

SENIOR LECTURER

DEPARTMENT/UNIT	Medicinal Chemistry
FACULTY/DIVISION	Faculty of Pharmacy and Pharmaceutical Sciences
CLASSIFICATION	Level C
DESIGNATED CAMPUS OR LOCATION	Parkville campus

ORGANISATIONAL CONTEXT

At [Monash](#), work feels different. There's a sense of belonging, from contributing to something groundbreaking – a place where great things happen. You know you're part of something special and purposeful because, like Monash, your ambitions drive you to make change.

We have a clear purpose to deliver ground-breaking intensive research; a world-class education; a global ecosystem of enterprise – and we activate these to address some of the [challenges](#) of the age, Climate Change, Thriving Communities and Geopolitical Security.

We welcome and value difference and [diversity](#). When you come to work, you can be yourself, be a change-maker and develop your career in exciting ways with curious, energetic, inspiring and committed people and teams driven to make an impact – just like you.

Together with our [commitment to academic freedom](#), you will have access to quality research facilities, infrastructure, world class teaching spaces, and international collaboration opportunities.

We champion an [inclusive workplace culture](#) for our staff regardless of ethnicity or cultural background. We have also worked to improve [gender equality](#) for more than 30 years. Join the pursuit of our purpose to build a better future for ourselves and our communities – [#Changelt](#) with us.

The Faculty of Pharmacy and Pharmaceutical Sciences (FPPS) is dynamic, innovative and ambitious, engaging in world-class research and being a leading education provider for over 140 years. Our key research initiative is the Monash Institute of Pharmaceutical Sciences (MIPS), in which we engage some of the best equipped and most experienced pharmaceutical scientists and medicine experts in Australia. Notably for the past 6 years Monash has been ranked in the top 3 institutions in the world for Pharmacy and Pharmacology, and in 2022 was World number 1 in QS World University Rankings by Subject. From a teaching perspective, our education curriculum - comprised of undergraduate, postgraduate and higher degrees by research programs - is purpose

designed for the study of pharmacy and pharmaceutical sciences and taught by discipline experts. Our premises are located in 'the Parkville Strip', Australia's premiere health and biomedical precinct, and offer world-class teaching facilities and research laboratories to our students and staff. To learn more about the Faculty, please visit our website: www.monash.edu/pharm/.

MIPS integrates research from five fundamental research Themes to identify, develop, optimise and deliver new drug treatments – ultimately translating basic research into clinical trials. These are, [Medicinal chemistry](#), [Drug discovery biology](#), [Drug delivery, disposition and dynamics](#), the [Centre for Drug Candidate Optimisation](#), and the [Centre for Medicine Use and Safety](#).

MIPS is Australia's largest, most experienced and successful group of pharmaceutical scientists. Over 250 staff and 250 PhD candidates undertake and support basic and translational drug discovery, drug delivery and drug development research in state-of-the-art laboratories on Monash's FPPS Parkville campus. Our internationally recognised institute strives to conduct the most insightful science in our field by the best researchers and research students in world-class facilities. Our contemporary and collaborative organisational structure enables our research to occur where our core scientific disciplines meet. Collaboration at these disciplinary interfaces is expected to transform medicine design and development outcomes.

MIPS' key therapeutic programs span across neuroscience, metabolic and cardiovascular diseases, global health issues, cancer, immunity, pain and inflammation. Our researchers are leaders in their fields. Their brilliance and dedication ensure that better medicines of world significance are discovered, researched and designed right here in Australia. Our [talented staff](#) include international leaders in G protein-coupled receptor biology, translational medicinal chemistry, structural biology, lead candidate optimisation, drug delivery, pharmacoepidemiology, pharmacometrics and medication use and safety.

MIPS has strong partnerships with industry leaders, including global drug companies Servier, Takeda and Lonza, Biotech companies including Starpharma and PureTech Health and our own start-up companies such as Cincera, Ankere, Phrenix, Inosi and Septerna. In total, we have long-term collaborative research programs with more than 20 biotechnology and pharmaceutical companies. We also collaborate with leading national and international research institutes and universities and attract substantial support from industry, government and funding agencies. Our supporters include the ARC, NHMRC, Victorian State Government, the National Institutes of Health in the US, the World Health Organization (WHO), the Bill and Melinda Gates Foundation, the Medicines for Malaria Venture, the Drugs for Neglected Diseases initiative, the Wellcome Trust and other commercial and philanthropic organisations.

