Monday, June 8, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:00 - 1:05PM</td>
<td>Welcome</td>
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<tr>
<td>1:05 - 1:50PM</td>
<td>Speaker Introduction:</td>
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<td>1:50 - 2:05PM</td>
<td>Rama Soundararajan</td>
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<td>2:05 - 2:20PM</td>
<td>Caroline Ronzaud</td>
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<td>2:20 - 2:35PM</td>
<td>Adam Whaley-Connell</td>
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<td>2:35 - 3:05PM</td>
<td>Break</td>
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<td>3:05 - 3:20PM</td>
<td>Iris Jaffe</td>
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<td>3:20 - 3:35PM</td>
<td>Naftali Stern</td>
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<td>3:35 - 3:50PM</td>
<td>Roel DeRijk</td>
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**ALDOSTERONE AND THE KIDNEY**

Session Chairs:
David Pearce, University of California, San Francisco, CA, USA
Brian Harvey, Royal College of Surgeons, Ireland, UK

**MR CHARACTERISATION, EXPRESSION AND ACTIVATION**

Session Chairs:
Marc Lombès, INSERM U693, Paris, France
Morag Young, Prince Henry's Institute of Medical Research, Clayton, Australia

**State-of-the-Art Presentation**
Toshiro Fujita
Professor and Chairman of the Department of Internal Medicine
Chief of the Department of Nephrology and Endocrinology
The University of Tokyo

*Signaling Cross-talk Between Rac1 and MR: Implications for Renal Disease and for Non-aldosterone Mediated MR Activation*
3:50 - 4:05PM  Mathilde Munier  
*Expression and Regulation of Mineralocorticoid Receptor during Neuronal Differentiation of Murine Embryonic Stem Cells*

4:05 - 4:20PM  Jyotsna Pippal  
*Characterisation of the Mineralocorticoid Receptor in Zebra Fish (Danio rerio)*

4:20 - 4:35PM  Peter Fuller  
*Pseudohypoaldosteronism: The Index Case Revisited*

### Young Investigator Award Presentations

Session Chairs:  
Gail Adler, Brigham & Women’s Hospital, Boston, MA, USA  
Eleanor Davies, University of Glasgow, Scotland, UK

4:35 - 4:50PM  Celine Latouche  
INSERM U872  
*In Vivo Mineralocorticoid Signaling in Cardiomyocytes: Transcriptomics from Mouse Models with Conditional and Cardiomyocyte-specific Expression of Corticosteroid Receptors*

4:50 - 5:05PM  Riccardo Urbanet  
Department of Medical and Surgical Sciences, University of Padova, Italy  
*Insulin Sensitivity is not Impaired in Visceral Adipose Tissue of Patients with Primary Aldosteronism*

5:05 - 5:20PM  Tim Ziera  
Technical University Berlin, Bayer Schering Pharma AG  
*Identification and Functional Characterization of a Novel Primary Mineralocorticoid Receptor Target Gene*

5:20 - 5:25PM  Announcements and Adjourn

5:30 - 7:30PM  Reception and Poster Viewing

**Tuesday June 9, 2009**

6:30 - 8:00AM  Continental Breakfast

8:00 - 8:45AM  Speaker Introduction:  
Gail Adler, Brigham & Women’s Hospital, Boston, MA, USA  

*State-of-the-Art Presentation*  
Gerard Karsenty  
Professor and Chair, Genetics & Development  
Columbia University Medical School  

The Novel Physiology of Bone
ALDOSTERONE, INSULIN AND ADIPOCYTES

Session Chairs:
Jim Sowers, University of Missouri, Columbia, MO, USA
Maria-Christina Zennaro, INSERM U772, Paris, France

8:45 - 9:00AM Massimiliano Caprio
Modulation of Gene Expression in Rat Adipose Tissue in vivo Following DOC/Salt Treatment for 24h

9:00 - 9:15AM James Luther
Aldosterone Directly Impairs Insulin Secretion in Isolated Perfused Murine Islets

9:15 - 9:30AM Marie Freel
Aldosterone Status Associates with Insulin Resistance in Patients with Heart Failure-data from the ALOFT Study

9:30 - 9:45AM Patricia Underwood
The Association of Single Nucleotide Polymorphisms of the Peroxisome Proliferator-Activated Receptor Gamma (PPARg) Gene with Components of the Renin-Angiotensin-Aldosterone-System (RAAS)

9:45 - 10:15AM Break

MINERALOCORTICOID RECEPTOR AND THE HEART

Session Chairs:
Jane Leopold, Brigham & Women's Hospital, Boston, MA, USA
Frederic Jaisser, INSERM U872, Paris, France

