

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Growth and Wasting in Heart and Skeletal Muscle (A8)

January 26-31, 2014 • Eldorado Hotel & Spa • Santa Fe, New Mexico, USA

Scientific Organizers: Elizabeth M. McNally, Nadia A. Rosenthal and Leslie A. Leinwand

Supported by the Directors' Fund

Abstract & Scholarship Deadline: September 26, 2013 / Abstract Deadline: October 30, 2013 / Discounted Registration Deadline: November 26, 2013

SUNDAY, JANUARY 26

MONDAY, JANUARY 27

Keynote Address

Eric N. Olson, University of Texas Southwestern Medical Center, USA
Energy Homeostasis in Heart

Atrophy Signaling Pathways

Marco Sandri, University of Padova, Italy
FoxO, Autophagy and Ubiquitin Proteasome: The Crossroad of Muscle Mass Regulation

Sue Bodine, University of California, Davis, USA
MuRF1: Regulation of the Proteasome and Much More.

Kenneth Walsh, Boston University School of Medicine, USA
Akt/Foxo in Cardiac Hypertrophy

Short Talk(s) Chosen from Abstracts

Growth Factors for Heart and Muscle

Speaker to be Announced

HQ Han, Amgen Inc., USA
Myostatin/Activin Signaling in Heart Failure and Muscle Wasting

Nadia A. Rosenthal, Monash University, Australia
F IGF in Heart and Muscle Growth

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, JANUARY 28

Paracrine Mechanisms

Zoltan P. Arany, Beth Israel Deaconess Medical Center, USA
Peripartum Mechanisms of Heart Growth

Leslie A. Leinwand, University of Colorado, USA
F Postprandial Heart Growth in Pythons

Speakers to be Announced

Short Talk(s) Chosen from Abstracts

Genetic and Epigenetic Regulation

Benoit G. Bruneau, Gladstone Institute of Cardiovascular Disease, USA

Epigenetic Mechanisms of Cardiomyocyte Growth

Timothy A. McKinsey, University of Colorado Denver, USA
HDACs in Cardiomyocyte Growth

Eva van Rooij, Hubrecht Institute, Netherlands
MicroRNAs as Regulators of Growth

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 29

Common Pathways in Cardiac and Skeletal Muscle Growth

David A. Kass, Johns Hopkins Hospital, USA
Mechano-Sensing Gone Bad - Unifying the Mechanisms

David J. Glass, Novartis Institutes for Biomedical Research, USA
TGF-beta Signaling in Skeletal Muscle Hypertrophy

Speakers to be Announced

Elizabeth M. McNally, University of Chicago, USA
F Matrix Regulation of Myocyte Growth

Short Talk(s) Chosen from Abstracts

Metabolic Regulation of Skeletal Muscle Mass and Function

Speaker to be Announced

E. Dale Abel, University of Utah School of Medicine, USA
Muscle Metabolism and Growth in Diabetes

Daniel P. Kelly, Sanford-Burnham Medical Research Institute, USA
Delineating the Transcriptional Regulatory Circuitry Controlling Muscle Fiber Type

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, JANUARY 30

Metabolic Regulators of Cardiac Regeneration and Hypertrophy

Heinrich Taegtmeyer, University of Texas Med. School at Houston, USA

Metabolic Regulators of Myocardial Protein Turnover

Speaker to be Announced

Karyn A. Esser, University of Kentucky Medical Center, USA
Clocks and Muscle Growth

Joseph A. Hill, University of Texas Southwestern Medical Center, USA

Diabetic Cardiomyopathy and Metabolic Remodeling in the Heart

Short Talk(s) Chosen from Abstracts

Stem Cells and Cardioskeletal Growth

Deepak Srivastava, Gladstone Institute of Cardiovascular Disease, USA

Talk Title to be Determined

Gordon M. Keller, University Health Network, MaRS Centre, Canada
Generation of Diverse Cardiac Lineages from Human Pluripotent Stem Cells

Kenneth D. Poss, HHMI/Duke University Medical Center, USA
Zebrafish Cardiomyocyte Regeneration

Short Talk Chosen from Abstracts

FRIDAY, JANUARY 31