**Position Title** Research Technician

 **Classification** Level 5

 **School/Division** School of Human Sciences

 **Centre/Section** UWA Centre for Medical Research

 **Supervisor Title** Associate Professor

 **Supervisor Position Number** 313748

 **Position Number** 322529

## Your work area

The Cancer Epigenetics laboratory is based out of Harry Perkins Institute of Medical Research, Nedlands WA. The laboratory is fully funded, working on development of novel targeted therapeutics for hard-to-treat cancers, including breast and ovarian cancers. The laboratory is focused on 2 main projects: the implementation of CRISPR technology to manipulate the epigenome of cancers of poor outcome and discovery characterization of oncogenes involved in metastatic spread, dormancy and resistance to therapy.

## Reporting structure

Reports to: Associate Professor Pilar Blancafort

## Your role

As the appointee you will, under general direction, coordinate aspects of technical support in animal handling, tumour implantation in mice, treatment dosages, tissue culture, and the general molecular biology laboratory.

The role will provide day-to-day support in our research projects, working with a lead research associate and postdocs on the projects.

## Your key responsibilities

Assist in the treatment, monitoring, and dissection of experimental animals (mice) as well as processing of tissue samples collected; assist in producing and propagating patient derived cell lines.

Assist on tissue culture of mammalian cells, production of inventories of cell culture, perform lentiviral and retroviral transfections, as well as “hit-and-run” transient transfections. Experience on delivery of therapeutics into cells and mice is highly desired.

Assist in the processing of tissue samples which under supervision which may include performing RNA, DNA and protein extractions, qPCRs, western blotting and immunohistochemistry/immunofluorescence methods.

Other duties as directed.

## Your specific work capabilities (selection criteria)

Relevant tertiary qualification in Science or demonstrated equivalent experience handling animals.

Substantial experience of hands-on sample processing skills and basic operations of laboratory equipment.

Highly developed written, verbal ad interpersonal communication skills.

Highly developed organisational skills with demonstrated ability to set priorities and to meet deadlines.

Proficiency in computing skills including word processing, spreadsheets, internet and email.

Ability to work independently, show initiative, problem solve and work productively as part of a team.

Ability to plot the data, report the data, write methods and protocols, and report to the research team using professional presentations.

Participate in the common duties of the laboratory, including ordering if necessary.

## Special requirements (selection criteria)

Occasional weekend work and some after-hours work may be required.

Current “C” class driver’s licence

Current National Police Clearance Certificate

Able to fit the physical requirements of the position

Vaccinations as required Tetanus, Hepatitis B, COVID, Influenza and Q Fever vaccination is recommended

## Compliance

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

To learn more about the University’s Code of Conduct, see [Code of Conduct](https://www.hr.uwa.edu.au/2234586).

To learn more about Inclusion and Diversity, see [Diversity, Equity and Inclusion](https://www.uwa.edu.au/about-us/diversity-equity-and-inclusion).

To learn more about Safety, health and wellbeing, see [Safety, Health and Wellbeing](https://www.safety.uwa.edu.au/).