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# Medical Statistician/ Epidemiologist (Epidemiology Research Fellow)

## Candidate Information

January 2023

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### The Institute of Cancer Research

#### About our organisation

We are one of the world's most influential cancer research institutes with an outstanding record of achievement dating back more than 100 years. We are world leaders in identifying cancer genes, discovering cancer drugs and developing precision radiotherapy. Together with our hospital partner The Royal Marsden, we are rated in the top four centres for cancer research and treatment worldwide.

As well as being a world-class institute, we are a college of the University of London. We came second in the league table of university research quality compiled from the Research Excellence Framework (REF 2021).

We have charitable status and rely on support from partner organisations, charities, donors and the general public.

We have more than 1000 staff and postgraduate students across three sites – in Chelsea and Sutton.

#### About the team and the Generations Study

The Clinical Epidemiology Team at The ICR uses real world data to investigate the late-effects of cancer treatments and cancer risks from other medications. The program of research is based around the ongoing Generations Study, a national study of over 100,000 women from the UK established in 2003 to investigate the causes of breast cancer and outcomes after a breast cancer diagnosis. Women in the study have provided blood samples and detailed questionnaire information at recruitment, and in repeat follow-up questionnaires. We also access

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their medical records to collect information on cancer screening and treatments.

Scientists at The ICR working on the Generations Study comprise geneticists, epidemiologists and statisticians who collaborate with researchers around the world.

We are seeking to appoint an enthusiastic researcher to work on projects using real world data to investigate the late-effects of cancer treatments and cancer risks from other medications. The post provides an exciting opportunity for a researcher who wants to apply and develop their analytic, interpretation and other research skills using a rich prospective cohort study including linkages to electronic medical records. The post will be situated with the Division of Genetics and Epidemiology on the ICRs Sutton campus.

Applicants should hold a MSc or higher degree in statistics/epidemiology, have experience in statistical programming and scripting.

The successful applicant will enjoy working as part of a multidisciplinary team interacting with internal and external epidemiologists and statisticians. The appointee will excel in coordinating and exploring the medical research areas through exploiting these collaborations and, be a fast learner and will be highly motivated.

This position, funded by Breast Cancer Now, is available immediately and is funded for 24 months in the first instance.

This is a fixed-term appointment for 2 years in the first instance.

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Our mission  
is to make the  
discoveries that  
defeat cancer.

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### Our values

The ICR has a highly skilled and committed workforce, with a wide variety of roles, each requiring different skills. But whether you work as a researcher, or work as part of our corporate team, your work and behaviour is underpinned by these six values. They are what bring us together as one team - as 'One ICR'.



#### Pursuing excellence

We aspire to excellence in everything we do, and aim to be leaders in our field.



#### Acting with Integrity

We promote an open and honest environment that gives credit and acknowledges mistakes, so that our actions stand up to scrutiny.



#### Valuing all our people

We value the contribution of all our people, help them reach their full potential, and treat everyone with kindness and respect.



#### Working together

We collaborate with colleagues and partners to bring together different skills, resources and perspectives.



#### Leading innovation

We do things differently in ways that no one else has done before, and share the expertise and learning we gain.



#### Making a difference

We all play our part, doing a little bit more, a little bit better, to help improve the lives of people with cancer.



*Our values set out how each of us at the ICR, works together to meet our mission – to make the discoveries that defeat cancer. They summarise our desired behaviours, attitudes and culture – how we value one another and how we take pride in the work we do, to deliver impact for people with cancer and their loved ones.”*

Professor Kristian Helin

Chief Executive

# Medical Statistician / Epidemiologist

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### Job description

<b>Department / division:</b>	Clinical Cancer Epidemiology/Division of Genetics and Epidemiology
<b>Pay grade / staff group:</b>	Epidemiology Research Assistant/Fellow
<b>Hours / duration:</b>	Full time (35 hours per week), Monday to Friday. Fixed term contract for 2 years in the first instance.
<b>Reports to:</b>	Professor Amy Berrington
<b>Accountable to:</b>	Professor Amy Berrington
<b>Main purpose of the job:</b>	<p>We are seeking a medical statistician, or an epidemiologist with strong analytical skills, to work on the Generations Study.</p> <p>The successful applicant will enjoy working as part of a multidisciplinary team and interacting with internal and external epidemiological and statistical collaborators.</p>

