin/MURF1 signaling complex senses the stretch of sarcomere and connects cardiac hypertrophy in a fish model and in human patients

15:10-15:35

Akinori Kimura (Medical Research Institute, Tokyo Medical and Dental University)

Cardiomyopathy as a disease of abnormalities in sensing for stretch and metabolic stress in cardiac sarcomere

15:35-16:15

Coffee Break

16:15-16:45

Hitoshi Kurose (Graduate School of Pharmaceutical Sciences, Kyushu University)

Pressure overload-induced cardiac fibrosis through G protein-coupled receptor

16:45-17:15

Kazufumi Nakamura (Department of Cardiovascular Medicine, Okayama University)

Circulation KCNH2 current-activating factor in patients with heart failure –novel mechanism of ventricular tachyarrhythmia –

17:15-17:40

Tetsushi Furukawa (Medical Research Institute, Tokyo Medical and Dental University)

Stretch-induced inflammatory response involved in pathogenesis of atrial arrhythmias

17:40-17:50 Closing Remarks (Tetsushi Furukawa)

