

Position Description

Position Title: Holsworth Biomedical Research Initiative Postdoctoral Fellow

Position No:	New
Business Unit:	Provost
Division:	LRHS
Department:	Rural Clinical Sciences
Classification Level:	Level A Research Only
Employment Type:	Full time
Campus Location:	Bendigo
Other Benefits:	http://www.latrobe.edu.au/jobs/working/benefits

Further information about:

La Trobe University - <http://www.latrobe.edu.au/about>

Position Context/Purpose

We are seeking a motivated postdoctoral researcher to join the Single Molecule Biology lab headed by Dr Donna Whelan. The successful candidate will drive an interdisciplinary project focussed on single molecule super-resolution microscopy of DNA double strand break induction and repair pathways. The lab has made significant advances on this and related projects to date, and there will be numerous opportunities for high quality publications and conference presentations for a talented postdoctoral scientist driving this research forward.

The successful candidate will have experience applying advanced fluorescence microscopies, ideally single molecule localization-based techniques, and some experience with molecular biology lab skills. The candidate could come from any scientific background (chemistry, molecular biology, physics, genetics, etc.) but essentially must have a demonstrable track-record of innovative interdisciplinary research beyond their core expertise. Expertise in genomic integrity research, CRISPR-Cas editing, and/or next generation sequencing would also be highly advantageous.

Duties at this level will include:

- Conduct and publish, or otherwise disseminate high quality and/or high impact research/scholarly activities under limited supervision either independently or as part of a team.
- Develop a limited amount of research related material for teaching or other purposes with appropriate guidance from more senior staff.
- Assist in obtaining research funding from external sources.
- Participate in professional activities including presentations at conferences and seminars in field of expertise.
- Provide advice within the field of the employee's research to Honours and postgraduate students.
- Attendance at meetings associated with research or the work of the unit to which the research is connected and/or at Departmental or School meetings and/or membership of a limited number of committees.
- Acquire and interpret research data and results. Run analyses and tests using specified and agreed techniques and models. Contribute to the development of techniques, models and methods.
- Undertake other duties and administrative functions commensurate with the classification and scope of the position as required by the Head of Department or Dean.

Specific duties/accountabilities for this position

- Design and conduct interdisciplinary experiments drawing on and developing expertise in cell/molecular biology, physics, chemistry, and engineering.
- A willingness to learn new discipline areas independently.
- Handling and maintenance of immortalized cell cultures in a PC2 lab.
- Training and assistance of undergraduate and honours students.
- Literature review and hypothesis development.
- Sourcing and ordering of consumables and lab equipment.

Essential Criteria

Skills and knowledge required for the position

- Completion of a bachelor's degree in the relevant discipline, and evidence of participation in higher level study relevant to discipline or professional area.

Generic Essential Skills and knowledge below

- Evidence of experience in research and evaluation and the ability to work effectively under limited supervision or independently.
- A record of contribution to publications, conference papers and/or reports, or professional or technical contributions which provide evidence of research potential.
- Experience in the analysis and modelling of data, including the capacity to integrate data from a range of sources and of uneven quality.
- Effective oral and written communication skills, including the ability to interact effectively with people from a diverse range of backgrounds.
- Demonstrated ability to work as a member of a team in a cooperative and collegial manner.

Specific skills and knowledge or define tasks required for this position

- Interdisciplinary experimental design combining cell/molecular biology with engineering/physics technologies.
- Microscope maintenance and development
- Advanced fluorescence microscopy data acquisition, processing and presentation, including use of relevant software and coding languages (i.e. Fiji/ImageJ, Illustrator/Photoshop, MATLAB/Python/R, or similar)
- Molecular biology skills including cloning, cell culture, Western blotting, fixation and fluorescent labelling.
- Efficiency in accessing and evaluating scientific literature.
- Efficiency in using software such as, or similar to, Endnote, Origin Pro, Prism, Illustrator, Word, Excel, Powerpoint.

Capabilities required to be successful in the position

- Ability to demonstrate self-awareness, see things from another person's perspective and actively seek out and act on feedback to improve knowledge, skills and behaviour.
- Ability to work collaboratively, recognise the value of diversity and model accountability, connectedness, innovation and care.
- Ability to enable a safe, inclusive, high-performing team culture, prioritising staff mental health and wellbeing.
- Ability to cultivate and create space for creativity, continuously reviewing and identifying improvements to local work practices.

Essential Compliance Requirements

To hold this La Trobe University, position the occupant must:

- hold, or be willing to undertake and pass, a Victorian Working With Children Check; AND
- take personal accountability to comply with all University policies, procedures and legislative or regulatory obligations; including but not limited to TEQSA and the Higher Education Threshold Standards.

Other Information

The position description is indicative of the initial expectation of the role and subject to changes to university goals and priorities, activities or focus of the job.

Position Flexibility

We offer flexible work arrangements that can assist you in balancing your work and other responsibilities.

Why La Trobe:

- Develop your career at an innovative, global university where you'll collaborate with community and industry to create impact.
- Enjoy working on our inspiring and stunning campuses – the perfect hub for industry, students and academics
- Help transform the lives of students, partners and communities now and in the future

This is more than just a job. Working at La Trobe offers opportunities to demonstrate excellence and transform lives.

Here, you'll join exceptional people, partners and communities, who power our operations with ambition and purpose.

Our success can be attributed to its strong sense of community. We have a long-standing commitment to diversity, inclusion and social justice; we are committed to providing a workplace where all staff feel valued, respected and supported to achieve their full potential. We strive to build a workplace where all employees of diverse backgrounds, abilities, experiences, sexuality, gender, religion and age are welcome, valued, respected and one that is representative of our community. We demonstrate our cultural qualities by holding ourselves accountable and creating a culture of trust and innovation while genuinely caring for one another.

La Trobe's Cultural Qualities:

WE ARE CONNECTED



We are **connected** to each other and the communities around us. We engage with those communities to learn from our past, inform our present and impact our future.

WE ARE INNOVATIVE



We are **innovative** in tackling the most important issues of our time. We are inquisitive and seek to develop new ideas that positively impact the way we work and the world around us.

WE ARE ACCOUNTABLE



We are **accountable** for what we do and share a commitment to excellence. We are courageous and respectful in the way we hold ourselves and each other to account.

WE CARE



We **care** about what we do and value the power of education and research. We care about each other and strive to create a safe and inclusive community.

For Human Resource Use Only

Initials:

Date: