

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Atherosclerosis: Lessons Learned and Concepts Challenged (B2)

February 4-8, 2018 • Sagebrush Inn & Suites • Taos, New Mexico, USA

Scientific Organizers: Laura F. Michael, Gerard Pasterkamp and Sekar Kathiresan

Supported by the Directors' Fund

Abstract & Scholarship Deadline: / Abstract Deadline: / Discounted Registration Deadline:

SUNDAY, FEBRUARY 4

Arrival and Registration

MONDAY, FEBRUARY 5

Welcome and Keynote Address

Joseph L. Goldstein[†], University of Texas Southwestern Medical Center, USA

Heart Attacks: Gone with the Century?

The Natural History of Atherosclerotic Disease

Peter Libby, Brigham and Women's Hospital, USA

Requiem of the Vulnerable Plaque, Challenging Current Concepts

Sekar Kathiresan, Massachusetts General Hospital, USA

Inherited Basis for Myocardial Infarction

Gerard Pasterkamp, University Medical Center Utrecht, Netherlands

Geno-Phenotyping of the Vulnerable Plaque and Patient

Short Talk(s) Chosen from Abstracts

Lipoprotein Risk Factors

Kiran Musunuru, University of Pennsylvania, USA

Therapeutic Genome Editing as a Cure for Atherosclerosis

Anne Tybjaerg-Hansen, Rigshospitalet, Copenhagen University Hospital, Denmark

Triglyceride-Rich Lipoproteins and Atherosclerotic Cardiovascular Disease: New Insights from Epidemiology, Genetics and Biology

Daniel J. Rader[†], University of Pennsylvania, USA

Functionalizing HDL Cholesterol

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, FEBRUARY 6

Diabetes, Obesity and Atherosclerosis

Ruth McPherson, University of Ottawa Heart Institute, Canada

Is Obesity a Causal Risk Factor for Atherosclerosis?

Sudha B. Biddinger, Boston Children's Hospital, Harvard Medical School, USA

Beyond Hyperglycemia: Novel Mediators of Diabetes Associated Cardiovascular Disease

Joerg Heeren, University Medical Center Hamburg-Eppendorf, Germany

Protective Role of Brown Adipose in Atherosclerosis Development

Laura F. Michael, Eli Lilly and Company, USA

Diabetes and Atherosclerosis: Anti-Diabetic Agents that Improve CV Outcomes

Short Talk(s) Chosen from Abstracts

The Inflammation Hypothesis

Ziad Mallat, University of Cambridge, UK

Immune Modulation in Atherosclerosis

Jan Nilsson, Lund University, Sweden

Atheroprotective Immunity and Cardiovascular Disease: Therapeutic Opportunities and Challenges

Paul Ridker[†], Brigham and Women's Hospital, Harvard Medical School, USA

Inflammation and Residual CV Risk: What did Clinical Studies Teach Us?

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, FEBRUARY 7

The Milieu Extérieur

J. Mark Brown, Cleveland Clinic, USA

Diet, Gut Microbiota and Cholesterol Balance Influences Atherosclerosis

Seppo Ylä-Herttuala[†], University of Eastern Finland, Finland

Epigenetics of Atherosclerosis

Robert E. Gerszten[†], Massachusetts General Hospital, USA

Translating Exercise into Reduced Atherosclerosis Burden

Miguel Angel Martínez González[†], University of Navarra, Spain

Diet and CVD Risk Factor Interplay

Short Talk(s) Chosen from Abstracts

Crosstalk Among Organs

Jonathan C. Cohen[†], University of Texas Southwestern Medical Center, USA

Who's to Blame? Common Pathways to Damage the Liver and Heart

Lilach O. Lerman, Mayo Clinic, USA

New Concepts in Atherosclerotic Renovascular Disease: Current Status

Joachim Herz, University of Texas Southwestern Medical Center, USA

Multitasking Therapeutics: Mutual Mechanisms behind Alzheimer's Disease and Atherosclerosis

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, FEBRUARY 8

Models and Biomarkers for Atherosclerotic Disease

Robert S. Langer[†], Massachusetts Institute of Technology, USA

Lab on a Chip: An Intersection of Academic Research, Patient Characterization and the Commercial Market

Jacob Fog Bentzon, Centro Nacional de Investigaciones Cardiovasculares, Spain

Large Animal Models of Atherosclerosis - New Tools for Persistent Problems in Cardiovascular Research

James K. Min[†], Weill Cornell Medicine, USA

Predicting the Future: Coronary CT Angiography

Katey Rayner, University of Ottawa Heart Institute / University of Ottawa, Canada

MicroRNA Regulation and Biomarkers of Atherosclerosis

Short Talk(s) Chosen from Abstracts

Emerging Fields of Research

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Atherosclerosis: Lessons Learned and Concepts Challenged (B2)

February 4-8, 2018 • Sagebrush Inn & Suites • Taos, New Mexico, USA

Scientific Organizers: Laura F. Michael, Gerard Pasterkamp and Sekar Kathiresan

Supported by the Directors' Fund

Abstract & Scholarship Deadline: / Abstract Deadline: / Discounted Registration Deadline:

John J.P. Kastelein[†], University of Amsterdam, Netherlands

Emerging Therapies

Hester den Ruijter, UMC Utrecht, Netherlands

Cardiovascular Disease in Women

Salim Yusuf, McMaster University, Canada

How can we Reduce Premature CVD Globally in a Generation?

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, FEBRUARY 9

Departure