Convergence of vascular Brain and Kidney multi-omics

Bordeaux (France) - Manchester (UK)

February 28th 2025

10 am: Unit Visit: UMR 1036, Biology of cardiovascular disease, Avenue Magellan, Pessac, France

11 am: iPSC model of small vessel disease - Pr Tao Wang, University of Manchester

ISPED Building
Université de Bordeaux, 146 rue Léo Saignat, Bordeaux
Bordeaux Population Health UMR 1219

12:30 pm: Lunch (Mann Room)

Amphi Louis

2 pm: Welcome Address – Pr Laurent Servant, Vice-President of University of Bordeaux, Pr Stéphanie Debette, Pr Sébastien Rubin, University of Bordeaux

2:15 pm: Genes of human hypertension – insights into kidney omics - Pr Maciej Tomaszewski University of Manchester

3 pm: Genomics of cerebral small vessel disease across the lifespan and across ancestries - Pr Stéphanie Debette, University of Bordeaux

3:45 pm Genomics of chronic kidney disease - Dr Amber Emmet, University of Manchester

4 pm: Using genomics as a tool to decipher the role of blood pressure in cervical artery dissection - Quentin Legrand, University of Bordeaux

4:15 pm: Coffee Break (Mann Room)

4:45 pm: Structural variants, gene expression and hypertension - Shadi Hames-Fathi, University of Manchester

5 pm: Decoding Tissue Microenvironments with Spatial Transcriptomics: Methods and Insights - Bérénice Dugue, University of Bordeaux

5:15 pm: Integrative analyses of plasma proteomics - Yong Sun, University of Manchester

Ce travail a bénéficié d'une aide de l'État gérée par l'Agence Nationale de la Recherche au titre de France 2030 portant la référence « ANR-23-IAHU-0001 ».

5:30 pm: Proteogenomic of cerebral small vessel disease - Ilana Caro, University of Bordeaux

5:45 pm: GWAS of diabetic kidney disease - Dr David Scannali, University of Manchester

6 pm: Break

8 pm: Dinner, **Café du Port** *1 Quai Deschamps, Bordeaux (TBC)*

March 1st 2025

ISPED Building
Université de Bordeaux, 146 rue Léo Saignat, Bordeaux
Bordeaux Population Health UMR 1219

12- 4 pm: Interactive workshop Bordeaux-Manchester

What next in modern omics - round the table discussion

1. Genomics (lead: Maciej Tomaszewski)
2. Transcriptomics (lead: Shadi Hames-Fathi_
3. Epigenomics (lead: Amber Emmett)
4. Proteomics (lead: Yong Sun)
5. Other omics (lead: Sebastien Rubin).

4pm: End of the session

7:30 pm: Dinner (TBD)

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