

December 5-6, 2013

Thursday, December 5, 2013

20:00 - 22:00 Welcome Dinner
Restaurant Chez Françoise, Aérogare des Invalides - 75007 PARIS

Friday, December 6, 2013

8:30 - 9:00 Meeting Venue

9:00 - 9:10 **Welcome address**
Maria-Christina Zennaro, President ESAC France

9:10- 10:50 **Mineralocorticoid receptor and ENaC in physiology and disease**
Session Chairs: **TBD**

9:10 - 9:30 **Brian Harvey, Department Molecular Medicine, Dublin, Ireland**
Non-genomic signaling through the mineralocorticoid receptor

9:30 - 9:50 **Edith Hummler, University of Lausanne, Switzerland**
Role of the glucocorticoid receptor in salt balance

9:50 - 10:05 **Jean-Pierre Benitah, Inserm, Chatenay Malabry**
Molecular mechanism involved in MR upregulation of the cardiac L-type Ca²⁺ channels

10:05 - 10:20 **Verena Drüppel, University of Muenster, Institute of Physiology II, Muenster**
Correlation of endothelial ENaC function with vascular stiffness in humans

10:20 - 10:35 **Sumedha Malsure, University of Lausanne**
Colon-specific deletion of ENaC and CAP1/Prss8 causes fecal sodium loss compensated by aldosterone-mediated sodium retention in the kidney

10:35 - 10:50 **Christoph Korbmacher, Friedrich-Alexander-Universität Erlangen-Nürnberg**
Increased activity of the Epithelial Sodium Channel (ENaC) in the late distal convoluted tubule and early connecting tubule in a mouse model for Liddle's syndrome

10:50 - 11:20 Coffee Break

11:20- 13:00 **Aldosterone and Cardiovascular Function**
Session Chairs: **TBD**

11:20- 11:40 **Iris Z. Jaffe, Tufts Medical Center, Cambridge, MA**
The mineralocorticoid receptor and vascular dysfunction

11:40- 12:00 **Natalia López-Andrés, Cardiovascular Translational Research Center, Navarra, Pamplona, Spain**
Galectin-3 mediates aldosterone-induced vascular fibrosis

- 12:00- 12:15 **Maria Bretschneider, Martin Luther University Halle-Wittenberg**
The potential role of miR-29b in aldosterone-induced vascular smooth muscle cell pathophysiology
- 12:15- 12:30 **Antoine Tarjus, Centre de Recherche des Cordeliers, Paris (12 min + 3)**
Endothelial α ENaC subunit is crucial to shear stress sensing and endothelial stiffness
- 12:30- 12:45 **Tiphaine Mannic, University of Geneva, Geneva**
How anti-Apolipoprotein-A-1 IgGs sensitize aldosterone induced chronotropic effect in cardiac cells?
- 12:45- 13:00 **Alexandre Gueret, Inserm U1096, Rouen Medical School, Rouen**
Mineralocorticoid Receptor overexpression in mice cardiomyocyte reduces in vivo coronary reserve and induces diastolic dysfunction
- 13:00 -14:00 **Lunch**
14:00 -15:00 **Poster Session**
- 15:00 -16:30 **Normal and pathological aldosterone biosynthesis**
Session Chairs: **TBD**
- 15:00 -15:20 **Martin Reincke, Ludwig-Maximilians-Universität Munich, Germany**
The genetic basis of aldosterone producing adenoma
- 15:20 -15:40 **Eleanor Davies, University of Glasgow, Scotland**
Transcriptional regulation of aldosterone biosynthesis
- 15:40 -15:55 **Fabio Luiz Fernandes-Rosa, Inserm UMR970, PARCC, Paris**
Prevalence of KCNJ5, CACNA1D, ATP1A and ATP2B3 mutations in aldosterone producing adenoma
- 15:55 -16:10 **Tracy Ann Williams, University of Torino, Torino**
Somatic ATP1A1, ATP2B3 and KCNJ5 mutations in aldosterone-producing adenomas
- 16:10 -16:25 **Gabriella Donà, University of Padova, Padova**
Human red blood cell alterations in primary aldosteronism
- 16:25 -16:50 Coffee Break
- 16:50- 18:15 **New diagnostic and therapeutic opportunities**
Session Chairs: **TBD**
- 16:50- 17:10 **Gian-Paolo Rossi, University of Padova, Italy**
Optimization of the diagnostic approach to PA
- 17:10- 17:30 **Brian Walker, Centre for Cardiovascular Science, University of Edinburgh, Scotland, UK**
MR occupancy in metabolic syndrome - does the head rule the heart

