**Scientific Methods And Research Techniques (SMART)**

Darwin Room, The Pitt Building, Cambridge
27\(^{th}\) – 29\(^{th}\) November 2019

SMART is a research methodology course designed and organised by the University of Cambridge, Division of Anaesthesia

SMART provides an introduction to the research process and is aimed primarily at post fellowship / membership anaesthesia and intensive care medicine trainees.

SMART is also open to emergency and acute medicine trainees or more junior anaesthetic / ACCS trainees

SMART objectives map to the FICM/RCoA ‘Academic & Research’ Competencies for CCTs in anaesthesia and intensive care medicine

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**COURSE OVERVIEW**

The role of research  
Career pathways in research  
Literature review  
Critical appraisal  
Meta-analysis  
Study design and methods  
Gaining ethical approval  
Funding  
Running a study and dealing with problems

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**Principles of statistics:**  
Hypothesis testing, significance testing, distributions and power  
Hands-on statistical analysis  
Big data  
Getting the most from Excel  
Peer review and getting published  
Research and industry  
Recruiting patients

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**COURSE FEES**

East of England Trainees: **FREE (with £104 holding fee)**
External and international delegates: **£340**

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SMART is presented by experienced researchers and has a strong interactive focus with hands-on workshops - so places are strictly limited to 20 and will be reserved on a first come, first served basis upon receipt of online application and full payment.

- Fee includes lunch, refreshments and daily parking but excludes accommodation.
- Fees are non-refundable after 24\(^{th}\) October 2019
- Participants must attend for the duration of the course

**PLEASE BOOK ONLINE at** [www.cam-pgmc.ac.uk](http://www.cam-pgmc.ac.uk)

Administration enquiries to: Ann Bloomfield, Post Graduate Medical Centre, Clinical School, Addenbrooke’s Hospital, Cambridge ab2340@medschl.cam.ac.uk Tel 01223 256229