



ILAE British Branch Young Epilepsy Section

BENCH TO BEDSIDE: Translational research in Epilepsy

Mercure Liverpool Atlantic Tower Hotel, Liverpool

Sunday 20th October 2024

Morning session; Bench

10.30-10:45 Welcome

10.45- 11.30 Keynote Lecture – Dr Rob Wykes

The potential of Graphene-enabled electrophysiology for advancing epilepsy research

11.30-12.30 Delegate Presentations

- 1.** Dr Aditi Kibe, University of Warwick - L-aspartate signalling in the brain and mechanisms of seizure generation
- 2.** Dr Neela Codadu, University College London - Natural history of seizures, spreading depolarizations and seizure-associated spreading depolarization in mouse models of epilepsy
- 3.** Dimitrios Champsas, Aston University- Title- Improving understanding of Febrile Infection Related Epilepsy Syndrome (FIRES) in children and young people

Lunch 12.30-13.30

Afternoon session; Towards Bedside

13.30- 14.15 Keynote Lecture – Professor Gabriele Lignani

Gene therapy for epilepsy: from bench to bedside

14.15-15.15; Delegate Presentations

1. Dr Amol Bhandare, University of Warwick - Microglia modify development of breathing phenotype in chronic epilepsy

2.

3.

Break 15.15-15-45

15.45-16.30 Keynote Lecture – Dr Sukhvir Wright

Immune-mediated epilepsy and encephalitis – a bench, brain imaging and bedside approach

16:30 Thanks and closure.