

Circadian and Sleep Disturbances as Harbingers of Neurodegeneration | 1-2 March 2023

Council Room, 170 Queen's Gate, South Kensington, London
UK DRI Centre at Imperial

Programme:

Day 1 – Wednesday, May 01		
10.30 – 10.45	Arrival / morning coffee	
10.45 – 11.00	Welcome and introduction to the workshop	Bill Wisden / Marco Brancaccio
11.00 – 11.30	Séverine Sabia	<i>From sleep to circadian rhythm as predictors of dementia</i>
11.30 – 12.00	Liz Coulthard	<i>Sleep for better brain health</i>
12.00 – 12.45	Ying-Hui Fu	<i>Genetic sleep variants protect against AD</i>
12.45 – 1.45	Lunch	
1.45 – 2.15	Derk-Jan Dijk	<i>Intra-individual variation in sleep and symptoms in dementia</i>
2.15 – 2.45	Cynthia Sandor	<i>Wearable devices can identify Parkinson's disease up to 7 years before clinical diagnosis</i>
2.45 – 3.15	Daniela Noain	<i>Sleep and Neurodegeneration: A malleable two-way relationship?</i>
3.15 – 3.45	Jason Rihel	<i>Amyloid beta regulation of sleep and clearance in zebrafish</i>
3.45 – 4.15	Break	
4.15 – 4.45	Marc Busche	<i>A surprising connection between amyloid precursor proteins and sleep-slow oscillations</i>
4.45 – 5.15	Bill Wisden	<i>How poor sleep impacts dementia-related pathology</i>
5.15 – 6.00	Discussion and Close of Day 1	
	Speakers' Dinner	

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Day 2 – Thursday, May 02		
9.30 – 9.45	Arrival / morning coffee	
9.45 – 10.15	Marco Brancaccio	<i>Mechanisms of circadian dysfunction in Alzheimer's disease.</i>
10.15 – 10.45	Audrey Chagnot	<i>The glymphatic system – nightly tides in the brain?</i>
10.45 – 11.15	Nick Franks	<i>The function of sleep - the role of brain clearance</i>
11.15 – 11.30	Break	
11.30 – 12.00	Ivana Rosenzweig	<i>Obstructive Sleep Apnoea, Neuroinflammation and Dementia: A Tripartite Relationship?</i>
12.00 – 12.30	Jenny Morton	<i>Sleep and EEG abnormalities in Huntington's disease</i>
12.30 – 1.30	Lunch	
1.30 – 2.00	Nir Grossman	<i>The dynamics of awake-sleep brain state transition</i>
2.00 – 2.30	Vlad Vyazovskiy	<i>Local and global regulation of sleep</i>
2.30 – 3.30	Discussion and close of meeting	

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