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About

Dr Lalor is a Senior Lecturer in **The Centre for Liver Research (/research/activity/mds/centres/liver/index.aspx)** with an interest in inflammation, endothelial biology and regulation of liver metabolism.

Trish has published over 50 research papers as well as reviews and book chapters in the fields of leucocyte recruitment, endothelial biology and liver disease. Her research has been supported by research grants from The Medical Research Council, The Wellcome Trust, BBSRC, NIH and The European Union and by collaborations with industry. Trish is a STEM ambassador and has actively engaged in outreach and public engagement activities such as 'The Big Bank 2012', and 'Meet the Scientists' at Think Tank Birmingham, and visits schools to promote science education and clinical research to a wider audience.

Qualifications

- Foundation of Learning and Teaching in Higher Education(2012)
- PhD medicine (1998)
- BSc Hons Applied Biology (1994)

Biography

Dr Lalors' undergraduate degree course in Biological Sciences provided the opportunity to take a year out in industry. She was fortunate to secure a placement in the laboratory of Professor Gerard Nash where she performed studies of platelet and leucocyte recruitment using his in vitro, flow based adhesion assays. On the back of this successful project Trish was offered funding to return to Professor Nash's group to complete PhD studies investigating the role of a specific adhesion molecule, VCAM-1 in lymphocyte recruitment.

She then moved to the laboratory of Professor David Adams to establish flow-based adhesion technology for application to investigation of inflammation in the human liver. Here whilst continuing to investigate pathways of immune cell recruitment and retention in the human liver she also extended her research to specifically investigate the unique functions of hepatic sinusoidal endothelium.

Dr Lalor was appointed as a lecturer in Immunity and Infection 2007 and awarded a Senior Lectureship in 2013.

Teaching

- Module co-ordinator for Liver Cell Biology in BMedSc year 3 with responsibility for delivering teaching and designing and marking assessments. Trish also teaches on the Research Methodology sessions for year 2 and is a personal tutor on this course. **Medical Science BMedSc (/undergraduate/courses/med/medical-sci.aspx)**
- Clinical Science Bmedsci, supervisor for intercalating student project **Clinical Science BMedSc - Intercalated Degree (/undergraduate/courses/med/ClinicalScienceBMedSc-IntercalatedDegree.aspx)**
- Supervisor for BMedSc3, research student projects and dissertation
- Birmingham Foundation Academy, tutor for lectures and practical sessions for students enrolled on the Medical Sciences pathway Medical Sciences Pathway
- **Medicine and Surgery MBChB (/undergraduate/courses/med/medicine.aspx)** : student tutor and mentor for SSA activities
- PSIBS : lecturing and project supervision **Physical Sciences of Imaging in the Biomedical Sciences Doctoral Training Centre (/research/activity/psibs/index.aspx)**

Postgraduate supervision

Trish is a PhD supervisor for clinical fellows and basic science students, and also supervises MRes and MSc students in the school.

Trish is currently supervising doctoral research students in the areas of liver inflammation, endothelial biology and MALDI imaging of the liver.

For any general doctoral research enquiries, please email: **dr@contacts.bham.ac.uk (mailto:dr@contacts.bham.ac.uk)** or call +44 (0)121 414 5005

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Research

RESEARCH THEMES□□: Inflammatory and metabolic liver disease in humans, inflammation and leucocyte recruitment, endothelial biology and liver cell biology

CURRENT RESEARCH ACTIVITY : Current research projects are focused upon understanding the molecular regulation of glucose and lipid homeostasis in human fatty liver disease. Present studies are also considering extrahepatic manifestations of fatty liver injury. Regulation of inflammation and immune or stem cell recruitment, remain key areas of interest and in particular the contribution of platelets and key adhesion receptors in the liver and bowel. Human hepatic cell biology and the unique functions of sinusoidal endothelium remain a focus of the experimental strategies used.

Other activities

- Associate Fellow of the Higher Education Academy.
- STEM ambassador involved in local and national outreach events
- Currently a member of the editorial board of the 'World Journal of Gastroenterology' and World Journal of Hepatology and also act as a language editor for these journals.
- Formerly served on the editorial board of the journal 'Transplantation'.
- Member of the school faculty for The European Association for the Study of the Liver (EASL) Basic Hepatology School, and has served as a scientific representative on the committee responsible for The British Association for the Study of the Liver (BASL).
- Reviewer for professional journals including : 'PLOSone', 'Cell transplantation', 'Gut', 'Hepatology', 'Journal of Leukocyte Biology', 'The American Journal of Transplantation', 'Inflammation Research', 'American Journal of Pathology' 'American Journal of Physiology' 'Liver International' and 'Liver Transplantation'.

Publications

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