Educational Research is also an emerging area of strength in the Faculty, coordinated within the **Pharmacy and Pharmaceutical Sciences Education Theme (PPS-Ed)**. Staff within this Theme conduct ground-breaking research that underpins our educational approach and informs our cutting-edge innovations. Active learning, experiential learning during placements, interpersonal communication and critical thinking skills development, and individual student coaching are all evidence-based teaching approaches that have been studied and published within PPS- Ed.

POSITION PURPOSE

A Level C academic is expected to make significant contributions to the teaching effort of a department, school, faculty or other organisational unit or an interdisciplinary area. An academic at this level is also expected to play a major role in scholarship, research and/or professional activities.

The Senior Lecturer will be expected to contribute to the Faculty's undergraduate education and postgraduate training programs in pharmacy and pharmaceutical science. They will also be expected to develop an independent research program that complements existing research in the Medicinal Chemistry Theme. Our current research focus includes:

- Developing fragment-based and DNA encoded library screening technologies to identify developable hits.
- Utilising experimental and computational approaches to promote structure-based drug design.
- Developing new synthetic strategies to produce novel small molecules more quickly and efficiently.
- Expanding the “druggable” space by addressing different targets such as RNA.
- Broadening the arsenal of small molecule therapeutics using non-traditional approaches such as PROTACs, RIBOTACs and molecular glues

This research will be conducted within the Monash Institute of Pharmaceutical Sciences.

The Senior Lecturer will be expected to contribute to leadership within the Faculty, driving research and education strategy. They will work closely and collaboratively with the Faculty to ensure that Monash University continues to provide highly innovative education in pharmacy and pharmaceutical sciences that is of the highest quality and standard.

Reporting Line: The position reports to the Head of theme, Medicinal Chemistry

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level C academic may include:

1. Lead research and education strategy within the Faculty, to broaden collaborative partnerships with external agencies, academics and industry both nationally and internationally
2. Contribute to the leadership within the discipline, in professional, commercial and industrial sectors where appropriate
3. Lead a research program with national and international impact, including as chief investigator on major grant applications and through supervision of a research team
4. Undertake original research that will lead to high impact publications in refereed journals and presentations at key scientific and professional conferences
5. Contribute a significant role in research projects including initiating major funding initiatives and leading research teams
6. Supervision and mentorship of the program of study of PhD, honours and postgraduate students
7. Attract and mentor early career researchers in the development of their individual research profiles
8. Maintain a current understanding of research trends and outcomes that make significant contributions to the advancement of Pharmacy and/or Pharmaceutical Sciences by developing sustainable links with other academics in the field, government departments and key industry partners
9. Work closely with Faculty of Pharmacy and Pharmaceutical Sciences staff through providing strategic advice to ensure that Monash University continues to provide highly innovative education in pharmacy and pharmaceutical sciences that is of the highest standards and quality

10. Contribute to teaching, including preparing and delivering lectures, tutorials, seminars, practical classes, demonstrations, workshops, clinical supervision, report writing, and marking and assessments
11. Develop and practice innovative teaching and learning methods, demonstrating an openness to adopt and engage with new developments, that ensure graduates are best placed to address key challenges in medicine use and safety
12. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in the relevant discipline area or equivalent accreditation and standing and/or recognised significant experience in the relevant discipline area.

Knowledge and Skills

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors
3. Demonstrated publication record in high-quality refereed journals, conferences equivalent textbooks or teaching resources
4. Demonstrated ability to undertake outstanding research, to lead a research team, and to manage research projects, preferably in an area aligned with the current strengths of the Medicinal Chemistry Theme
5. Proven record of obtaining significant external grants for research
6. Proven track record of establishing productive research collaborations with external partners in industry and/or academia
7. Demonstrated record of successfully supervising postgraduate research students
8. Ability to work positively and cooperatively with students, internal and external teams and external organisations
9. Demonstrated strong record of teaching experience in a tertiary environment, preferably including course coordination
10. Demonstrated ability to motivate, actively engage and educate a given audience
11. Proven ability, commitment and passion for engaging in scholarly and research activities
12. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University

policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.