- 17:30-17:45 **Jean-Philippe BERTOCCHIO, CHU de Reims et INSERM U872**
Does mineralocorticoid receptor antagonism could alleviate cyclosporin-induced nephrotoxicity in renal transplant recipients?
- 17:45-18:00 **Emmanuelle Kuhn, Inserm U693, Université Paris Sud, Le Kremlin-Bicêtre**
MR-overexpressing macrophages impaired adipogenesis: paradoxical resistance to high fat diet-induced obesity in transgenic mice
- 18:00-18:15 **Alessandra Feraco, IRCCS San Raffaele Pisana, Rome (**
Role of Mineralocorticoid Receptor in the regulation of autophagic rate and differentiation of the adipose organ and skeletal muscle
- 18:15 - 18:30 **L. Fazal, Inserm UMR-S 942, Hôpital Lariboisière, Paris**
Akt-mediated cardioprotective effects of aldosterone in type 2 diabetic mice
- 18:30 - 18:40 ***Closing Remarks***
Johann Bauersachs, President ESAC Germany

Location and Travel information:

Meeting venue

Paris Cardiovascular Research Center – PARCC
 Hôpital Européen Georges Pompidou- HEGP
 56, rue Leblanc,
 75015 Paris - France

From Hotel Mercure XV: take metro line 8 at metro station Boucicaut to metro station Balard

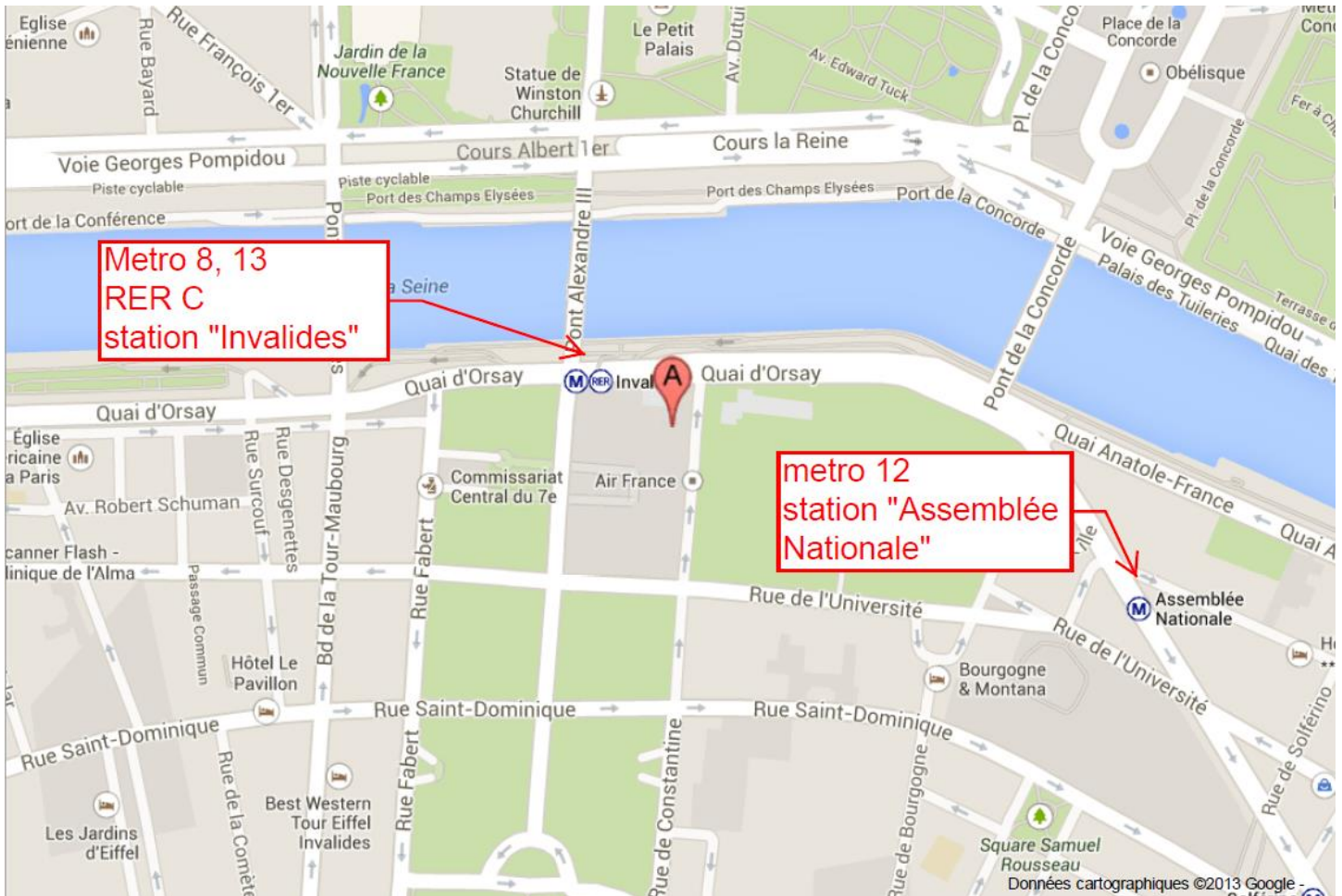
From Hotel BEST WESTERN Eiffel Cambronne Paris XV: take metro line 8 at metro station Commerce to metro station Balard



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BEST WESTERN Eiffel Cambronne Paris XV
46 rue de la Croix Nivert 75015 Paris
+33 (0) 1 56 58 56 78

