

Macropinocytosis in physiology, disease and therapy

21 – 22 May 2018

Organised by Dr Jason King and Professor Joel Swanson

Monday 21 May				Tuesday 22 May			
Session 1 Chair: Colin Watts FRS		Session 2 Chair: Sergio Grinstein		Session 3 Chair: Ana-Maria Lennon-Duménil		Session 4 Chair: Julie Donaldson	
09.00	Welcome by the Royal Society and Jason King						
09.05	Joel Swanson Macropinocytosis and cellular growth control	13.30	Ana-Maria Lennon-Duménil Unexpected roles for macropinocytosis in cell migration	09.00	Wilhelm Palm How mammalian cells regulate the use of proteins as nutrients	13.30	Cosimo Commisso Regulation of macropinocytosis in Ras-driven tumours
09.30	Discussion	14.00	Discussion	09.30	Discussion	14.00	Discussion
09.45	Sergio Grinstein Constitutive vs inducible macropinocytosis in macrophages	14.15	Rob Kay Macropinocytosis: Ras and PIP3 driven endocytosis	09.45	Short talks	14.15	Michael Overholtzer Regulation and consequences of non-canonical autophagy resembling LC3-Associated Phagocytosis, or LAP
10.15	Discussion	14.45	Discussion			14.45	Discussion
10.30	Coffee	15.00	Tea	10.35	Coffee	15.00	Tea
11.00	Julie Donaldson Macropinocytosis and membrane recycling	15.30	Jenny Stow Macropinosomes as launch-pads for inflammation in macrophages	11.00	Robert Davey Macropinocytosis through the lens of Ebolavirus	15.30	Industry talks Ralph Minter Strategies to inhibit the intracellular target Ras with potent antibody mimetic proteins Arpan Desai Enhancing intracellular delivery of therapeutic mRNA
11.30	Discussion	16.00	Discussion	11.30	Discussion	16.00	Discussion
11.45	Jason King Learning how to form and process macropinosomes with <i>Dictyostelium amoeba</i>	16.15	Poster session	11.45	Short talks	16.15	Overview and future directions
12.15	Discussion						
12.30	Lunch	18.30	Close	12.35	Lunch	17.00	Close