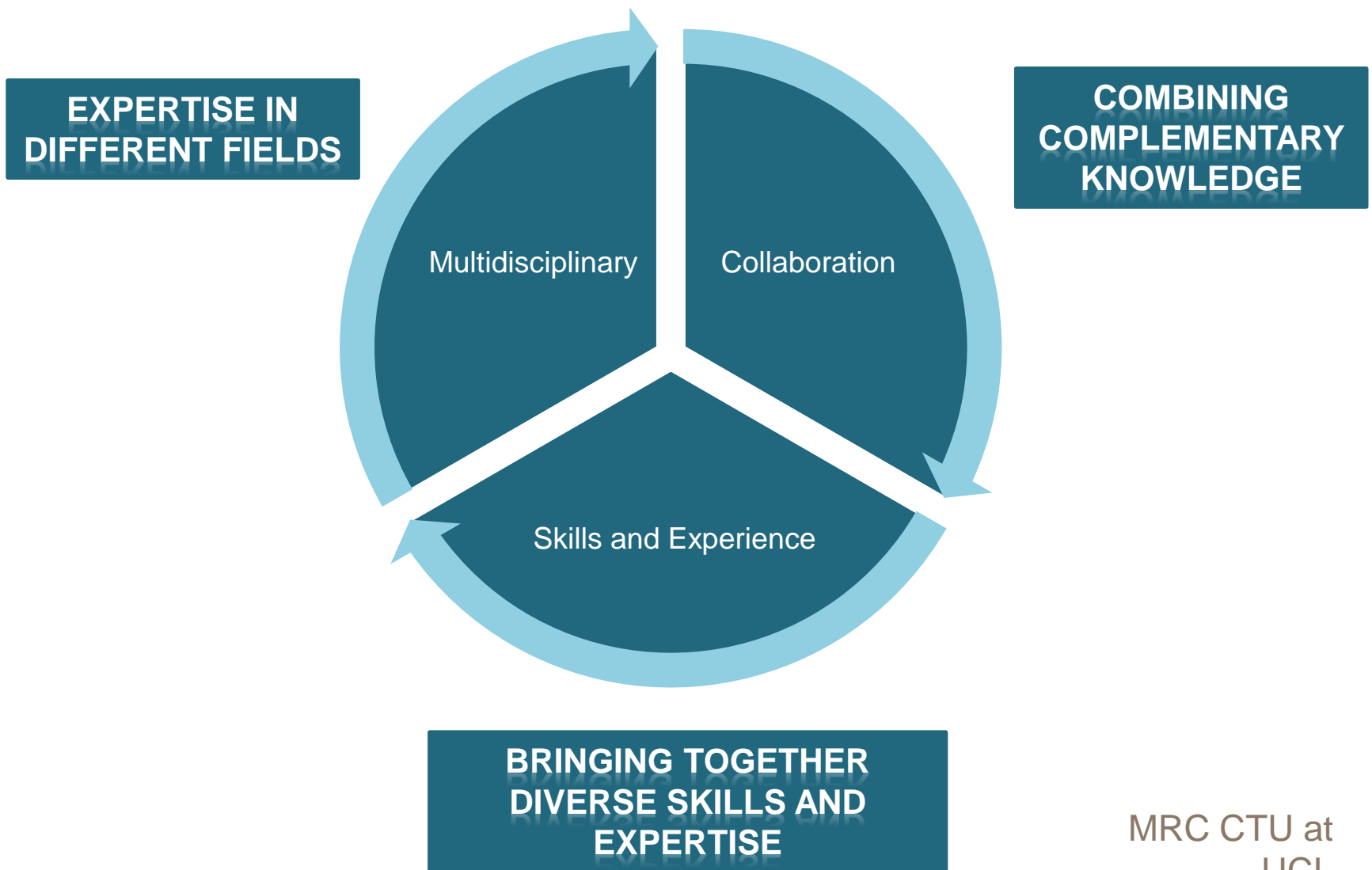# Team Science

Dr Anna Griffiths

India-UK Networking Partnership Workshop on

Meeting the Challenges of TB Research Priorities in India

Chennai 8-9th Feb 2019

What is Team Science?

- Team science is a collaborative effort to address a scientific challenge that leverages the strengths and expertise of professionals trained in different fields.
  - cross-disciplinary science
  - diverse skills and knowledge

Scientific Research Team

Level of Interaction

Low   High

←——→

Investigator initiated research

Group research but members work on separate part which are integrated at the end

Group research with each member bringing expertise.
Regular meetings and discussions

Monitors /CRO

Data Manager

Research nurse

Patient Rep

Clinician

Social Scientist

Health Economist

TEAM SCIENCE

Pharmacist

Statistician

UCL
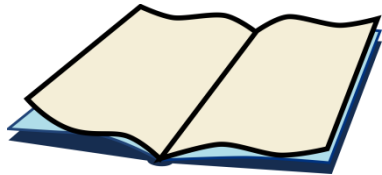
Trial Management Group (TMG)

- Devise the research question

- Develop the protocol

- Monitor all aspects of the conduct and progress of the trial

- Ensure that the protocol is adhered to and take appropriate action to safeguard participants and the quality of the trial itself.

