



SCIENTIFIC PROGRAMME

THURSDAY, DECEMBER 10th, 2015

WELCOME ADDRESS & KEYNOTE LECTURE

Chairs: Karine Clément / David Trégouët

4:00 - 4:30 PM

Welcome Introduction,

Karine Clément (Institute of Cardiometabolism And Nutrition, France)

David Trégouët (Institute of Cardiometabolism And Nutrition, France)

4:30 - 5:00 PM

Keynote Lecture :

Ethical reflection about systematic sequencing,

Howard Jacob (Human & Molecular Genetics Center, Wisconsin, USA)

5:00 - 5:30 PM

PCSK9 ; From genetics to novel therapies,

Catherine Boileau (Genetic Department, Bichat Hospital, France)

5:30 - 6:00 PM

Regulatory RNAs in cardiovascular disease,

Stefanie Dimmeler (Institute of Cardiovascular Regeneration,

Goethe-University, Frankfurt, Germany)

6:00 PM

Cocktail / Poster exhibition





SCIENTIFIC PROGRAMME

FRIDAY, DECEMBER 11th, 2015

MORNING

GENETICS OF HEART & METABOLIC DISORDERS ; HOW TO BUILD UPON THE GWAS' WAVE ?

Chairs: Florent Soubrier / Sophie Garnier

9:00 - 9:30 AM

Genetics of coronary artery disease - discovery and translation,
Nilesh Samani (University of Leicester, UK)

9:30 - 10:00 AM

The Genetics of Obesity – Going beyond common phenotypes and common genotypes,

Ruth Loos (The Icahn School of Medicine at Mount Sinai, USA)

10:00 - 10:30 AM

Genetics of dilated cardiomyopathy,

Éric Villard (Institute of Cardiometabolism And Nutrition, France)

10:30 - 10:45 AM

Short Talk

10:45 - 11:00 AM

Short Talk

11:00 - 11:30 AM

Coffee break and Poster session 1

EPIGENOMICS IN CARDIOMETABOLIC DISORDERS

Chairs: Wilfried Le Goff / Young Investigator

11:30 AM - 12:00 PM

Epigenome-wide association scans of cardiometabolic traits,

Donna Arnett (University of Alabama at Birmingham, School of Public Health, USA)

12:00 - 12:30 PM

Oocyte and sperm inherit diet induced obesity and diabetes,

Johannes Beckers (Helmholtz Zentrum München
and Technische Universität München, Germany)

12:30 - 1:00 PM

Epigenetics regulation of gene expression,

Tomi Pastinen (Genome Québec Innovation Center, McGill University, Montreal, Canada)

1:00 - 1:15 PM

Short Talk

1:15 - 1:30 PM

Short Talk

1:30 - 3:00 PM

Lunch and Poster session 2



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AFTERNOON

FROM ANIMAL MODELS TO HUMAN DISEASES

Chairs: Dominique Gauguier / Young Investigator

3:00 - 3:30 PM

Towards population-level microbiome analysis

Jeroen Raes (Department of Microbiology and Immunology, Rega Institute, Belgium)

3:30 - 4:00 PM

A systems genetics approach to understand host-gut microbiome interactions in cardiovascular disease

Jake Lusis (University of California, USA)

4:00 - 4:15 PM

Short Talk

4:15 - 4:30 PM

Short Talk

4:30 - 5:00 PM

Coffee break and Poster session 3

FUNCTIONAL GENOMICS

Chairs: Jean-Sébastien Hulot / Sophie Nadaud

5:00 - 5:30 PM

A mammalian-specific cell stress stem cell regulator: from stem cells to body homeostasis

David Sassoon (Institute of Cardiometabolism And Nutrition, France)

5:30 - 6:00 PM

Proteomics approaches to understand cardiac remodelling and regeneration

Thomas Braun (Max Planck Institute for Heart and Lung Research, Bad Nauheim, Germany)

6:00 - 6:30 PM

High-biofidelity 3D Human Pluripotent Stem Cell-Derived Heart Tissues and Chambers for Maturation, Drug Discovery and Cardiotoxicity Screening

Ronald Li (Hong Kong University, China)

6:30 - 6:45 PM

Short Talk

6:45 - 7:00 PM

Short Talk

7:00 PM

Cocktail / drinks



SCIENTIFIC PROGRAMME

SATURDAY, DECEMBER 12th, 2015

MORNING

SYSTEMS BIOLOGY & DATA INTEGRATION

Chairs: Jean-Daniel Zucker / Edi Prifti

9:00 - 9:30 AM

Integration of omics data to understand the biological causes of disease

Alfonso Buil (Institute of Biological Psychiatry, Mental Health Center Sct. Hans, Roskilde, Denmark)

9:30 - 10:00 AM

Integration of metabolomics and GWAS data reveals sex-specific associations with risk of cardiovascular disease

Hooman Allayee (Department of Preventive Medicine, University of Southern California, Keck School of Medicine, USA)

10:00 - 10:15 AM

Short Talk

10:15 - 10:30 AM

Short Talk

10:30 - 11:00 AM

Coffee break & Poster session 4

MOLECULAR PHENOTYPING FOR PRECISION MEDICINE

Chairs: Karine Clément / Yuejun Liu

11:00 - 11:30 AM

Pharmacogenetics in complex human traits

Munir Pirmohamed (The Wolfson Centre for Personalised Medicine, Institute of Translational Medicine, University of Liverpool, UK)

11:30 AM - 12:00 PM

Plasma proteomic profiling in thrombotic diseases

Jacob Odeberg (KTH Royal Institute of Technology, Stockholm, Sweden)

12:00 - 12:30 PM

Revolutionizing Healthcare and Wellness Management through Systems P4 Medicine

The Visterra Project : From n=1 to Billions of Individual Monitorings

Charles Auffray (European Institute for Systems Biology & Medicine, Lyon, France)

12:30 - 1:00 PM

Omics-enabled personalized health and nutrition

Martin Kussmann (Nestlé Institute of Health Sciences, Lausanne, Switzerland)

1:00 PM

Concluding remarks & Awards

Karine Clément (Institute of Cardiometabolism And Nutrition, France)