KCL IAT Research Methods Course
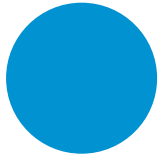
Dr James Galloway

IAT Research Methods Course Director

Postgraduate Certificate in Applied Research Methods

Dr James Galloway

IAT Research Methods Course Director

Dr Andrew Webb

Deputy Course Lead

IAT Research Methods Course

4 days in November and 4 days in May

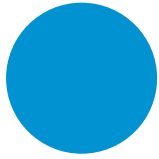**Four Programme Modules with related assignments**:

1. **Subject Knowledge in Research and Clinical Practice (Module lead, Dr Andrew Webb)**

Written Assignment: 3000 word research project description
(Deadline: End of Year 2)

2. **Project Development and Grant Writing Skills (Module lead, Dr Alex Dregan)**

Written Assignment: 3000 word grant proposal
(Deadline: End of Year 3)

Oral presentation of research
(Complete by End of Year 3)

IAT Research Methods Course

3. **Research Methods and Ethics
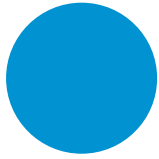(Module lead, Dr James Galloway)**

> Written Assignment: Ethics Application based on proposed research project (Deadline: End of Year 3)
>
> Multiple Choice Online test via KEATs
> (Deadline: Complete in Year 3 – Autumn term)

4. **Statistical Methods and Techniques
(Module lead, Paul Seed)**

> Level I Course Work : Introductory;
> Level II an III Course Work : Intermediate & Advanced
>
> (Deadline: All levels to be completed **in order** by the End of Year 3; Two assignments: Statistics Level I; Statistics Level II & III joint assignment)
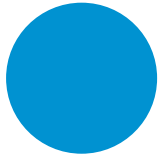
Additional Requirements

- Mandatory attendance; completion of all coursework and written assignments

- Monitoring support and additional training

  Research Methods Training Report: Due every 6 months in January & July

  - Provides information & updates on research plans; related methods training during research placement/blocks

  - Captures methodological skill development, self-directed learning & additional teaching contact time outside of the course meetings

  - Captures supervision and additional support

  - Reviewed by Programme Board of Examiners for the course

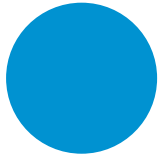 Student Evaluation of Supervisory Arrangements: Due every 6 months in January & July

  - Provides information on the level of supervision received by a trainee and allows to identify any issues related to the supervision

Monitoring Outputs - ORCiD

•The Open Researcher and Contributor ID (ORCiD) is a personal identifier that uniquely distinguishes you from other researchers, even if they have the same name

•Enables links to be created between you and your research activities (e.g. your research outputs, grants and employment history)

•Required by many funders

•Best way to create an ORCiD ID is by setting up your Pure account (King's Research Portal)

•This will link your new ORCiD to the university's internal systems

•If you already have an ORCiD, please use Pure to make a link to King's so that you get the maximum benefit.

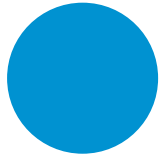•For more information please search for ORCiD on the KCL website (www.kcl.ac.uk).

IAT Research Methods Course

Two shared central aims:

- Submission of a competitive fellowship/grant application to a major funding body
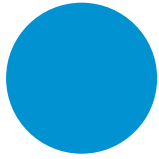- Receipt of a Certificate in Applied Research Methods

Autumn 2021 Course Dates

- 8th November
- 9th November (Statistics I)
- 19th November (Statistics II)
- 22nd November

Course Handbook

- Designed to provide you with most of the information that you will need regarding the Course and King's College London

- Including details of the programme and modules you will be following, and welfare and other services which King's offers

- At postgraduate level students are expected to take responsibility for their studies, so please make sure that you familiarise yourselves with the programme details and assessment regulations

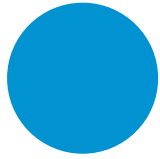- The handbook is available on KEATs

Course Communication

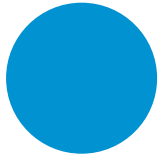- Make Sure You Are Registered

  Unsure?

  Contact Kasia Bojko at IATadmin@kcl.ac.uk or

  0207 188 7188 ext 54123

- Your Student Status is <u>separate but linked</u> to your IAT status

- Know Your IAT Start & End Dates

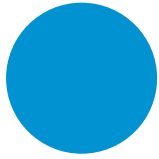- Always Check Your KCL Email Address

Common questions from new academic trainees

- What research can I do ?

- Do I pick my own project or is one allocated to me?
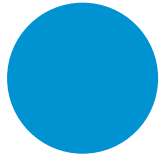
- How do I get a supervisor ?

What research can I do?

- Start easy

- Start clinical

- Find someone to help / advise

- Decide on your skill, not your disease

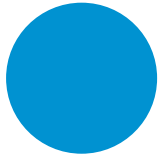- Keep realistic - research is the art of the possible

Picking a Project?

- You don't need money to do research

- Clinical research remains as relevant as ever
  - It's fine to start with case descriptions, case series, outcome studies etc.

- Specialise in patients that other doctors don't like
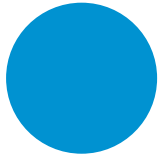
- Develop a niche

Training research and support

- **Training courses:**
  - Research methodology courses
  - Patient and Public Involvement training
  - Bioinformatics workshops
  - Designing Clinical Research Course
- **Public engagement**

- **Preparation for external funding interviews**

- **NIHR Research Design Service (Thursday 10am-12pm)**

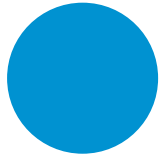- **R&D research drop in sessions (Wednesday 2-5pm)**

Picking a Supervisor - Practicalities

- If you have an academic lead ask them for suggestion

- Do some research into area of interest
  - Websites, literature review, conference speakers

- Make contact
  - Face to face
  - Email
  - Do not underestimate the power of flattery!
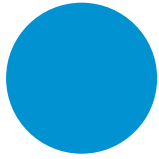
- Do some research into them

Supervisor v Mentor

- Supervisor
  - ○ Senior, has authority
  - ○ Involved in appraisal and performance
  - ○ Interdependent
  - ○ Sets targets and day to day work
  - ○ Vested interest in trainee doing well!

- Mentor
  - ○ Peer, may coach
  - ○ Not involved in appraisal and performance
  - ○ Aim for independence
  - ○ longer term, more strategic focus lead by trainee

Academic Peer Mentoring Scheme

• All IAT/BRC members across KCL

• All specialties

• Mentors - >2 years experience

• Mentees – all new trainees

• One day training for mentors

• Monthly peer supervision/workshops

• Important for development/ARCP

Challenges for Budding Academics

Its hard doing 2 things at once

- Time management

- Need to inform both clinical and academic supervisors about activities

- Mentoring and career guidance

> " Scientific research consists in seeing what everyone else has seen, but thinking what no one else has thought. "

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