

May 12, Sunday 2019

Oral Sessions:

Room: Sakura1

8:00-8:25 **Uric acid 2**

Chair: Shunya Uchida (International Exchange Center Teikyo Heisei University, Japan)

**Lecture 14** The 3rd edition guideline for management of hyperuricemia and gout in Japan: Strategy for treatment of hyperuricemia associated with chronic kidney disease and cardiovascular disease

**Ichiro Hisatome**

Division of Regenerative Medicine and Therapeutics, Tottori University Graduate School of Medical Science, Japan

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8:30-8:55 **Uric acid 3**

Chair: Mariko Miyazaki (Department Nephrology, Endocrinology And Vascular Medicine Tohoku University Graduate School of Medicine, Japan)

**Lecture 15** Hyperuricemia and renal arteriolopathy  
-fundamental link to CKD and CVD-

**Kentaro Kohagura**

Dialysis Unit, University of the Ryukyus Hospital, Okinawa, Japan

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9:00-9:45 **RAS**

Chair: Akira Nishiyama (Department of Pharmacology, Kagawa University Medical School, Japan)

9:00-9:25 **Lecture 16** Angiotensinogen small interfering RNA as a new tool to combat cardiovascular disease.

**A. H. Jan Danser**

Erasmus MC, The Netherlands

9:25-9:45 **Lecture 17** Contribution of soluble (pro)renin receptor to the maintenance of oxidative metabolism in hypoxic trophoblasts

**Atsuhiko Ichihara**

Dept. of Endocrinology and Hypertension, Tokyo Women's Medical University, Japan

9:45-10:15 **AT1 receptor**

Chair: Toshio Yamagishi (Department of Internal Medicine, Tohoku Kosai Hospital, Japan)

**Lecture 18** Potential novel approach via functionally selective modulation of angiotensin receptor signaling: Focus on angiotensin receptor-binding molecule ATRAP

**Kouichi Tamura**

Department of Medical Science and Cardiorenal Medicine, Yokohama City University Graduate School of Medicine, Japan

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**10:25-11:05 MR and salt**

Chairs: Toshiro Fujita (Research Center for Advanced Science & Technology, The University of Tokyo, Japan)  
Akira Nishiyama (Department of Pharmacology, Kagawa University Medical School, Japan)

10:25-10:45 **Lecture 19** Mechanisms regulating mineralocorticoid receptor signaling in the kidney  
**Shigeru Shibata**  
Teikyo University School of Medicine, Japan

10:45-11:05 **Lecture 20** Esaxerenone a third generation MR blocker  
**Sadayoshi Ito**  
Katta General Hospital, Japan

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**11:05-11:55 Aldosterone 2**

Chairs: Adina Turcu (University of Michigan, USA)  
Sadayoshi Ito (Katta General Hospital, Japan)

11:05-11:30 **Lecture 21** Aldosteronism~history and clinical devices update in Tohoku University~  
**Fumitoshi Satoh**  
Division of Clinical Hypertension, Endocrinology & Metabolism,  
Tohoku University Graduate School of Medicine;  
Division of Nephrology, Endocrinology and Vascular Medicine,  
Tohoku University Hospital,  
Sendai, Japan

11:30-11:55 **Lecture 22** Interesting Cases of Primary Aldosteronism  
**William F. Young Jr.**  
Division of Endocrinology, Diabetes, Metabolism, Nutrition, and Internal Medicine, Mayo Clinic, Rochester, Minnesota, USA

**11:55-12:35 Cardio-Renal complications in Diabetes with lunch**

Chair: Fumitoshi Satoh (Division of Clinical Hypertension, Endocrinology & Metabolism, Tohoku University Graduate School of Medicine; Division of Nephrology, Endocrinology and Vascular Medicine, Tohoku University Hospital, Sendai, Japan)

**Lecture 23** Focus on mineralocorticoid receptors antagonist and sodium glucose cotransporter 2 inhibitor in the treatment of heart failure  
**Michihiro Yoshimura**  
The Jikei University School of Medicine, Japan

Co-Sponsored by Mitsubishi Tanabe Pharma Co., Ltd. & Daiichi-Sankyo Co., Ltd.

**12:45-13:45 Aldosterone 3**

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Chairs: Paolo Mulatero (University of Torino, Italy)

Tomoaki Tanaka (Department of Molecular Diagnosis, Chiba University Graduate School of Medicine, Japan)

12:45-13:00 **Lecture 24** "Mineral metabolism(calcium, PTH and osteoporosis) and aldosteronism"

**Yumie Rhee**

Yonsei University College of Medicine, Korea, Republic of

13:00-13:25 **Lecture 25** The Dichotomy of Primary Aldosteronism Subtypes: Fact or Fantasy?

