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

**Darwin Room, The Pitt Building, Cambridge**

**27th – 29th 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

**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: £340

SMART is presented by experienced researchers and has a strong interactive focus with hands-on workshops - so places are strictly limited to 25 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 2019
- Participants must attend for the duration of the course

PLEASE BOOK ONLINE at www.cam-pgmc.ac.uk

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