



7th Annual UK & Ireland Early Career BBB Symposium

1st of September 2017

Programme

09:30 - 10:15	Registration, poster and exhibition set-up (welcome coffee/tea)
10:15 - 10:30	Meeting welcome address (Professor Geoff Pilkington)
10:30 - 11:00	Keynote speaker 1: Professor Maria Tenje 3D cell cultures for organ-on-chip applications, Uppsala University, Sweden
11:00 - 11:15	Real-time acquisition of trans-endothelial electrical resistance in an all human <i>in vitro</i> 3D blood brain barrier model exemplifies tight junction integrity. Dr Zaynah Maherally , University of Portsmouth
11:15 - 11:45	Oral Posters (5 minutes each) Poster 1: Haemoglobin scavenging kinetics and blood brain barrier permeability changes after subarachnoid haemorrhage. Matthew Morton , University of Southampton Poster 2: Targeting peptides for brain endothelium. Andrea Halsey , Open University Poster 3: Measurement of blood-brain barrier disruption in multiple sclerosis and relation to systemic inflammatory activity. Dr Aravinthan Varatharaj , University of Southampton Poster 4: Transcriptional Analysis of human microvascular endothelial cells (hBMEC) infected with <i>Toxoplasma gondii</i> . Dr Hany Elsheikha , University of Nottingham Poster 5: Haptoglobin and blood brain barrier permeability. Charlotte Stuart , University of Southampton
11:45 - 12:00	Tea & coffee break
12:00 - 12:15	Use of gold nanoparticles as a delivery system for oligonucleotides to cross the blood brain barrier. Nayab Fatima , Open University
12:15 - 12:30	Novel shark antibodies engineered to characterise and improve delivery of therapeutics across the blood brain barrier. Alice Fleckney , King's College London
12:30 - 12:45	Development of a protein/peptide delivering nano-carrier across the BBB. Conor McQuaid , Open University
12:45 - 13:00	TNFR1 agonists induce selective BBB permeabilization in Brain metastases. Dr Mario Munoz , Oxford University
13:00 - 13:30	Keynote speaker 2: Dr Huw Thomas The science behind Hypoxia, Baker Ruskin

13:30 - 14:30	Lunch + poster session
14:30 - 14:45	Investigating the proinflammatory role of brain-endothelial-derived extracellular vesicles at the Blood-Brain Barrier. David Roig-Carles , Open University
14:45 - 15:00	Investigating of changes in astrocytes of the blood brain barrier during cerebral malaria. Nana Efua Andoh , Keele University
15:00 - 15:15	Brain pericytes: their role in health and disease. Dr Elisabetta Caspani , University of Portsmouth
15:15 - 15:30	Investigating the effect of rapmycin on brain pericyte cell death following oxygen glucose deprivation. Dr Daniel Beard , University of Oxford
15:30 - 15:45	Alex Tattersall Ph.D, Thermo Fisher Scientific Technical Sales Specialist - Presenting the iBright™ - western blot and gel Imaging System
15:45- 16:00	Tea & coffee break
16:00 - 16:15	Role of CD15 and CD15s in the cellular mechanisms of cancer cell metastasis from lung to the brain. Dr Samah Jassam , University of Portsmouth
16:15 - 16:30	The impact of brain metastasis on endothelial cell function. Christina Simoglou Karali , University of Oxford
16:30 - 16:45	Ultrasound and molecular age-associated changes in the female mouse neurovascular unit. Eduardo Frias-Anaya , Open University
16:45 - 17:00	Ultrasound-mediated blood-brain barrier disruption and recovery kinetics <i>in vitro</i> . Miles Aron , University of Oxford
17:00 - 17:30	End of day discussion (Professor Pilkington)/ Closing remarks (Professor Romero)
17:30 - 18:30	Drinks/Posters

BBB Symposium website: <https://www.bbbsymposium.com/>

Brain Tumour Research Centre website: <https://braintumourresearchportsmouth.org/>

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