**Scientific Methods And Research Techniques**

**(SMART)**

*Faculty of Education, Cambridge*

**21st – 23rd November 2018**

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

**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  
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

**COURSE FEES**

East of England Trainees: **£104**  
External and international delegates: **£312**

SMART is presented by experienced researchers and has a strong interactive focus with hands-on workshops - so places are strictly limited to 16 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 24th October 2018
- Participants must attend for the duration of the course

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

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