

Keystone Symposia: Nuclear Receptors: Development, Physiology and Disease

(Joint with "Nuclear Receptors: Signaling, Gene Regulation and Cancer")

March 21–26, 2010 • Keystone Resort • Keystone, Colorado • USA

Scientific Organizers: Carl S. Thummel, David D. Moore and Joyce J. Repa

PROGRAM FACULTY & TALKS

- Johan Auwerx**, Ecole Polytechnique Federale de Lausanne, Switzerland
Cofactor Networks in the Control of Energy Expenditure
- Myles Brown**^o, Dana Farber Cancer Institute, USA
Nuclear Receptor Cistromes and Epigenomes
- Carlie J. M. de Vries**, Academic Medical Center, The Netherlands
Roles for NR4A Receptors in Vascular Disease and Metabolism
- Gideon Dreyfuss**^{*o}, HHMI, University of Pennsylvania School of Medicine, USA
- Ronald M. Evans**^o, The Salk Institute, USA
PPARs in Metabolism and Disease
- Vincent Giguère**, McGill University Health Centre, Canada
ERR Regulatory Networks
- Marco Gottardis**^o, Bristol-Myers Squibb Company, USA
Drug Discovery and Design of New Generation Anti-Androgens
- Leonard Guarente**, Massachusetts Institute of Technology, USA
Roles for SIRT1 in Development, Metabolism and Aging
- Gordon L. Hager**^o, National Cancer Institute, National Institutes of Health, USA
Global Regulation of Chromatin Structure and Gene Expression by Glucocorticoid Receptors
- Gary D. Hammer**, University of Michigan, USA
SF-1/DAX: Adrenocortical Stem/Progenitor Cell Fate and Multipotency
- Benita S. Katzenellenbogen**^o, University of Illinois at Urbana-Champaign, USA
Mechanisms of Estrogen Receptor Signaling and Regulation
- Steven A. Kliewer**, University of Texas Southwestern Medical Center, USA
Regulation of Metabolism by Nuclear Receptor-FGF Pathways
- Anastasia Kralli**, The Scripps Research Institute, USA
Metabolic Functions of ERR
- Henry M. Krause**, University of Toronto, Canada
Drosophila Nuclear Receptors
- Mitchell A. Lazar**^o, University of Pennsylvania School of Medicine, USA
Rev-erb Ligands and Function
- David J. Mangelsdorf**^o, University of Texas Southwestern Medical Center, USA
Metabolic Control by Nuclear Receptors
- David D. Moore**, Baylor College of Medicine, USA
Regulation of Circadian Rhythms by Nuclear Receptors
- Sunil Nagpal**^o, Wyeth Research, USA
LXR is a Therapeutic Target for Skin Aging and Dermal Inflammatory Indications
- Bert W. O'Malley**^o, Baylor College of Medicine, USA
NR Coactivators: Physiology and Disease
- Thomas Perlmann**, Karolinska Institutet, Ludwig Institute for Cancer Research, Sweden
Roles for NR4A Family Members in Brain Development and Function
- Fraydoon Rastinejad**^o, University of Virginia, USA
Structural Characterization of Nuclear Receptors
- Joyce J. Repa**, University of Texas Southwestern Medical Center, USA
Nuclear Receptors in Pancreatic Beta Cells
- Ueli Schibler**, University of Geneva, Switzerland
Transcriptional Regulation of Circadian Rhythms
- Erin G. Schuetz**, St. Jude Children's Research Hospital, USA
Pharmacogenetic Studies of Xenobiotic Nuclear Receptors
- Frances M. Sladek**, University of California, Riverside, USA
HNF4 Regulation and Function
- Bruce M. Spiegelman**^o, Harvard Medical School, USA
Transcriptional Regulation of Adipogenesis and Energy Homeostasis
- Joe Thornton**, University of Oregon, USA
Evolution of Nuclear Receptors
- Peter Tontonoz**, University of California, Los Angeles, USA
Liver X Receptors in Metabolism, Inflammation and Disease
- Keith R. Yamamoto**^o, University of California, San Francisco, USA
Mechanisms of Glucocorticoid Receptor Regulation



Nuclear receptors represent a family of ligand-regulated transcription factors that play central roles in development, physiology and metabolism. Upon binding, small lipophilic hormones and metabolites, such as steroids, fatty acids, and bile acids, nuclear receptors switch their regulatory status, reprogramming gene expression in target tissues. Current research is aimed at defining roles for these receptors in normal development and metabolism as well as better understanding how nuclear receptor dysfunction contributes to diabetes, cancer, cardiovascular disease, obesity and neuronal disorders. Nuclear receptors are also a major target for drug development, with many compounds on the market and several in ongoing human trials. This meeting will highlight recent breakthroughs in nuclear receptor research, promote interactions between scientists from industry and academia and provide opportunities for senior scientists to interact with younger researchers and trainees.

PROGRAM PLENARY SESSIONS & WORKSHOPS:

- Nuclear Receptors in Development and Disease
- Workshop 1, 2 and 3: Hot Topics
- Mechanisms: From Structures to Genomes (Joint)
- Metabolic Control and Circadian Rhythms
- Physiology and Metabolism (Joint)
- Cell Fate and Energy Homeostasis
- Coregulators and Gene Expression (Joint)
- Nuclear Receptors in Metabolism
- Nuclear Receptors, Signaling, and Gene Regulation (Joint)

DEADLINES:

Abstract & Scholarship: November 23, 2009

Late-Breaking Abstract: December 28, 2009

Early Registration: January 22, 2010

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*Keynote speaker. ^oJoint speaker. Program subject to change. Current as of October 21, 2009.