



POSITION DESCRIPTION

POSITION TITLE: Microscopy Platform Manager
POSITION LOCATION: Olivia Newton-John Cancer Research Institute
EMPLOYMENT TYPE: Full time and fixed term

POSITION CONTEXT:

The Olivia Newton-John Cancer Research Institute (ONJCRI) is an independent medical research institute located in Heidelberg. Our mission is to discover and develop breakthrough therapies to help people live better with cancer, and defeat it. Our research laboratories sit alongside patient treatment facilities to optimise collaboration between researchers and clinicians. The integration of laboratory and clinic ensures the rapid translation of scientific discoveries into clinical trials for the development of new cancer treatments. We investigate and develop treatments for cancers of the breast, bowel, lung, melanoma, prostate, liver, gastrointestinal tract and brain. The ONJCRI is a global leader in the development of immunotherapies, targeted therapeutics and personalised cancer medicine and sponsors early phase clinical trials.

The ONJCRI is the successor to the global Ludwig Cancer Research organisation with a proud track record of a quarter century of collaborative clinical research programs with Austin Health. Much of ONJCRI's strong foundation is built on the Ludwig Cancer Research legacy. Moreover, through the ONJCRI's exciting partnership with La Trobe University as its School of Cancer Medicine, we play a pivotal role in training Australia's future generations of medical researchers.

PRIMARY RESPONSIBILITIES:

The Microscopy Platform Manager will manage the newly established **ACRF Centre for Imaging the Tumour Environment**, perform some research activities in collaboration with other laboratories, train staff and students, and contribute to the development of new imaging methods within the platforms. The Microscopy Platform Manager will also be responsible for the coordination of service and maintenance of the equipment platforms and also work with the Laboratory & Facilities Manager to increase the cost efficiency of the facility by actively promoting the fee for service model.

REPORTING LINES:

This position will be co-supervised by the Laboratory & Facilities Manager and the Tumour Progression and Heterogeneity Laboratory Head. There are no direct reports to this position.

KEY RELATIONSHIPS:

The following key relationships that are an essential component of the position include:

Internal:

- Laboratory & Facilities Manager
- Tumour Progression and Heterogeneity Laboratory Head
- All Program Heads and Laboratory Heads



Research staff and students
Maintenance Officer

External: Service Engineers
Researchers from other institutes
Microscopy Facilities and Platforms/Programs at La Trobe University

ACCOUNTABILITIES:

- Manage operation of the Zeiss 980 confocal & multiphoton microscopes
- Manage operation of Leica Aperio AT2- digital scanner
- Manage operation of Perkin Elmer Vectra automated quantitative pathology imaging system
- Manage bright field and fluorescent microscopes within institute
- Manage other institute microscopes as required
- Contribute to the design and execution of specific projects requiring complex microscopy techniques and introducing new imaging methods
- Provide data analysis as required
- Apply and participate to research infrastructure grants to maintain state-of-the-art facilities
- Ensure the provision of an effective microscopy imaging service
- Conduct regular calibration, cleaning and maintenance of the imaging equipment as well as coordinating servicing
- Develop new tools for image visualisation, processing and analysis
- Participate in the presentation of research findings at lab or institute meetings and national or international conferences
- Actively participate to manuscripts and funding applications
- Organise high-level training sessions for staff and students in the use and operation of the imaging equipment, and in the potential application of microscopy techniques in their research projects
- Keep abreast of relevant technological developments, in part by attending microscopy related seminars and conferences and work to implement and/or adapt new approaches within the Imaging platform.

CHALLENGES:

The Microscopy Platform Manager will promote the development of the Institute's microscopy and various other platforms as identified by this position description. The successful candidate will collaborate with multiple cancer research teams, to develop innovative imaging techniques and new tools to analyse complex data.

QUALIFICATIONS:

A PhD or equivalent in science or related discipline with advanced postdoctoral research experience, complemented by microscopy experience and imaging.

EXPERIENCE & CAPABILITIES:

ESSENTIAL:

- Demonstrated postdoctoral experience and expertise in microscopy technology of biological materials
- Advanced research experience in using microscopy techniques to investigate complex biological problems
- High quality research publications in peer-reviewed journals in a relevant research field
- Strong organizational and effective time management skills
- Proven ability to interact collegially and collaboratively with investigators
- High level interpersonal communications skills and the ability to liaise with and effectively manage staff and students
- Demonstrated ability to maintain a high standard of laboratory and data records
- Excellent interpersonal as well as written and verbal communication skills.

DESIRABLE:

- Evidence of responsibility, independence and proactive attitude in service provision
- Experience with computer-based data acquisition and analysis systems