### Duties and responsibilities:

To contribute to ongoing studies using real world data to study the late-effects of cancer treatments and other medications
Data management and coordination of data collection, and maintaining the high-quality of collected data.
Conduct statistical analyses
Liaising internally and externally to identify best datasets and methodologies
To interact with other team members and collaborators to pursue the agreed program of work
Contribute to the writing of manuscripts
End-to-end coordination of analyses, write up and submission
Undertake verbal presentation of research analyses at internal and external meetings
To offer ad hoc advice to colleagues
To keep up to date with relevant literature

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### General

All staff must ensure that they familiarise themselves with and adhere to any ICR policies that are relevant to their work and that all personal and sensitive personal data is treated with the utmost confidentiality and in line with the General Data Protection Regulations.

Any other duties that are consistent with the nature and grade of the post that may be required.

To work in accordance with the ICR's Values.

To promote a safe, healthy and fair environment for people to work, where bullying and harassment will not be tolerated.

### Workforce Agreement

The ICR has a workforce agreement stating that Postdoctoral Training Fellows can only be employed for up to 7 years as PDTF at the ICR, providing total postdoctoral experience (including previous employment at this level elsewhere) does not exceed 10 years

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### Person specification

#### Education and Knowledge

MSc or other higher degree in Statistics or Epidemiology, or a related analytical discipline	Essential
Knowledge of statistical methods in medical research	Essential

#### Skills

Good working knowledge of methods and software for data preparation and statistical analyses	Essential
General computer literacy (word processing, spreadsheet and database packages)	Essential
Ability to work accurately, with a strong attention to detail	Essential
Excellent interpersonal skills to facilitate liaison with colleagues and collaborators	Essential
Interest in cancer research	Essential
Good communication skills both written and oral	Essential
Ability to work effectively and efficiently as an individual or as a team member	Essential
Ability to write scientific manuscripts	Desirable

#### Experience

Experience in statistics, computing or data analysis in medical research	Essential
Experience in using statistical packages (R, STATA or SAS)	Essential
Experience in programming in Python	Desirable

#### General

Excellent organisational skills and attention to detail	Essential
Ability to work independently and problem solve	Essential
Excellent written communication skills	Essential
Excellent verbal communication skills	Essential
Interest in cancer	Essential
Ability to work professionally and collaboratively within a team	Essential

# (Epidemiology Research Fellow)

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### Benefits

We offer a fantastic working environment, great opportunities for career development and the chance to make a real difference to defeat cancer. We aim to recruit and develop the best – the most outstanding scientists and clinicians, and the most talented professional and administrative staff.

The annual leave entitlement for full time employees is 28 days per annum on joining. This will increase by a further day after 2 years' and 5 years' service.

Staff membership to the Universities Superannuation Scheme (USS) is available. The USS is a defined benefit scheme and provides a highly competitive pension scheme with robust benefits. The rate of contributions is determined by USS and details of the costs and benefits of this scheme can be found on their website. If staff are transferring from the NHS, they can opt to remain members of the NHS Pension Scheme.

We offer a range of family friendly benefits such as flexible working, a parents' group, and a maternity mentoring scheme. Other great benefits include interest free loans for discounted season tickets for travel and bicycle purchases, access to the NHS discounts website, a free and confidential Employee Assistance Programme which offers a range of well-being, financial and legal advice services, two staff restaurants, and access to a gym and sporting facilities at our Sutton site.

#### **Further information**

You may contact Professor Amy Berrington for further information by emailing [amy.berrington@icr.ac.uk](mailto:amy.berrington@icr.ac.uk) This job description is a reflection of the current position and is subject to review and alteration in detail and emphasis in the light of future changes or development.