

Laboratory Analyst – LA-ICPMS

College/Division	Sciences and Engineering
School/Section	Natural Sciences/ CODES Analytical Laboratories
Location	Hobart
Classification	HEO7
Reporting line	Reports to Leader of CODES Analytical Laboratories

Position Summary

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and culture future of Tasmania, and from Tasmania, contribute to the world in areas of distinctive advantage. The University recognises that achieving this vision is dependent on the people we employ as well as creating a people-centred University that is values-based, relational, diverse, and development-focused.

We are seeking to appoint a Laboratory Analyst based in the Analytical Laboratories of the Centre for Ore Deposit and Earth Sciences (CODES) in the School of Natural Sciences (<https://www.utas.edu.au/natural-sciences>), part of the College of Sciences and Engineering (<https://universitytasmania.sharepoint.com/sites/CoSE>),.

CODES Analytical Laboratories employ six full-time and three part-time staff. The Laboratories operate four laser ablation-ICPMS units, a clean sample preparation laboratory for solution ICPMS, a fully equipped Lapidary laboratory, WDS-XRF, portable XRF and bulk XRD instruments. The Laboratories play a dual role, being simultaneously a research unit within the Analytical Research Program of CODES, and a service unit which supports the main CODES research projects through allowing CODES staff and students, CODES academic and industry partners and collaborators, and other external users, to perform geochemical analyses using the methods developed within the R&D program of the Laboratories. The LA-ICPMS equipment includes 4 RESOLUTION S-155 laser microprobes, 3 UP-platform laser microprobes, 3 Agilent 7900, 1 Agilent 8900, and 1 TOF-R mass spectrometers.

We are an inclusive workplace committed to ‘working from the strength that diversity brings’ reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles. We celebrate the range of diverse assets that gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community. Tell us how we can make this job work for you.

What You'll Do

- Operate one LA-ICPMS unit consisting of a quadrupole ICPMS and an excimer laser microprobe
- Perform maintenance and minor repairs of both instruments
- Provide expert advice to internal users on the application of the instrumentation to geological problems and on data processing.
- Train staff and research students on the operation of the equipment when required.
- Perform LA-ICPMS analyses for and report results to external users of the Laboratories
- Contribute to the R&D Program of the Laboratories as required.
- Assist with operating other analytical equipment as required (XRF and XRD spectrometers, elemental analyser)
- Undertake other duties as assigned by the supervisor.



What We're Looking For

- An Honours degree or higher qualification in the field of geochemistry, or equivalent, with extensive experience in the field of analytical geochemistry.
- Demonstrated experience in independently operating and maintaining LA-ICPMS analytical equipment.
- Demonstrated interest and the ability to show initiative in LA-ICPMS analytical developments.
- Demonstrated experience with data reduction procedures for LA-ICPMS analytical data, including U-Pb geochronology.
- Demonstrated ability to work as part of team.
- Demonstrated well-developed organisational and written skills.
- Experience with WH&S issues involved in an analytical laboratory environment, including safe operation of equipment, training and induction processes, promotion of a safety first culture and continuous improvement with regards to WH&S.

Other position requirements

- Laboratory and workshop activities and handling hazardous substances
- Undertaking manual handling and lifting >10kg analytical instrumentation

University of Tasmania

The University of Tasmania is an institution with an enduring commitment to our state and community, and a strong global outlook. We are committed to enhancing the intellectual, economic, social and cultural future of Tasmania. Our [Strategic Direction](#) strongly reflects the University community's voice that our University must be place based but globally connected as well as regionally networked and designed to deliver quality access to higher education for the whole State.

We believe that from our unique position here in Tasmania we can impact the world through the contributions of our staff, students and graduates. We recognise that achieving this vision is dependent on the people we employ, as well as creating a university that is values-based, relational, diverse, and development-focused.

Check out more here:

<https://www.utas.edu.au/jobs>

<https://www.utas.edu.au/careers/our-people-values-and-behaviours>

The intention of this position description is to highlight the most important aspects, rather than to limit the scope or accountabilities of this role. Duties above may be altered in accordance with the changing requirements of the position.

