Wednesday, March 30, 2016

1:00 - 1:10 PM  Welcome
Hirotaka Shibata, Conference Chair, Oita University, Faculty of Medicine, Japan

Session I: Molecular Mechanisms

1:10 - 1:50 PM  Senior Investigator Presentation
Gordon H. Williams, MD
Brigham & Women’s Hospital
COMMON GENETIC MODULATORS OF ALDOSTERONE SYNTHESIS AND ACTIVITY: IMPLICATIONS FOR A PERSONALIZED APPROACH TO THE TREATMENT OF ESSENTIAL HYPERTENSION

1:50 - 2:05 PM  Ana P. Davel
SPIRONOLACTONE PREVENTS ENOS UNCOUPLING AND VASCULAR DYSFUNCTION INDUCED BY \( \beta \)-ADRENERGIC OVERSTIMULATION: ROLE OF PERIVASCULAR ADIPOSE TISSUE

2:05 - 2:20 PM  Catalina Sierra-Ramos
SYSTEMIC INCREASE IN SERUM- AND GLUCOCORTICOID-INDUCIBLE KINASE 1 (SGK1) ACTIVITY POTENTIATES MINERALOCORTICOID/NACl-INDUCED HYPERTENSION AND CHRONIC KIDNEY DISEASE

2:20 - 2:35 PM  Kohei Ueda
THE MECHANISM OF BLOOD PRESSURE ELEVATION IN DISTAL NEPHRON-SPECIFIC HSD11B2 KNOCKOUT MICE

2:35 - 2:50 PM  Danielle L. Cullinane
ALDOSTERONE’S AFFECT ON EPIGENETIC REGULATORS AND MTOR SIGNALLING IN THE HEART

2:50 - 3:05 PM  Ross D Feldman
ALDOSTERONE MEDIATES METASTATIC SPREAD OF RENAL CANCER VIA GPER

3:05 - 3:20 PM  Mitsuha Morisaki
ALDOSTERONE SECRETION AND MR SENSITIVITY IN HIGH FAT DIET MICE UNDER EQUALLY-ADJUSTED SALT INTAKE

3:20 - 3:45 PM  Break
### Session II: Young Investigator Competition Presentations

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45 - 4:05PM</td>
<td>Jennifer DuPont</td>
<td>SMOOTH MUSCLE CELL MINERALOCORTICOID RECEPTOR REGULATION OF VASCULAR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MICRORNA-155: A NOVEL MECHANISM FOR VASCULAR DYSFUNCTION AND RISING</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BLOOD PRESSURE WITH AGING</td>
</tr>
<tr>
<td>4:05 - 4:25PM</td>
<td>Kei Omata</td>
<td>ALDOSTERONE PRODUCING CELL CLUSTERS ACCUMULATE WITH AGE IN NORMAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADRENAL GLANDS</td>
</tr>
<tr>
<td>4:25 - 4:45PM</td>
<td>Thiago Bruder-Nascimento</td>
<td>ROLE OF THE NLRP3/INFLAMMASOME ON ALDOSTERONE-INDUCED VASCULAR DAMAGE</td>
</tr>
<tr>
<td>4:45 - 5:05PM</td>
<td>Alessandra Feraco</td>
<td>A NOVEL COMBINED GLUCOCORTICOID-MINERALOCORTICOID RECEPTOR MODULATOR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MARKEDLY PREVENTS WEIGHT GAIN AND FAT MASS EXPANSION IN MICE FED A HIGH-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAT DIET</td>
</tr>
<tr>
<td>5:05 - 5:25PM</td>
<td>Kazutaka Nanba</td>
<td>HETEROGENEITY IN SOMATIC MUTATIONS AND ALDOSTERONE PRODUCTION WITHIN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADRENOCORTICAL ADENOMAS</td>
</tr>
<tr>
<td>5:25 - 5:35PM</td>
<td>Conference Announcements</td>
<td>Hirotaka Shibata, Conference Chair, Oita University, Faculty of Medicine, Japan</td>
</tr>
<tr>
<td>5:35 - 7:30PM</td>
<td></td>
<td>Reception and Poster Viewing</td>
</tr>
</tbody>
</table>
Thursday, March 31, 2016

8:00 - 8:55AM Joint Session: The International Aldosterone Conference (IAC) and the Vitamin D Workshop

Session Co-chairs: Marie Demay, Program Chair of the Vitamin D Workshop
Hirotaka Shibata, Program Chair of the IAC

Basic/Translational Plenary Lecture

Paolo Sassone-Corsi, PhD
Irvine, CA, USA

THE INTERPLAY BETWEEN NUTRITION, METABOLISM, MICROBIOTA AND THE CIRCADIAN CLOCK

8:55 - 9:15AM BREAK

Session III: Receptor-mediated Mechanisms in Aldosterone Action

9:15 - 9:45AM Senior Investigator Presentation
Frederic Jaisser, MD, PhD
INSERM U1138 Cordeliers Research Center

