

## Lead Laboratory Analyst

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<b>College/Division</b>	College of Sciences and Engineering
<b>School/Section</b>	Natural Sciences/ CODES / CODES Analytical Laboratories
<b>Location</b>	Hobart
<b>Classification</b>	HEO 8
<b>Reporting line</b>	Manager, 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 full-time, continuing level HEO 8 Lead Laboratory Analyst based in the Analytical Laboratories of the Centre for Ore Deposit and Earth Sciences (CODES; <https://www.utas.edu.au/codes>) in the School of Natural Sciences (<https://www.utas.edu.au/natural-sciences>), which is part of the College of Sciences and Engineering.

CODES Analytical Laboratories currently employ five full-time and five part-time staff. The Laboratories operate four laser ablation-ICPMS units, a clean sample preparation laboratory for and dedicated ICPMS unit for solution analyses, 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, two Agilent 8900, two Agilent 7900, and one Tofwerk icpTOF-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

- Support in providing leadership to the laboratory team, with responsibility for employment, performance, induction, training, and overall workload management in conjunction with the Manager.
- Be responsible for one of our analytical laboratories, including the operation of one LA-ICPMS unit consisting of a quadrupole ICPMS and an excimer laser microprobe.
- Develop and maintain awareness of the capacity, capability, and operation of all other LA-ICPMS facilities in CODES Analytical Laboratories.
- Assist the Manager with overseeing the maintenance, repair, and replacement scheduling for all laboratory equipment.
- Provide expert technical advice and leadership 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.
- Perform LA-ICPMS analyses for and report results to external users of the Laboratories.



- Support the R&D Program of the Laboratories by drawing upon expertise and experience, by keeping abreast of new developments in geoanalysis, using laser ablation ICPMS in particular, and initiating and pursuing new ideas leading to laser ablation applications in mineral analysis.
- Assist with operating other analytical equipment as required (XRF and XRD spectrometers, solution ICPMS).
- Provide supervision to Casual Staff working within the Laboratory.
- Undertake other duties as assigned by the supervisor.

### What We're Looking For (success criteria)

- A Ph.D. in Geology, Geochemistry, or related discipline or relevant equivalent experience, with extensive experience in the geochemical analysis of rocks and/or minerals.
- Demonstrated experience in independently operating and maintaining LA-ICPMS analytical equipment.
- Demonstrated experience in, or capability to participate in, LA-ICPMS analytical method developments.
- Demonstrated experience with data reduction procedures for LA-ICPMS analytical data, including U-Pb geochronology, sulphide and/or silicate mineral analyses.
- Demonstrated ability to work as part of a team and to supervise other team members.
- Demonstrated experience with training and supervising lab users and devising analytical plans for external partners and collaborators.
- Demonstrated well-developed organisational and written skills.
- Experience with managing 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/about/work>

<https://www.utas.edu.au/about/values>

*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.*

