



**THE BREAKTHROUGH TOBY ROBINS BREAST CANCER RESEARCH CENTRE
AT THE INSTITUTE OF CANCER RESEARCH, CHELSEA, LONDON**

The Breakthrough Breast Cancer Research Centre is the first centre in the UK entirely devoted to breast cancer research. Our goal is to advance research into the causes, diagnosis and treatment of breast cancer.

Clinical Research Fellow, Molecular Pathology Laboratory

We are seeking a highly motivated Clinical Research Fellow to work full time in our Molecular Pathology laboratory, led by Prof. Jorge Reis-Filho. The successful applicant will use high throughput molecular pathology methods, in particular next generation sequencing and *in situ* methods applied to tissue samples, to unravel the genetic underpinning of special histological types of breast cancers, in particular of metaplastic breast cancers, and to characterise intra-tumour genetic heterogeneity within breast cancers.

Applicants should possess a Degree in Medicine with at least 2 years of formal histopathology training. Previous experience in histopathology, immunohistochemistry and antibody optimisation, and breast histopathology are essential. Knowledge of cancer genetics and experience in molecular pathology methods, in particular fluorescence and/ or chromogenic *in situ* hybridisation would be desirable. Training in specific molecular pathology techniques will be offered to the successful candidate.

For successful applicants who do not possess a higher academic degree, the research project may be submitted as a formal MD or PhD thesis.

The appointment will be offered on a Fixed Term Contract for 3 years in the first instance, with a starting salary in the range of £37,448 to £43,003, plus £2,162 per annum London Weighting.

Informal enquiries are welcome and can be made to Prof. Jorge Reis-Filho (jorge.reis-filho@icr.ac.uk). **CVs must be submitted in line with the instructions below.**

To apply please email your CV and covering letter (addressing where you meet the person specification and incl. the names and addresses of two referees) to: recruitment@icr.ac.uk quoting job reference number C463.

In a separate email please send your completed equal opportunities monitoring form quoting the above reference number.

Closing date: Friday 13th May 2011

INSTITUTE OF CANCER RESEARCH JOB DESCRIPTION

JOB TITLE:	Clinical Research Fellow
DIVISION:	Breast Cancer Research, Breakthrough Centre
TEAM:	Molecular Pathology
GRADE:	CLIN1
RESPONSIBLE TO:	Prof. Jorge Reis-Filho
LOCATION:	Chelsea, London, UK

OBJECTIVE OF THE POST

The postholder will use high throughput molecular pathology methods, in particular next generation sequencing and *in situ* methods applied to tissue samples, to unravel the genetic underpinning of special histological types of breast cancers, in particular of metaplastic breast cancers, and to characterise intra-tumour genetic heterogeneity within breast cancers.

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RESPONSIBILITIES/DUTIES

- To contribute to the publication of high quality research in the form of papers, patents, and presentations at meetings.
- To characterise the molecular genetic profile of special histological types of breast cancer using next generation RNA and DNA sequencing, SNP arrays, CISH, FISH and expression profiling.
- To analyse the results of immunohistochemical and chromogenic and fluorescent *in situ* hybridisation assays performed on tissue microarrays.
- To work independently on a defined project and as part of a team, and to consult when appropriate.
- To contribute to the supervision and training of junior staff.
- To take an interest in the relevant scientific literature.

The post-holder will be expected to familiarise themselves with The Institute's approach towards risk management including its policies and procedures, which require all staff to play an active part in identifying and managing risk.

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

This job description is a reflection of the present position and is subject to review and alteration in detail and emphasis in the light of future changes or development.

APPOINTMENT DETAILS

The appointment will be offered on a Fixed Term Contract for 3 years in the first instance, with a starting salary in the range of £37,448 to £43,003, plus £2,162 per annum London Weighting. In addition to annual performance related pay awards, the salary scales are reviewed annually to reflect cost of living increases.

Annual leave entitlement is 30 days per annum. There is an additional entitlement to 8 bank/public holidays and 3 Institute-set privilege days.

Person Specification	Essential or Desirable?
Education & Knowledge	
A Degree in Medicine	E
At least two years of formal histopathology training	E
A knowledge of cancer genetics	D
Formal molecular pathology training	D
Experience	
Experience and track record in breast cancer diagnostic histopathology	E
Experience in chromogenic and/ or fluorescent <i>in situ</i> hybridisation	E
Experience in immunohistochemistry and antibody optimisation	E
Experience in DNA extraction from formalin-fixed, paraffin embedded samples	D
Experience in real-time PCR and/ or real-time copy number PCR	D
Experience in chromogenic and/ or fluorescent <i>in situ</i> hybridisation	D
Experience in laser capture microdissection	D
Experience in microarray analysis	D
Experience in cancer research	D
Experience and track record in diagnostic molecular pathology	D
First authorship in at least one publication	D
Skills	
Histopathology	E
Good experimental technique	E
Good organisational skills	E
Good communication and presentation skills	E
Good interpersonal skills	E
Good writing skills	E
General	
Attention to detail	E
Computer literate	E
Ability to cope with pressure and very tight deadlines	E
Enthusiasm and self-motivation	E