THE UNIVERSITY OF NEW SOUTH WALES
SENIOR TECHNICAL / SCIENTIFIC OFFICER
POSITION DESCRIPTION

JOB PURPOSE

The Senior Technical / Scientific Officer provides operational expertise and supervisory oversight for the newly established Translational Circulating Tumour Cell (CTC) facilities hub at the Ingham Institute for Applied Medical Research.

MAIN DUTIES

- Provide operational expertise and supervisory oversight for the Translational CTC facilities hub which comprises a CTC isolation platform (IsoFlux), flow cytometry (FACS Canto) and fluorescent microscopy plus digital recording equipment (Olympus).
- Be responsible for the separation, visualization and analyses of tumour cells from blood for various research study programs on clinical utility of CTC.
- Your independent and outcome-driven work ethos will deliver reliable and consistent day-to-day operations of the CTC hub.
- Manage competing access demands of various stakeholders and ensure efficient functionality of relevant equipment.
- Provide advice and input into laboratory protocol optimization and troubleshooting for the instruments of the CTC hub.
- Independently manage and operate diverse cutting-edge technology platforms in a busy research facility.
- Contribute to tumour biomarker and genetic analyses.
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that their actions or omissions do not impact on the health and safety of others in the university

ENVIRONMENT

Position Context

The Ingham Institute for Applied Medical Research is a newly expanded independent research institute located on the grounds of the Liverpool Hospital in South West Sydney (http://www.inghaminstitute.org.au). The Institute is a collaboration between the University of New South Wales, University of Western Sydney and South Western Sydney Local Health District. The Institute has established a Translational Circulating Tumour Cell (CTC) facilities hub (the first of its kind in NSW) which provides a unique resource for researchers and clinicians towards implementing evidence-based personalized medicine. This hub enables a convergence of both basic discovery and practical clinical research with the ultimate aim to improve treatment and care for cancer patients in one of the largest and fastest growing cancer catchments in NSW.
Reporting Relationships

Supervisor’s title: CTC Program Leader at Ingham Institute

Other positions reporting to the supervisor: None

Positions reporting to this position (show position titles and levels): None

Other relationships: (if applicable): None

PRINCIPAL ACCOUNTABILITIES

- Ensure that all operational and supervisory tasks are undertaken and executed within the requested timeframe and to highest quality standards
- Ensure adherence to study protocols and exercising sound judgement in difficult situations
- Ensure effective communication with relevant stakeholders
- Excellent standards of data management, laboratory/troubleshooting protocols and maintenance of systems
- Report progress on a regular basis with the supervisor

SELECTION CRITERIA

- Post graduate qualification in science or biomedical research (minimum qualification Science/Biomed Honours)
- At least 3 years of post graduate hands-on laboratory experience in cell biology, molecular biology and/or immunology
- Proven experience in operating antigen-selective cell separation instrumentation, including FACS and/or immunomagnetic bead selection, and in operating fluorescent microscope systems, including image acquisition and interrogation
- Evidence for successful troubleshooting of cutting-edge laboratory instruments and laboratory protocol optimization; willingness to train instrument users
- Proven ability to prioritise workloads, meet deadlines and deliver high quality outcomes
- Attention to detail and meticulous laboratory notes protocoling based on confidentiality and ethical compliance
- Enthusiastic and highly motivated team player effectively contributing to the productive management of a laboratory research group/facility
- Knowledge of equal opportunity principles, WHS responsibilities and commitment to attending relevant WHS training