



Research Seminar
Sleep apnoea and its consequences: from animal models to precision medicine
25-26 January 2024
Lisbon, Portugal

Thursday, 25 January 2024

	Welcome and introduction by organisers
09:00-09:15	M. Sánchez-de-la-Torre, R. Heinzer
	Session 1:
	<i>Basic models to explore the deleterious effect of sleep apnoea: Depicting predictors of sleep apnoea-related comorbidities</i>
	Chairs: S. Ryan, A. Azarbarzin
09:15-09:45	Exploring the deleterious consequences of OSA in animal models – C. Arnaud
09:45-10:15	Algorithms approach to stratify risk of OSA co-morbidity outcomes: Hypoxic burden, pulse wave amplitude and heart rate variability – R. Heinzer
10:15-11:00	<i>Coffee break and poster viewing</i>
11:00-11:30	Artificial intelligence and risk stratification in OSA: Benefits and limitations – M. Blanchard
11:30-12:00	OMICS data as predictors of co-morbidity outcomes in OSA – R. Cortese
12:00-12:45	Panel discussion - C. Arnaud, R. Heinzer, M. Blanchard, R. Cortese
12:45-14:00	<i>Lunch</i>
	Oral Presentations
	Chair: C. Lombardi
14:00-14:10	OP01 - PCSK9 as a new player in intermittent hypoxia-induced vascular alterations
	Anne Briançon-Marjollet (France)
14:10-14:13	<i>Q&A</i>
14:13-14:23	OP02 - Rearrangement of Cell Types in the Rat Carotid Body Neurogenic Niche Induced by Chronic Intermittent Hypoxia
	Candela Caballero-Eraso (Spain)
14:23-14:26	<i>Q&A</i>
14:26-14:36	OP03 - Real World Evidence using Causal Inference of Positive Airway Pressure Utilisation on Cardiovascular Incidence and Mortality
	Diego R Mazzotti (USA)
14:36-14:39	<i>Q&A</i>

All times are in Western European Time (WET).



14:39-14:49	OP04 - A new classification enables precision medicine to improve adherence to Continuous Positive Airway Pressure in obstructive sleep apnoea Amanda Sathyapala (UK)
14:49-14:51	<i>Q&A</i>
14:51-15:00	<i>Discussion</i>
	Session 2: <i>Endotypes and susceptibility to the clinical consequences of sleep apnoea</i> Chairs: M Pengo, Y. Peker
15:00–15:30	Why are the RCTs neutral? Exploring potential ceiling effect of deleterious consequences of sleep apnoea – M. Sánchez-de-la-Torre
15:30-15:50	<i>Coffee break</i>
15:50–16:20	One size does not fit for all: Identify the clinical utility of sleep apnoea signals in specific endotypes – O. Cohen
16:20-16:50	Differential contribution of OSA to cardiovascular, cognitive and metabolic disease/outcome – J.L. Pépin
16:50–17:30	Panel discussion - M. Sánchez-de-la-Torre, O. Cohen, J.L. Pépin
17:30-18:30	<i>Aperitif in the poster area</i>

Friday, 26 January 2024

	Session 3: <i>ERS Assembly 4 Task Force: Upcoming research scenarios</i> Chairs: W. Randerath, F. Gagnadoux
08:30-09:00	Putting all the pieces together: Exploring alternative study designs in OSA – J.L. Pépin
09:00–09:30	Real-World data analysis: Opportunities and challenges of using big data in OSA – J. de Batlle
09:30-10:30	<i>Coffee break and poster viewing</i>
10:30–11:00	The sleep revolution” project– W. McNicholas
11:00–11:30	“ESADA” future perspective – W. McNicholas
11:30–12:15	Panel discussion - J.L. Pépin, J. de Batlle, W. McNicholas
12:15-13:00	Closing remarks – M. Sánchez-de-la-Torre, R. Heinzer
13:00-14:00	<i>Lunch and departure</i>

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