Conducting a Trial

Funding application accepted

WP1 - management

Task	Description	2016 Q3 (-9)	Q4 (-6)	2017 Q1 (-3)	Q2 (1)	Q3 (4)	Q4 (7)	2018 Q1 (10)	Q2 (13)	Q3 (16)	Q4 (19)	2019 Q1 (22)	Q2 (25)	Q3 (28)	Q4 (31)	2020 Q1 (34)	Q2 (37)	Q3 (40)	Q4 (43)	2021 Q1 (46)	Q2 (49)	Q3 (52)	Q4 (55)	2022 Q1 (58)
1.1	Signed consortium agreement				D/M																			
1.2	Project Management Plan and Risk Register (updated annually)					D				█				█				█			█			
-	Annual reports to EDCTP							█				█				█				█				█

WP2 - RCT

Task	Description	2016 Q3 (-9)	Q4 (-6)	2017 Q1 (-3)	Q2 (1)	Q3 (4)	Q4 (7)	2018 Q1 (10)	Q2 (13)	Q3 (16)	Q4 (19)	2019 Q1 (22)	Q2 (25)	Q3 (28)	Q4 (31)	2020 Q1 (34)	Q2 (37)	Q3 (40)	Q4 (43)	2021 Q1 (46)	Q2 (49)	Q3 (52)	Q4 (55)	2022 Q1 (58)
2.1	Write protocol	█	█	█	D																			
2.1	Ethics and regulatory approvals				█	M																		
2.2	Develop CRFs and database				█	D/M																		
2.3	Drug procurement				█	D/M																		
2.4	Recruitment						█	█	█	█	█	D/M												
2.5	Follow-up						█	█	█	█	█	█	█	█	█	█	█	█	█	█	D/M			
2.6	TSC and DSMB Charters				█	D																		
2.6	TSC and DSMB Meetings						M		█			█			█					█			█	
2.7	Final data cleaning and lock																		█	█				
2.7	Final analysis																				█	█	█	M
2.7	Final reporting																							D

WP3 - pharmacokinetics

Task	Description	2016 Q3 (-9)	Q4 (-6)	2017 Q1 (-3)	Q2 (1)	Q3 (4)	Q4 (7)	2018 Q1 (10)	Q2 (13)	Q3 (16)	Q4 (19)	2019 Q1 (22)	Q2 (25)	Q3 (28)	Q4 (31)	2020 Q1 (34)	Q2 (37)	Q3 (40)	Q4 (43)	2021 Q1 (46)	Q2 (49)	Q3 (52)	Q4 (55)	2022 Q1 (58)
3.1	Write substudy protocol	█	█	█	D																			
3.1	Ethical and regulatory approvals				█	M																		
3.2	Training workshops					█	D																	
3.3	Recruit main intensive PK study (WP3.1)					█	M	█																
3.3	Ship samples for main intensive PK study (WP3.1)							█	█	M														
3.3	Analysis and report for main intensive PK study (WP3.1)											█	█	D										
3.4	Sparse PK study visits (WP3.2)						█	█	█	█	█	█	█	█	█	█	█	█	█					
3.4	Ship samples for sparse PK study (WP3.2)																		█	█	M			
3.4	Analysis and report for sparse PK study (WP3.2)																			█	█	█	█	D
3.5	Recruit TB intensive PK study (WP3.3)						█	█	█	█	█	█	█	█	█									
3.5	Latest possible intensive PK for TB study (WP3.3)																		█					
3.5	Ship samples for TB intensive PK study (WP3.3)																		█	█	M			
3.5	Analysis and report for TB intensive PK study (WP3.3)																			█	█	█	█	D

Trial Design

Costing the trial and planning the staffing

required to develop and manage the trial

Coordinating **protocol development**

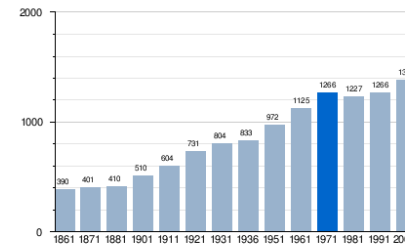Oversee CRF and database development

Set-up

Negotiations with **international collaborators** and **industry**

Drug forecasting and shipping

Ethics and regulatory **submissions**

Set-up

Central coordination and management of **essential trial documents**

Liaising with centres, identifying and **initiating/training** participating centres

Conduct

Coordinating or conducting

monitoring for quality assurance

Reporting to funders, oversight

committees, ethics and regulators

Processing SAEs

SAFETY FIRST

Questions?