**Adina Turcu**

University of Michigan, USA

13:25-13:45 **Lecture 26** Metabolic signatures of cholesterol and adrenal steroids in preeclampsia

**Man-Ho Choi**

Korea Institute of Science and Technology, Korea

**13:45-14:35 Aldosterone 4**

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Chairs: Felix Beuschlein (Professor of Internal Medicine/Endocrinology and Director of the Clinic for Endocrinology, Diabetology and Clinical Nutrition at the University Clinic Zurich, Switzerland)

Maria-Christina Zennaro (INSERM, U970, Paris Cardiovascular Research Center, Paris, France / University Paris Descartes, Paris / Hôpital Européen Georges Pompidou, Genetics Department, Paris)

13:45-14:15 **Lecture 27** Genes, hyperaldosteronism and outcomes: the PASO and PROPASO studies

**Martin Reincke**

Medizinische Klinik und Poliklinik IV– Innenstadt, Klinikum der Ludwig-Maximilians-Universität München, Germany

14:15-14:35 **Lecture 28** Pathogenesis of Familial Hyperaldosteronism Type II: A Novel Anion Channelopathy

**Michael Stowasser**

Endocrine Hypertension Research Centre, University of Queensland Diamantina Institute, Greenslopes and Princess Alexandra Hospitals, Australia

**14:45-15:55 Aldosterone 5**

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Chairs: William E. Rainey (Departments of Molecular & Integrative Physiology and Internal Medicine , University of Michigan, U.S.A.)

Yoshiyu Takeda (Department of Internal Medicine, Kanazawa University, Japan)

14:45-15:15 **Lecture 29** Hot topics in the Pathophysiology of Primary Aldosteronism – Functional consequences and clinical predictions from novel somatic mutations

**Morris Brown**

William Harvey Research Institute, Barts and the London Medical School, Queen Mary University of London, UK

15:15-15:35 **Lecture 30** Hot topics in the pathophysiology of aldosteronism

**Maria-Christina Zennaro**

INSERM, U970, Paris Cardiovascular Research Center, Paris, France / University Paris Descartes, Paris / Hôpital Européen Georges Pompidou, Genetics Department, Paris

15:35-15:55 **Lecture 31** Pathology update of aldosterone producing lesion in 2019

**Hironobu Sasano**

Department of Pathology, Tohoku University School of Medicine, Japan

**15:55-16:25 Aldosterone 6**

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Chair: William F. Young, Jr. (Division of Endocrinology, Diabetes, Metabolism, Nutrition, and Internal Medicine, Mayo Clinic, Rochester, Minnesota, USA)

15:55-16:10 **Lecture 32** Epigenesis of CYP11B2 and B1

**Yoshiyu Takeda**

Department of Internal Medicine, Kanazawa University, Japan

16:10-16:25 **Lecture 33** Rethink surgical option for treating unilateral and bilateral aldosteronism

**Tetsuo Nishikawa**

Yokohama Rosai Hospital / Nishikawa Clinic, Japan

**16:40-17:20 Aldosterone 7**

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Chair: Morris Brown (William Harvey Research Institute, Barts and the London Medical School, Queen Mary University of London, UK)

16:40-17:00 **Lecture 34** Hot topics in primary aldosteronism

**Felix Beuschlein**

Professor of Internal Medicine/Endocrinology and Director of the Clinic for Endocrinology, Diabetology and Clinical Nutrition at the University Clinic Zurich, Switzerland

17:00-17:20 **Lecture 35** Aldosterone-independent activation of mineralocorticoid receptor in salt-sensitive hypertension and glomerular diseases

**Toshiro Fujita**

Research Center for Advanced Science & Technology, The University of Tokyo, Japan

**17:20-18:05 Aldosterone 8**

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Chair: Toshiro Fujita (Research Center for Advanced Science & Technology, The University of Tokyo, Japan)

17:20-17:40 **Lecture 36** A novel mouse model with inducible / reversible aldosteronism

**William E. Rainey**

University of Michigan, Department of Molecular and Integrative Physiology, USA

17:40-18:05 **Lecture 37** Genetics of Human Hypertension: Focus on Hormonal Mechanisms

**Gordon Williams**

Harvard Medical School, USA