Research Fellow in Chemical Synthesis and Catalysis

**College/Division**  
College of Science and Engineering

**School/Section**  
School of Natural Sciences

**Location**  
Hobart

**Classification**  
Academic Level A Step 6

**Reporting line**  
Reports to ARC Future Fellow

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**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 research fellow in the School of Natural Sciences [https://www.utas.edu.au/natural-sciences](https://www.utas.edu.au/natural-sciences) is part of the College of Science and Engineering [https://universitytasmania.sharepoint.com/sites/CoSE](https://universitytasmania.sharepoint.com/sites/CoSE).

The appointed research fellow will work in the area of chemical synthesis and catalysis, specifically focusing on developing new synthetic reactions, target-oriented synthesis, and investigating the preparation and applications of photoactive organic molecules and metal complexes. This role will involve research activities in these areas under the supervision of Associate Professor of Chemistry and Australian Research Council Future Fellow Alex Bissember. The role will also involve supervision of higher degree by research students, involvement of research collaborations across academia and industry at local, national and international levels.

**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.**

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**What You’ll Do**

- Undertake high-quality research/scholarly activities under limited supervision either independently or as a member of a team, publish research findings and write reports, meet key milestones defined by academic or industry partners, and to meet, and regularly exceed the University’s research performance expectations for Level A.

- Make an effective and sustained contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities.

- Contribute to the development and maintenance of productive and effective links inside the University and locally and nationally with the discipline, relevant interdisciplinary domains, profession, industry and/or wider community

- Undertake other duties as assigned by the supervisor.

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**What We’re Looking For (success criteria)**
• A PhD in Chemistry with considerable practical experience in chemical synthesis.
• A demonstrated ability and understanding of research in the field of synthetic organic, organometallic or inorganic chemistry, demonstrated by a strong record of academic achievement. Experience in one or more of the following areas: total synthesis, reaction discovery/method development, the design and study of fluorescent organic molecules and metal complexes, photoredox catalysis, and electrosynthesis, is highly desirable.
• Demonstrated ability to work as part of a research team but also autonomously.
• Experience in supervision/co-supervision of student research projects.
• A willingness to contribute to building and maintaining effective and productive networks with the discipline, profession, and wider community.

Other position requirements

• Laboratory and workshop activities and handling hazardous substances

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


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.