

QUANTUM

LIFE SCIENCES CONSORTIUM

ENABLING IMPACT IN
QUANTUM BIOTECHNOLOGY



QUBIC

The Australian Research Council Centre of
Excellence in Quantum Biotechnology

SEIZE THE QUANTUM ADVANTAGE

The convergence of quantum and the life sciences offers a rare opportunity to drive scientific breakthroughs and capture economic value.

Biotechnology has already reshaped society – from precision medicine and genomics to clean energy and sustainable agriculture.

Quantum technologies are poised to transform the life sciences.

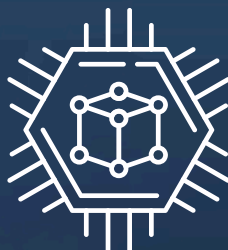
McKinsey (2025) estimate that sectors including healthcare, pharmaceuticals and chemistry could realise hundreds of billions of dollars in economic value by 2035, placing life sciences among the highest-impact application domains for quantum technologies.

Quantum technologies are already unlocking powerful new capabilities:



COMPUTING

Simulations of complex molecules, drugs and catalysts



SENSING

Real-time diagnostics of disease and next-generation proteomics



IMAGING

New frontiers in personalised medicine and brain imaging

WHY JOIN?

The Quantum Life Sciences Consortium connects industry, government, and not-for-profits to global research leaders at the forefront of this convergence.

Operated by the ARC Centre of Excellence in Quantum Biotechnology (QUBIC), we aim to help members stay ahead of disruption and lead the next generation of innovation.



Network Access

To industry, research, not-for-profit, and government stakeholders



Cutting-edge Insights

Into quantum sensing, computing and imaging, and their potential for life sciences applications



Events & Workshops

Invitations to events including biotechnology showcases, networking and seminars



Upskilling

Training your people in quantum technologies and their applications in the life sciences



Brand Visibility

Visibility through branding, public recognition, and social media



Collaboration

Access to QUBIC infrastructure/equipment and matching research funds by negotiation*



Talent Pipeline

Engage with and recruit top student and postdoctoral talent trained across quantum and life sciences

*exclusive to Platinum tier members

MEMBERSHIP TIERS

MEMBERSHIP TYPE	ANNUAL FEE	BEST FOR
<u>General Member</u>	\$2K	Organisations seeking insights before deeper engagement
<p>Key Benefits</p> <ul style="list-style-type: none"> Regular newsletter, outlining progress in quantum biotechnology, important new applications, and partnership and funding opportunities. Access to QLSC virtual seminar series Invite for 1 delegate to attend one QLSC event or co-run event with QUBIC annually (includes workshops, networking events, QLSC Industry Day, QUBIC Symposium) 		
<u>Silver</u>	\$5k (<\$500M market cap) \$10k (>\$500M market cap)	Startups, scale-ups, not-for-profits, small/mid-cap firms
<p>Key Benefits</p> <p>All General Member benefits, plus:</p> <ul style="list-style-type: none"> Invitation to present at QLSC virtual seminar series Invite for 1 delegate to attend each QLSC flagship event, as well as co-run events with QUBIC (includes workshops, networking events, QLSC Industry Day, QUBIC Symposium) Access to QUBIC network and expert briefings Brand visibility via QLSC website, newsletters, and QUBIC Annual Report Social media acknowledgements during events Annual invitation to present at QLSC Industry Day 		
<u>Gold</u>	\$25K	Mid-to-large organisations and public agencies
<p>Key Benefits</p> <p>All Silver benefits, plus:</p> <ul style="list-style-type: none"> An additional delegate per activity (2 total) Exhibit booth at select QLSC events, and at the QUBIC Symposium Priority engagement with QUBIC researchers Enhanced branding at QLSC events and the QUBIC Symposium (slides, program placement) 		
<u>Platinum</u>	\$100K+	Strategic research and development partners
<p>Key Benefits</p> <p>All Gold benefits, plus:</p> <ul style="list-style-type: none"> An additional two delegates per activity (4 total) Matching research funds and infrastructure for joint R&D projects by negotiation Prominent banner placement at QLSC events and at the QUBIC Symposium Recognition in the opening address of QLSC events and of the QUBIC Symposium Option to present at the annual QUBIC Symposium 		

A minimum 2-year membership is required.