10:15 - 10:30AM Morag Young
Oxidative Stress Promotes Cortisol Activation of the Mineralocorticoid Receptor in the Development of Cardiac Fibrosis

10:30 - 10:45AM Anastasia Susie Mihailidou
Cardioprotection by Spironolactone during Experimental Myocardial Infarction: Partial Agonist and Anti-apoptotic Activity

10:45 - 11:00AM Susana Ravassa
Annexin A5 Mediates Cardiac Aldosterone-induced Apoptosis

11:00 - 11:15AM Diego Alvarez de la Rosa
The Mineralocorticoid Receptor is a Constitutive Nuclear Factor in Mouse Cardiac Myocytes

11:15 - 11:30AM Michel Rossier
Mineralo- and Glucocorticoid Receptors Exert their Chronotropic Action on Spontaneous Cardiomyocyte Contractions through Distinct Mechanisms

11:30 - 11:45AM Jean-Pierre Benitah
Aldosterone: The Missing Link of Diastolic Ca2+ Leak Induced Arrhythmias in Heart Failure?

11:45 - 12:00PM Damien Le Menuet
The Pacemaker Channel HCN1 is a Mineralocorticoid Receptor Target in Embryonic Stem Cell Derived Cardiomyocytes
12:00 - 1:30PM  Luncheon and Young Investigator Awards Presentation

Presentation of Awards:
Gail Adler, Brigham & Women’s Hospital, Boston, MA, USA
Eleanor Davies, University of Glasgow, Scotland, UK

1:30 - 2:15PM Speaker Introduction:
Eleanor Davies, University of Glasgow, Scotland, UK

State-of-the-Art Presentation

Jeffrey R. Bender
Robert I. Levy Professor of Preventive Cardiology
Professor of Medicine and Immunobiology
Associate Chief of the Cardiovascular Medicine Division
Yale University School of Medicine

*Endothelial Membrane Estrogen Receptors: Splice Forms and Relevance in Cardiovascular Pathology*

PRIMARY ALDOSTERONISM AND HYPERTENSION

Session Chairs:
Franco Mantero, University of Padua Medical School, Padova, Italy
David Calhoun, University of Alabama at Birmingham, Birmingham, AL, USA

2:15 - 2:30PM Gian Paolo Rossi
*Impact of Accessory Hepatic Veins on Adrenal Vein Sampling for Identification of Surgically Curable Primary Aldosteronism*

2:30 - 2:45PM Sheerazed Boulkroun
*Transcriptional Analysis and Functional Anatomy of Primary Aldosteronism*

2:45 - 3:00PM Bernhard Schmidt
*Vascular Target Organ Damage is Improved by Low Dose Eplerenone*

3:00 - 3:15PM Samantha Alvarez-Madrazo
*Association of Narrower Regions in CYP11B1/B2 Locus with Hypertension in Caucasians*

3:15 - 3:45PM Break

REGULATION OF ALDOSTERONE PRODUCTION

Session Chairs:
Paula Barrett, University of Virginia, Charlottesville, VA, USA
William Rainey, Medical College of Georgia, Augusta, GA, USA

3:45 - 4:00PM Scott MacKenzie
*Common Genetic Polymorphisms Result in Altered 11β-Hydroxylase and Aldosterone Synthase Transcription in Human Adrenal Cortex*

4:00 - 4:15PM Akira Uruno
*PPARgamma Suppresses Angiotensin II- and Potassium-induced CYP11B2 Expression and Aldosterone Production in Adrenocortical Carcinoma H295 Cells*
4:15 - 4:30PM  Lawrence Olala
*Protein Kinase C and Src Kinase Mediate Angiotensin II-Induced Activation of Protein Kinase D in and Aldosterone Secretion from Bovine Adrenal Glomerulosa Cells*

4:30 - 4:45PM  Yewei Xing
*High Density Lipoprotein Increases Aldosterone Production in Human Adrenocorticotoid Cells by Stimulating Expression of Aldosterone Synthase (CYP11B2)*

4:45 - 5:00PM  Stacy Wood
*MicroRNA: A Novel Post-transcriptional Regulator of 11β-hydroxylase (CYP11B1) & Aldosterone Synthase (CYP11B2)*

5:00 - 5:15PM  Closing Remarks
Gail Adler, Brigham & Women’s Hospital, Boston, MA, USA
Eleanor Davies, University of Glasgow, Scotland, UK