

## Position Description

### Senior Technical Officer in Proteomics

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<b>Position No:</b>	50133200
<b>Department:</b>	Biochemistry and Genetics
<b>School:</b>	School of Molecular Sciences
<b>Campus/Location:</b>	Melbourne (Bundoora)
<b>Classification:</b>	Higher Education Officer Level 6 (HEO6)
<b>Employment Type:</b>	Full-time, Fixed term
<b>Position Supervisor:</b>	Associate Professor
<b>Number:</b>	50001246
<b>Other Benefits:</b>	<a href="http://www.latrobe.edu.au/jobs/working/benefits">http://www.latrobe.edu.au/jobs/working/benefits</a>

Further information about:

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

Comprehensive Proteomics Platform – <http://latrobe.edu.au/proteomics>

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#### For enquiries only contact:

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# Position Description

## Senior Technical Officer in Proteomics

### Position Context

As part of La Trobe University's ongoing commitment to solving real world problems the University has invested in research platforms that bring together capabilities, expertise and equipment under a defined governance and management structure to support areas of research strength within the University. The La Trobe University Comprehensive Proteomics Platform (LTU-CPP) offers a suite of synergistic capabilities for the characterisation of proteins and small molecules of interest to academic and industry researchers in the agricultural, health, life, molecular, pharmaceutical, population, and psychological sciences. A full-time position is available for an initial term of three years within the LTU-CPP to primarily support Capability A: Protein Identification and Quantification, and, where applicable, assist with the support of Capability B: Protein Structure Determination, Capability C: Protein Interaction Kinetics & Thermodynamics and Capability D: Chemical Instrumentation. The appointee will work with the Director of the LTU-CPP and the Platform Service Manager in the La Trobe Institute for Molecular Science, La Trobe University (Melbourne campus) in Bundoora.

The key function of this role is to provide expert technical support on mass spectrometry-based proteomics. The appointee will be collaborating closely with the Platform Service Manager and the users of the LTU-CPP. This is an opportunity to join a dynamic facility using cutting-edge technologies to identify and quantify protein biomarkers in the absence and presence of small molecule ligands (where applicable).

The appointee will be excellent at working collaboratively with a range of researchers across the sciences. They will be enthusiastic and expected to work cooperatively and synergistically with other support staff in the LTU-CPP to provide an integrated high level service that will enable a variety of researchers to productively engage in and analyse proteomic samples.

### Duties at this level may include:

- Applying appropriate expertise to ensure proteomic samples are prepared for mass spectrometry analysis.
- Exercising a high level diagnostic software knowledge for the analyses of proteomics datasets.
- Coordinating the operation and maintenance of specialized gas and solution-phase research equipment, including mass spectrometry, analytical ultracentrifugation, isothermal titration microcalorimetry and surface plasmon resonance instrumentation.
- Coordination and maintenance of chemical stocks, solutions and general supplies.
- Advising on the analysis and interpretation of data that will contribute to scientific presentations and reports.
- Ensuring that appropriate records are managed, monitored and maintained, including subscription, fee-for-service and/or contract costs for LTU-CPP users.
- Ensuring occupational health and safety compliance.
- Providing training to new users regarding all areas of the LTU-CPP.
- Ensuring that professional and quality service standards are maintained and applied to all areas of the LTU-CPP.
- Supporting the day-to-day operations of the platform, including developing standard operating procedures and supporting the platform's quality management system.
- Other duties as required.

### Key Selection Criteria:

- A science degree with subsequent relevant experience, or an equivalent alternate combination of relevant knowledge, training and/or experience.
- Experience working in laboratories in a research environment.
- Demonstrated ability to work both independently and as a team member.
- An excellent understanding and demonstrated experience in customer service including high level interpersonal skills and the ability to respond to people positively, confidently and with respect.
- Demonstrated analytical and technical problem solving capability and the ability to use initiative.
- Excellent written and oral communication skills to enable effective communication and consultation with a wide range and level of customers.
- Experience in the maintenance of scientific research equipment/facilities, with respect to operations, maintenance and problem solving.

### Desirable Attributes

- A degree in biochemistry, molecular biology, and/or other relevant disciplines of molecular science.
- Experience in statistics relating to biological datasets.
- Experience with mass spectrometry, other 'omic', structural and/or binding technologies, experimental procedures and analyses.
- Experience with techniques used to quantify protein-protein, protein-lipid, protein-nucleic acid and protein-drug interactions.
- Experience working in an ISO9001 accredited facility.

### 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.

### La Trobe Cultural Qualities

Our cultural qualities underpin everything we do. As we work towards realising the strategic goals of the University we strive to work in a way which is aligned to our four cultural qualities:

- We are **Connected**: We connect to the world outside — the students and communities we serve, both locally and globally.
- We are **Innovative**: We tackle the big issues of our time to transform the lives of our students and society.
- We are **Accountable**: We strive for excellence in everything we do. We hold each other and ourselves to account, and work to the highest standard.
- We **Care**: We care about what we do and why we do it. We believe in the power of education and research to transform lives and global society. We care about being the difference in the lives of our students and communities.

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For Human Resource Use Only

Initials:

Date: