MRC North West Hub for Trials Methodology Research and The North West Clinical Trials Collaborative

On-campus course 'Improving health by improving trials'

Programme 16th September – 20th September 2019

Location: The Foresight Centre, University of Liverpool

(please note the course will be held at the Clinical Trials Research Centre, Alder Hey Children's Hospital on Wednesday 18th September)

Monday 16th		Registration and coffee	
		Welcome, introductions and overview of course	
	AM SESSION	**What do you need to do to design a trial?** *Professor Paula Williamson, University of Liverpool*	Topics: Identifying, defining and justifying the question; the importance of the protocol
	PM SESSION	**General design issues** *Dr Susanna Dodd, University of Liverpool*	Topics: Feasibility, external and internal pilot studies; pragmatic and explanatory designs, internal and external validity; sample size considerations
Tuesday 17th	**AM SESSION**	**Introduction to different designs** *Dr Chris Sutton, University of Manchester* *Professor James Wason, Newcastle University/ Cambridge MRC Biostatistics Unit*	Topics: Adaptive designs; trials of complex interventions; cluster randomised trials
	PM SESSION	**Recruitment of trial participants** *Professor Bridget Young, University of Liverpool* *Dr Nicola Harman, Clinical Trials Research Centre*	Topics: Barriers and facilitators; effective recruitment and retention strategies; recruitment monitoring
Wednesday 18th	**AM SESSION**	**Trial conduct (part 1)** *Dr Emma Bedson, Clinical Trials Research Centre* *Ms Katie Neville, Clinical Trials Research Centre*	Topics: Ethical, legal and regulatory requirements; pharmacovigilance; barriers and facilitators to setting up sites; data sources; information systems and data management
	PM SESSION	**Visit to the Clinical Trials Research Centre, Liverpool**	
Thursday 19th	**AM SESSION**	**Trial conduct (part 2)** *Professor Catrin Tudur Smith, University of Liverpool* **Keynote talk 'How to be a good Chief Investigator'** *Professor Tony Marson*	Topics: Risk assessment; risk-based monitoring and safety monitoring; trial oversight committees
	PM SESSION	**Public and Patient Involvement** *Professor Peter Bower, University of Manchester* *Dr Claire Planner, University of Manchester* *Ailsa Donnelly*	Topics: Basic principles of patient centred trials; evidence of benefit
Friday 20th	**AM SESSION**	**Analysis and reporting (part 1)** *Professor Richard Emsley, King's College London*	Topics: Key principles of trial analysis; intention to treat analysis; adjustment for compliance; mechanisms evaluation; stratified medicine trials
	PM SESSION	**Analysis and reporting (part 2)** *Professor Dyfrig Hughes, Bangor University* *Dr Jamie Kirkham, University of Liverpool*	Topics: Basic principles of health economics; methods of economic evaluation; economic outcomes; good practice in trial reporting