

The THALYS Pulmonary Circulation Consortium

Paris - Amsterdam - Brussels

14th/15th, March, 2014

Faculté de Médecine Paris-Sud

63 Rue Gabriel Péri,
94270 Le Kremlin-Bicêtre

The THALYS Pulmonary Circulation Consortium 2014

Friday 14th, March

12:30 pm: Buffets and Coffee (BROCA room)

14:00 pm: Welcome from the host institution: Prof. Marc Humbert,
South Paris University, vice dean and director INSERM UMR_S 999
(BOURNEVILLE meeting room)

Growth Factors, Tyrosine Kinase Inhibitors and Pulmonary Arterial Hypertension (PAH)

Chairs: Laurence Dewachter - Pia Trip - David Montani

14:15 – 14:35

Main lecture (15min+5min)

Christophe Guignabert: Growth Factors in Pulmonary Arterial Hypertension

Short lecture (10min+5min)

14:35_ **Andrei Seferian:** Dasatinib-induced pulmonary arterial hypertension

14:50_ **Michiel de Raaf:** The effects of triple angiokinase inhibitor nintedanib in experimental pulmonary hypertension

15:05_ **Ielham Hadad:** What are the effects of SDF-1 alpha on neonate cardiomyocytes?

Global Discussion (10min)

15:30-15:45 Coffee Break (BROCA room)

Autoimmunity, Inflammation and PAH

Chairs: Sylvia Cohen-Kaminsky - Morane Le Hiress - Céline Dewachter

15:45-16:05

Main lecture (15min+5min)

Frédéric Perros: Immune Dysregulation in Pulmonary Arterial Hypertension

Short lecture (10min+5min)

16:05_ **Samantha Gomart:** Leptin-induced vasoreactivity in spontaneously hypertensive rats: Role of transient receptor potential cation channels (TRPC)

16:20_ **Alice Huertas:** Leptin inhibition attenuates regulatory T lymphocyte impairment and prevents experimental pulmonary hypertension

16:35_ **Onno Spruijt:** Right ventricular function in patients with scleroderma-associated pulmonary hypertension

Global Discussion (10min)

Check in at Hotel Companile – Porte d'Italie

Free time in Paris

19:30 Dinner at Mavrommatis, 42 rue Daubenton, 75005 Paris

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Saturday 15th, March

9:30 coffee (BOURNEVILLE room)

Genetic Factors in PAH

Chairs: Rozen Quarck – Barbara Girerd – Harm Jan Bogaard

10:00-10:20

Main lecture (15min+5min)

Florent Soubrier: Genetics of Pulmonary Arterial Hypertension

Short lecture (10min)

10:20_ **Mélanie Eyries:** Mutations causing familial pulmonary veno-occlusive disease

10:35_ **Cathelijne van der Bruggen:** The role of BMPR2 signalling on right ventricular adaptation in PAH-patients

10:50_ **Hidekazu Maruyama:** Endothelin contributes to the downregulation of the BMPR2 signaling observed in PAH.

Global Discussion (10min)

11:00-11:30 *Coffee Break* (BOURNEVILLE room)

Pathophysiology of PAH

Chairs: Peter Dorfmueller – Esther Nossent – Frances de Man

11:30_ **Nina Rol:** TGF β /BMP signalling and shear responses on lung microvascular endothelial cells

11:45_ **Pierantonio Laveneziana:** Exercise in Pulmonary Arterial Hypertension

12:00_ **Martine Makanga:** Treatment with simvastatin ameliorates pulmonary hypoplasia and pulmonary vascular remodeling in experimental nitrofen-induced congenital diaphragmatic hernia

12:15_ **Jasmijn van Campen:** β -blocker usage in iPAH: a randomized controlled trial

Global Discussion (10min)

12:25 Conclusion and next steps (Marc Humbert, Robert Naeije, Anton Vonk Noordegraaf)

12:30 Buffets at Relai H