ENTRY REQUIREMENTS

Bachelor degree in applied science, medical imaging, chemistry, pharmacy, physics, computer science or electrical and biomedical engineering or an approved discipline.

ENGLISH PROFICIENCY

Non-native English speakers must meet UQ's English Language Proficiency. Please view the English proficiency policy at **http://future-students.uq.edu.au/applying/english-language-proficiency-requirements**

LOCATION

The University of Queensland, St Lucia campus or via remote online study.

DELIVERY MODE

Internal or External

TEACHING METHOD

All our programs are delivered online and on campus. All you need is a computer with reliable internet and word processing software such as Microsoft Word or Apple Pages.

WHEN TO APPLY?

With one intake per year, students are encouraged to apply in November for admission to the program in the following year. See UQ's Future Students website for admission and enrolment dates for both domestic and international candidates.
https://future-students.uq.edu.au/apply

FURTHER INFORMATION

The Centre for Advanced Imaging
The University of Queensland
Brisbane QLD 4072
AUSTRALIA

Phone: +61 7 3365 8263
Email: education@cai.uq.edu.au
Web: cai.centre.uq.edu.au/study

Find us on Facebook facebook.com/UQ.CAI

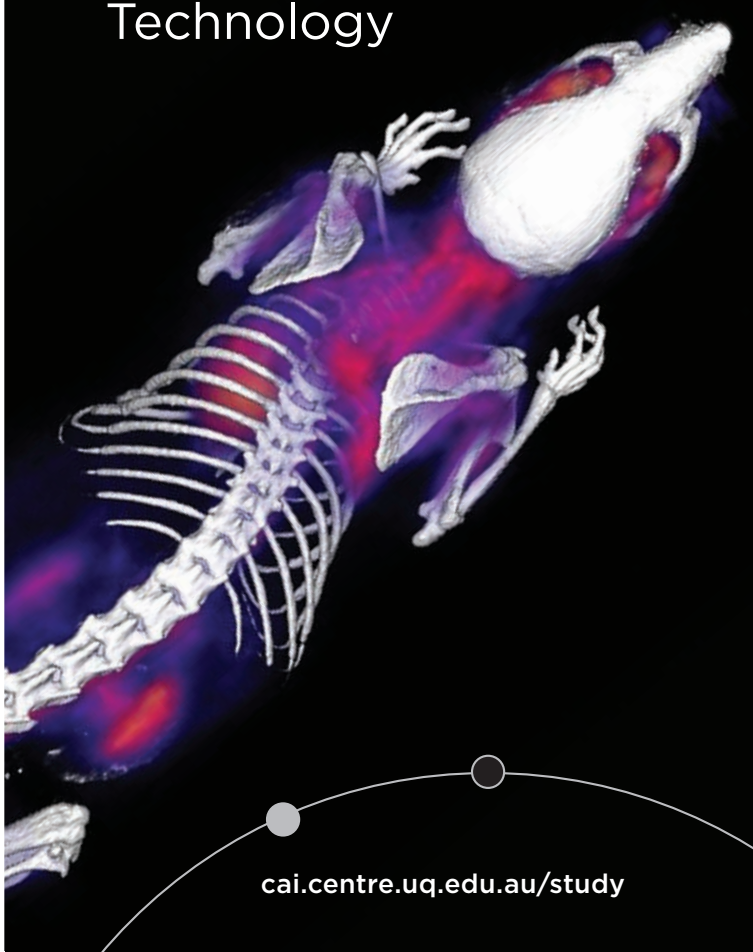
THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

108343 Sept 2017 CRICOS Provider No. 00025B

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA
Create change

CENTRE FOR ADVANCED IMAGING

Master of
Molecular Imaging Technology



cai.centre.uq.edu.au/study

ABOUT THE CENTRE FOR ADVANCED IMAGING

The Centre for Advanced Imaging (CAI) provides a rich collaborative environment for postgraduate students providing them with skills and the latest innovative techniques in imaging technology.

OUR GRADUATES: JOSHUA SIMPSON

"Having trained as a cell biologist focused on fluorescence bio-imaging, I chose the **Master of Molecular Imaging** to expand on my existing skill-set and explore more of the pre-clinical space, to better understand techniques, modalities and processes that contribute to drug development and foundational research in medical science. I enjoyed the diversity of material taught and its relevance from pre-clinical through to point-of-care.

The inclusion of contemporary research from around the globe made for excellent discussion and the opportunities of hands-on experience have helped me develop as a scientist. Having access to a wide range of academics with diverse interests and focuses and different laboratories has improved my understanding of techniques and modalities, and shaped my future career direction and personal research interests.

From generating molecular imaging probes to drug development and pre-clinical imaging, this course really offers an interesting insight into the molecular imaging field and community."

WHY STUDY MOLECULAR IMAGING AT CAI?

Molecular imaging is a form of biomedical imaging, which is rapidly growing in importance in the applied life sciences, and contributes in the advancement of biomedicines. The Master of Molecular Imaging Technology aims at training international leaders in molecular imaging.

The Centre houses a comprehensive range of molecular imaging technologies. Expertise and facilities are available for development and imaging of radioactive tracers for Positron Emission Tomography (PET) and non-radioactive tracers for computed tomography (CT), optical and Magnetic Resonance Imaging (MRI) applications.

WHO ARE THE PROGRAMS DESIGNED FOR?

Our programs are designed for nuclear medicine technologists, radiographers, chemists, biologists, physicists, and computer scientists. This program will give you an in-depth knowledge of new biomedical imaging approaches to help you become a leader in this evolving field.

Learn within a multidisciplinary environment. All CAI programs reflect the teaching teams' experience as chemists, radiochemists, medical physicists, radio pharmacologists, radio-physicists, biologists and engineers.

PROGRAM OFFERED

Master of Molecular Imaging Technology
Program Code 5692, CRICOS Code 096018G
24 units (1.5 years full-time or part-time equivalent)

PROGRAM OF STUDY

Core courses

- MRES7100 Fundamentals of MRI
- MOLI7101 Molecular Targets and Imaging Probes
- MOLI7102 Clinical and Molecular Imaging
- MOLI7109 Radiotracer Based Molecular Imaging

Elective courses

- MOLI7103 Advanced molecular imaging
- MOLI7104 Cell targeting and tracking in vivo
- MOLI7105 Minor research project
- MOLI7107 MR-PET hardware and software integration
- MOLI7108 Clinical magnetic resonance imaging
- MOLI7110 Pathological correlates of molecular imaging
- MRES7009 MRI spectroscopy and applications
- STAT7120 Analysis of scientific data

Research courses

- MOLI7106 Research project
- MOLI7200 Advanced research project