

# ATTRACT Summer Meeting

## Edinburgh, 20-22 June 2022

Venue Place: The Bayes Centre, 5<sup>th</sup> floor, room no. 5.46, 47 Potterrow, Edinburgh EH8 9BT

Day 0: Monday "get together dinner", Divino Enoteca, at 7-8 pm

Day 1: Tuesday 21st June

BST	Topic/activity	Speaker and the title	Moderator	Duration	Comment
09:00	Welcome & Meeting objectives	Miguel Bernabeu	Miguel	00:10	
09:10		<b>Topic 1: New insights on basic mechanisms in endothelial flow migration coupling</b>	Holger	00:00	
09:10	talk 1	Daniela Ramalho (CF) Cell motility control in pre-arterial tip cells	Holger	00:20	inc. 5min Q&A
09:30	talk 2	Emir Akmeric (HG) Dynamics of the Endothelial Cadhesome Under Blood Flow	Holger	00:20	inc. 5min Q&A
09:50	talk 3	Andreia Pena (CF) Regulation of pericyte migration and proliferation by actomyosin contr	Holger	00:20	inc. 5min Q&A
10:10	talk 4	Lenna Claesson-Welsh Src family kinases in flow-migration coupling	Holger	00:20	inc. 5min Q&A
10:30	Panel discussion topic 1		Holger	00:30	
11:00	Coffee break			00:10	
11:10	break out session RNA seq data + coffee break		Paul	00:30	
11:40	PI meeting (room change, 4.46)	(administrative issues, future calls and applications)	Paulina	01:00	
11:40	Workshop for the trainees (5.46)	Harriet Harris - Taming our Imposter Syndrome and other research frenemies'		01:00	
12:40	Lunch break	catering delivered		00:30	
13:10	City Center visit	guided		02:10	13:15 start
15:20		<b>Topic 3: Flow-migration coupling defects, cellular and molecular drivers of AVM formation</b>	Anne	00:00	
15:20	talk 1	Olya Oppenheim (HG) Elucidating downstream effectors of SMAD4 and Alk1 in AVM formation and their role in Hereditary Hemorrhagic Telangiectasia (HHT)	Anne	00:20	inc. 5min Q&A
15:40	talk 2	Mathilde Poulet (AE) NRPs implication on EC flow-migration coupling	Anne	00:20	inc. 5min Q&A
16:00	talk 3	Hyojin Park (AE) Single cell RNA seq analysis of Alk1ECKO	Anne	00:20	inc. 5min Q&A
16:20	talk 4	Paul Oh (PO) tba	Anne	00:20	inc. 5min Q&A
16:40	Panel discussion topic 3		Anne	00:30	
17:10	The end of the first day + outlook for evening and day 2			00:05	
17:15	free time				
19:30	Dinner + whiskey tasting	The Scotch Malt Whisky Society - The Vaults			taxi pick up at ca. 7:00 pm

Day 2: June 22nd

BST	Topic/activity	Speaker	Moderator	Duration	Comment
09:00	Second day welcome			00:05	
09:05		<b>Topic 4: Genetics and cellular mechanisms of collateral formation and stroke recovery</b>	Doug	00:00	
09:05	Talk 1	Tijana Perovic (HG) Collateral vessels of the brain: endothelial cell trace in development and stroke remodeling	Doug	00:20	inc. 5min Q&A
09:25	Talk 2	Doug Marchuk -Role of human sequence variation in Rapep2 in collateral vessel formation and ischemic stroke	Doug	00:20	inc. 5min Q&A
09:45	Talk 3	Christoph Harms -Chemogenetically brain-wide glutamatergic activity suppression exacerbates the supply-demand mismatch in the wake of ischemic stroke in the mouse neocortex	Doug	00:20	inc. 5min Q&A
10:05	Panel discussion topic 4		Doug	00:20	
10:25	Coffee break			00:10	
10:35	Break-out session (Human sample, biobanking and genotyping) + coffee break		Miguel, Doug	00:20	
10:55	Update from the winner YIA 2021	Kevin Boye (AE) Vascular barrier regulates sprouting and flow-migration coupling	Christoph	00:20	inc. 5min Q&A
11:15	New in the network	Steffanie Mayer (CH) Genetic Contributions to Post-Stroke Pial Collateral Remodelling	Christoph	00:15	inc. 3min Q&A
11:30	New in the network	Nadine Concinha (CF) Mechanisms of formation and resolution of arteriovenous malformations	Christoph	00:15	inc. 3min Q&A
11:45	New in the network	Julia Kraxner (HG) The role of vimentin phosphorylation in mechanotransduction	Christoph	00:15	inc. 3min Q&A
12:00	Coffee break			00:15	
12:15	Network Future direction perspectives	30 min brain storming plus 30 min structured discussion about the points	Claudio	01:00	
13:15	Lunch break			00:30	
13:45	poster session	session 1 (30 min) Tijana, Wolfgang, Emir, Julia, Ana, Stefanie session 2 (30 min) Andreia, Daniela, Nadine, Hyojin, Kevin, Mathilde		01:00	1) novel data 2) novel hypothesis 3) deep dive on methods
14:45		<b>Topic 2: Integrative computational modelling approaches for analytics and mechanistic predictions</b>	Miguel	00:00	
14:45	talk 1	Wolfgang Giese (HG) Polarity-JaM: A computer vision toolbox for scalable cell polarity, junction and morphology quantification	Miguel	00:20	inc. 5min Q&A
15:05	talk 2	Ana Villaplana (MB) Fine-mapping of retinal vascular complexity loci identifies Notch regulation as a shared mechanism with myocardial infarction outcomes	Miguel	00:20	inc. 5min Q&A
15:25	Panel discussion topic 2		Miguel	00:20	
15:45	Coffee break			00:20	
16:05	Keynote lecture	Anna Williams The University of Edinburgh - Endothelial dysfunction, ATP11B and cerebral small vessel disease	Miguel	01:00	inc. 15min Q&A
17:05	Summary of the meeting	closing remarks	Miguel	00:20	
17:25	social activities	Arthur's seat- hill walk if no rain		01:30	
19:45	Dinner	Dinner Bistro du Vin			7:35 pm a walk from KM hotel