

Queensland Compound Library



Chemistry in Motion

The Queensland Compound Library (QCL) is a national resource that provides access to a large collection of small molecules. It acts as a central repository for any compounds where the owners of the compounds wish to store them securely and make them available to research and development teams in academia and industry. The QCL is housed at Griffith University's Eskitis Institute.

The Technology

QCL uniquely enables interested parties to easily access in one place a large number of compounds. All compounds have been produced for use in drug discovery projects by Australian chemists. Currently, the QCL is storing 330,000 compounds and can make available 50,000 compounds for screening. It has a total capacity of 600,000 microtubes plus 3500 microtitre plates.

The QCL integrates advanced, environmentally controlled tube and plate storage with sample processing, ensuring compound quality and integrity. It provides compounds to interested parties. The QCL staff will quickly retrieve the required samples and reformat them into them into the preferred microplate format (screen ready 96, 384, or 1536 well format). Alternatively, the QCL can process compounds provided by interested parties for storage in microtubes or microtitre plates within the QCL.



Griffith Enterprise

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The Team

A cross-disciplinary team of 24 research leaders and more than 160, scientists, PhD students, research assistants and support staff contribute to the research of the Eskitis Institute. Eskitis was founded and is led by Professor Ronald J Quinn AM. Prof Quinn has decades of experience of drug discovery projects with the pharmaceutical industry.

The Intellectual Property

The QCL or Griffith University do not claim intellectual property rights (IPR) to any chemistry submitted by users of the facility nor to biological targets/assays that will be tested against the compound library. Nor do we claim and intellectual property rights for subsequent developments undertaken by users of the QCL.

The Offer

Entities seeking access to pure compounds from a large number of unrelated sources. Entities seeking safe long-term storage, curation and distribution of their compounds; each partner can make compounds available for third party screening or utilise QCL for private storage only.

Griffith University is seeking academic and industry partners who wish to utilise the QCL to:

- access novel compounds produced by Australian chemists for use in drug discovery projects; or
- securely store, curate and distribute pure compounds and fractions to other partners around the world.

Point of Contact

Interested parties are encouraged to contact Dr Stuart Newman, Strategic Development Manager, Griffith Enterprise:

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Griffith Enterprise is the commercialisation and technology transfer office of Griffith University. We help organisations to access the specialist expertise, research capabilities, inventions and knowledge based products and services of Griffith University. Our staff have commercial experience and understand the needs of industry and government partners. We offer flexible and tailored engagement terms, and a professional approach to doing business with the University. From lawyers and designers to engineers and scientists, we have it covered.