CONSORTIUM BENEFITS

Events & Engagement

Members gain access to QUBIC's flagship events that bring together researchers, industry, investors, and government:	
QLSC Industry Day	An annual forum bringing QLSC research, industry and government partners together to engage, network and seed collaborations. Co-run with QUBIC and including a showcase of QUBIC technologies and capabilities.
QUBIC Symposium	A three-day annual event with 100+ attendees showcasing cutting-edge research, providing opportunities for training, partnering and networking.
Quantum Biotechnology School	A unique training program bridging quantum and life sciences, designed to build cross-disciplinary understanding and capability.
Thematic Workshops	Focused Workshops on high-impact application areas such as brain imaging, molecular diagnostics, or disease biology.

Network & Talent Access

Access	A unique interdisciplinary talent pipeline, including 100+ early-career researchers trained at the interface of quantum technologies and the life sciences.
Engage	With QLSC and QUBIC's growing network of 200+ researchers and 20+ national and international partner organisations.
Meet	World leading quantum and life sciences researchers, industry representatives, and government delegates.

Training, Education & Visibility

Insights	QLSC virtual seminar series and newsletter showcasing new developments in the field, research advances, and emerging opportunities.
Recognition	Through branding, website listings, annual reports, and event materials.
Advertise	Jobs, internships, and partnership opportunities via QLSC and QUBIC communications.
Access	To expert briefings on quantum technologies and their applications in the life sciences.

RESEARCH & DEVELOPMENT

The QLSC brings researchers and industry together to realise the potential of quantum technologies in the life sciences.

Through QUBIC, it brings **deep expertise** and infrastructure and a **dedicated research translation program** to support pre-commercialisation and collaborative research with industry.

QUBIC has a **strong track record of securing investment to co-fund collaborative R&D with industry** through both international funding agencies and non-government organisations.

This lowers the barrier to entry, allowing partners to explore high-risk high-impact joint research without large upfront investment.



Platinum Tier Members

QUBIC can contribute matching research funds and access to infrastructure to support co-designed R&D projects and accelerate translation. The level of these contributions would depend on the specifics of the collaborative project and its alignment with QUBICs mission and would be negotiated prior to the partner joining the Platinum tier.



ABOUT QUBIC



The ARC Centre of Excellence in Quantum Biotechnology (QUBIC) is the world's first nation-scale initiative at the intersection of quantum technologies and the life sciences. Our mission is to deliver technologies that transform health, medicine, agriculture, biosecurity, and clean energy, while building the quantum workforce and industry of the future.

QUBIC brings together multidisciplinary expertise across:



Quantum computing, sensing, and imaging



Molecular dynamics, quantum chemistry, and quantum-computer-based simulations



Precision microscopy, single-molecule sensing, and proteomics



Application areas, from neuroscience and fundamental biology to clean energy and drug discovery

Leading Research Institutions

The Centre spans five leading Australian universities:

- The University of Queensland
- The University of Melbourne
- University of Technology Sydney
- University of Wollongong
- Flinders University

These institutions are integrated with nine affiliated research institutes that contribute world-class infrastructure and specialised expertise across quantum and life science domains, with capabilities in:

- Nanofabrication
- Advanced microscopy
- Genomics
- Proteomics
- Molecular biology
- Neuroimaging
- High-performance computing
- Biochemistry

This unique concentration of facilities enables QUBIC to span the full innovation pipeline – from quantum device fabrication and cellular imaging to in vivo sensing and real-time molecular diagnostics.

QUBIC also partners with more than 20 internationally leading organisations in research and industry including:

- IBM
- Sanofi
- Evident
- PsiQuantum
- Orica
- MIT
- Johns Hopkins

This creates a global network that amplifies both research excellence and translational impact. Together, this forms a uniquely powerful ecosystem for developing and deploying next-generation quantum technologies in the life sciences.

GET INVOLVED

The sectors embracing quantum solutions today
will lead the next wave of innovation.

Contact us now to start the conversation.



partnerships@qubic.au



qubic.au



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