REPOSITIONING MINERALOCORTICOID RECEPTOR ANTAGONISTS: PATHOPHYSIOLOGICAL BASIS AND THERAPEUTIC IMPLICATIONS

9:45 - 9:55AM Questions & Answers

9:55 - 10:10AM Jessica A. Chadwick
MINERALOCORTICOID RECEPTOR REGULATION IN SKELETAL MUSCLE

10:10 - 10:25AM Toshifumi Nakamura
INTESTINAL EPITHELIAL MINERALOCORTICOID RECEPTOR REGULATES BLOOD PRESSURE THROUGH COLONIC ENAC-MEDIATED SODIUM ABSORPTION

10:25 - 10:40AM Anastasia S. Mihailidou
MUSCULOSKELETAL DISEASE IN DIABETES: A ROLE FOR ACTIVATION OF MINERALOCORTICOID RECEPTORS?

10:40 - 10:55AM Eric J. Belin de Chantemele
THE ADIPOCYTE-DERIVED HORMONE LEPTIN IS A DIRECT REGULATOR OF ALDOSTERONE SECRETION, WHICH PROMOTES ENDOTHELIAL DYSFUNCTION AND CARDIAC FIBROSIS

10:55 - 11:05AM Sheerazed Boulkroun
RETINOIC ACID RECEPTOR SIGNALING CONTRIBUTES TO ADRENAL CORTEX MORPHOLOGY AND FUNCTIONAL ZONATION

11:10 - 11:25AM Simon Travers
ALDOSTERONE IN NEWBORNS: TOO MUCH OR TOO LITTLE, PARTIAL DEFICIENCY OF CYP11B1 ACTIVITY IN VERY PRETERMS
SUPPRESSIVE EFFECTS OF RETINOID X RECEPTOR (RXR) AGONIST PA024 ON ADRENAL CYP11B2 EXPRESSION, ALDOSTERONE SECRETION, AND BLOOD PRESSURE

Luncheon and Presentation of Young Investigator Competition Awards

Session IV: Diagnosis of Primary Aldosteronism

1:00 - 1:30PM  
Senior Investigator Presentation  
Hironobu Sasano, MD, PhD  
Tohoku University School of Medicine  

NOVEL CLASSIFICATION OF NEOPLASTIC AND NON-NEOPLASTIC PRIMARY ALDOSTERONISM

1:30 - 1:40PM  
Questions & Answers

1:40 - 1:55PM  
Teo Ada  
SOMATIC CTNNB1 MUTATIONS CAUSE ADRENOCORTICAL CELL DE-DIFFERENTIATION, AND A SUBTYPE OF ALDOSTERONE-PRODUCING ADENOMA PRESENTING IN PREGNANCY OR MENOPAUSE

1:55 - 2:10PM  
Hisae Ando  
ROLE OF CONFIRMATORY TESTS FOR PRIMARY ALDOSTERONISM SUBTYPE DIAGNOSIS

2:10 - 2:25PM  
Fumitoshi Satoh  
THE ACCURATE NOVEL TEN MINUTES MEASUREMENTS OF ALDOSTERONE AND ACTIVE RENIN CONCENTRATIONS WILL BE USEFUL AT OUTPATIENT OFFICE

2:25 - 2:40PM  
Gian Paolo Rossi  
ASSESSMENT OF THE QUANTITATIVE VALUE OF THE ALDOSTERONE-RENIN RATIO (ARR) FOR PRIMARY ALDOSTERONISM (AQUARR) STUDY

2:40 - 3:15PM  
BREAK

Session V: Clinical Aspects of Aldosteronism

3:15 - 3:30PM  
Mitsuhide Naruse  
MULTICENTER APPROACH FOR BETTER EVIDENCE OF DIAGNOSIS AND TREATMENT OF PRIMARY ALDOSTERONISM: WAVES-J AND JPAS

3:30 - 3:45PM  
Hironobu Umakoshi  
ADRENAL VENOUS SAMPLING IN PATIENTS WITHOUT PRIMARY ALDOSTERONISM

3:45 - 4:00PM  
Giacomo Rossito  
METOCLOPRAMIDE UNMASKS FAKE CONTRALATERAL SUPPRESSION IN SUBTYPING OF PRIMARY ALDOSTERONISM BY ADRENAL VEIN SAMPLING

4:00 - 4:15PM  
Yoshitsugu Iwakura  
RENAL RESISTIVE INDEX PREDICTS POSTOPERATIVE BLOOD PRESSURE OUTCOMES IN PRIMARY ALDOSTERONISM
4:15 - 4:30PM  Hiroki Shimada  
*AN APPROACH TO IDENTIFY THE UNDETERMINED ADIPOCYTE-DERIVED FACTOR(S) THAT STIMULATE ALDOSTERONE SYNTHASE GENE (CYP11B2) EXPRESSION*

4:30 - 4:45PM  Closing Remarks:

Hirotaka Shibata, Conference Chair, Oita University, Faculty of Medicine, Japan  
Gian Paolo Rossi, University of Padova, Italy  
Gordon Williams, Brigham & Women’s Hospital, Boston, USA

Meeting Adjourns