

NC3Rs Cardiovascular Showcase

23 March 2018, Central London

10:00-10:30	REGISTRATION and REFRESHMENTS
10:30-10:40	Welcome and introduction Professor Ian Kimber OBE, University of Manchester (Chair)
10:40-11:00	Introduction to NC3Rs funding and office-led cardiovascular activities Dr Helen Prior, NC3Rs
Showcasing NC3Rs funded research: 3Rs model development in cardiovascular sciences	
11.00-11.20	Real-time monitoring techniques and simplistic platelet assays to reduce and refine animal use in cardiovascular and respiratory biomedical research TBC Dr Michael Emerson, Imperial College London
11:20-11:40	<i>In silico</i> human-based methodologies for evaluation of drug cardiac safety and efficacy TBC Dr Elisa Passini, University of Oxford
11.40-12:00	Engineering 2D & 3D human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CM) platforms to detect cardiovascular safety liabilities TBC Professor Chris Denning, University of Nottingham
12.00-13.00	LUNCH and POSTER VIEWING
Building 3Rs capacity in cardiovascular science: NC3Rs-BHF co-funded studentships	
13.00-13.10	Development and characterisation of a human <i>ex vivo</i> model of aneurysm TBC Dr Jason Johnson, University of Bristol
13.10-13:20	Reducing animal use in thrombosis research with an <i>ex vivo</i> injury model TBC Dr Matthew Harper, University of Cambridge
13.20-13.30	Developing a <i>Drosophila melanogaster</i> model of the cardiac myocyte action potential to investigate function and performance TBC TBC
Breakout sessions	
13.30-13.40	Introduction to breakout groups TBC
13.40-15.00	<ol style="list-style-type: none"> Funding workshop: NC3Rs-BHF co-funded PhD Studentships Development of an adverse outcome pathway (AOP) for cardiotoxicity Increasing the adoption of social-housing during telemetry study recording

15.00-15:10	REFRESHMENTS and POSTER VIEWING
15.10-15.50	Breakout groups cont.
15:50-16:10	Feedback from breakout groups
16.10-16.55	Keynote: TBC Dr Manasi Nandi, King's College London
16:55-17:00	Meeting wrap up and close
17.00-18:00	NETWORKING RECEPTION

Please note this agenda is subject to change