

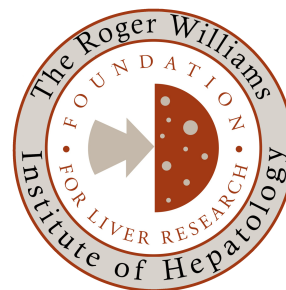
# THE ROGER WILLIAMS INSTITUTE OF HEPATOLOGY

**AFFILIATED TO KING'S COLLEGE LONDON  
and KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST**

**The Foundation for Liver Research  
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## **Brain-Liver Axis Workshop: establishing a working collaborative network**

*Thursday 19<sup>th</sup> May 2022*

*Roger Williams Institute of Hepatology, 111 Coldharbour Lane, London, SE5 9NT*

### **Aim of the meeting**

The focus of this meeting is to bring together a community of investigators that are interested in the Brain-Liver Axis, particularly in reference to the role of the gut microbiome. This one-day workshop will be focused on cutting-edge research in this area to inform discussions on the challenges and future directions to the progression of this field and to identify specific research opportunities for collaborations.

### **Programme**

09.30 – 09.35

#### **Welcome and introductory remarks**

Acting director Dr. Shilpa Chokshi, The Roger Williams Institute of Hepatology and King's College London

### **KEYNOTE LECTURE**

Chair: Dr. Anna Hadjihambi

09.35 – 09.40

Introduction of the keynote speaker

09.40 – 10.30

**Keynote speaker:** Prof. Debbie Shawcross, King's College Hospital  
Title: *When the diseased liver disrupts the brain*

10.30 – 11.00

*Coffee break*

## **Session 1: Neurodegeneration and liver dysfunction**

### **PART 1**

Chairs: Dr. Shilpa Chokshi & Prof. Debbie Shawcross

11.00 – 11.30

Dr. Anna Hadjihambi, The Roger Williams Institute of Hepatology and King's College London  
Title: *Rescuing the brain from fatty liver: The role of the monocarboxylate transporter-1*

11.30 – 12.00

Dr. Dorina Cadar, Brighton and Sussex Medical School  
Title: *The role of lifestyle behaviours and obesity on dementia*

12.00 – 12.30

Prof. Lesley Hoyles, Nottingham University  
Title: *Microbiome-associated metabolites and the gut-brain axis*

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12.30 – 13.30 Lunch break

**Session 1: Neurodegeneration and liver dysfunction**  
**PART 2**

13.30 – 14.00 Dr. Fiona Harrison, Vanderbilt University Medical Center, USA  
Title: *High fat diet, brain and liver changes in Alzheimer's disease*

14.00 – 14.30 Dr. Harriet Schellekens, University College Cork (virtual)  
Title: *Brain, gut and microbiome interactions in obesity*

**Session 2: Cutting edge technology to investigate the Brain-Liver Axis**  
**PART 1**

Chair: Dr. Anna Hadjihambi

14.30 – 15.00 Prof. Fofi Constantinidou, University of Cyprus (virtual)  
Title: *The NEUROAGE project: Contributions in population monitoring and timely detection of Mild Cognitive Impairment*

15.00 – 15.30 Dr. Silvia Bolognin, University of Luxembourg  
Title: *Brain organoids and the potential of organs-on-a-chip*

15.30 – 16.00 Coffee break

**Session 2: Cutting edge technology to investigate the Brain-Liver Axis**  
**PART 2**

16.00 – 16.30 Prof. Alexander Gourine, UCL  
Title: *Vagus nerve stimulation as a treatment: how we can make it more selective and less invasive?*

16.30 – 17.00 Dr. Anjali Kusumbe, University of Oxford  
Title: *Understanding Vascular Changes & Vascular Diversity Over Time To Treat Diseases*

17.00-17.30 Dr. Diana Cash, King's College London  
Title: *Preclinical imaging in a multi-organ disease*

17.30 – 18.30 Closing remarks and Networking (wine & cheese reception)

**Endorsed by:**



**This meeting is sponsored with an unconditional educational grant from the following companies:**



For details please contact Dr. Anna Hadjihambi ([a.hadjichambi@researchinliver.org.uk](mailto:a.hadjichambi@researchinliver.org.uk)) or Dr. Shilpa Chokshi ([s.chokshi@researchinliver.org.uk](mailto:s.chokshi@researchinliver.org.uk))