SENIOR RESEARCH FELLOW

DEPARTMENT/UNIT School of Biomedical Sciences / oNKo- innate Pty. Ltd.

FACULTY/DIVISION Faculty of Medicine, Nursing and Health Sciences

CLASSIFICATION Level C

WORK LOCATION Clayton Campus

ORGANISATIONAL CONTEXT
Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You’ll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you’ll need to publish your work. We’re a university full of energetic and enthusiastic minds, driven to challenge what’s expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu.

The Faculty of Medicine, Nursing and Health Sciences, is the largest faculty at Monash University, and offers the most comprehensive suite of professional health training in Victoria. We consistently rank in the top 40 universities worldwide for clinical, pre-clinical and health sciences.

We want to improve the human condition. That is our vision - it has no expiration date. Through academic health centres, other translational models and by educating the healthcare workforce of the future, our staff, students and alumni directly improve quality of life.

Setting the global health care agenda, the Faculty aspires to lead in all areas of research activity and influence local, national and international policy to improve health and social outcomes and health inequalities. We’ve made a major impact in the world of medical research and become globally recognised for our quality education of over 41,000 doctors, nurses, and allied health professionals.

We are ambitious and aim to maintain our position as a leading international medical research university. We’re recognised for the breadth and depth of our research, for our commitment to translational research, for the quality and scale of our research capability, and as a thriving biotechnology hub.

To learn more about the Faculty, please visit www.monash.edu/medicine.

The Monash Biomedicine Discovery Institute (BDI) is one of the largest and most dynamic biomedical research and teaching environments in Australia. The Institute and its cognate Departments of Anatomy and Developmental Biology, Biochemistry and Molecular Biology, Microbiology, Pharmacology and Physiology
comprise over 120 research groups and deliver discipline-focused teaching into our flagship Bachelor of Biomedical Science Degree, the Bachelor of Science Degree, as well as the Medical School and various Health-related Degree Programs. We pride ourselves on an excellent and evolving teaching curriculum and provide world-class teaching and learning space for Biomedical Sciences.

The BDI comprises six inter-disciplinary health-focused research Programs, each led by a renowned leader in the field. The BDI programs include Infection and Immunity, Cancer, Cardiovascular Disease, Development and Stem Cells, Metabolism, Diabetes and Obesity and Neuroscience. The BDI works closely with clinical and drug development precincts at Monash and has a number of major industry partnerships to facilitate the translation of our research. For more information about the BDI please visit our website at www.monash.edu.au/discovery-institute.

oNKo-innate Pty Ltd, founded by Prof Nicholas Huntington and Dr Jai Rautela, is a discovery-stage biotechnology company dedicated to target identification and pre-clinical immuno-oncology drug development. At oNKo-innate we believe that the next major advances in cancer immunotherapy will result from strategies that recruit, integrate and activate a more diverse immune response. With our leading understanding of Natural Killer “NK” cells as a key coordinator of efficient anti-tumor immunity, we are identifying and developing the next generation of immunotherapies. Please visit www.onko-innate.com to find out more.

**POSITION PURPOSE**

A Level C research-only academic is expected to make independent or original contributions to the research effort within their field of expertise and to the organisational unit or inter-disciplinary area of which they are a part. An academic at this level is expected to play a major role in research including the exercise of some leadership in research.

This position will be responsible for leading a protein engineering team and driving an innovative research program into immuno-oncology target discovery and drug development. The successful candidate will be a leader in protein expression and purification from prokaryotic and eukaryotic expression systems. Extensive experience in protein structural determination and protein biophysical characterisation is essential. Experience working with integral membrane proteins and NK cell receptors is desirable. An understanding of the commercialization pathway and established links with industry, or industry experience would be beneficial.

**Reporting Line:** The position reports to the Senior Research Fellow (Chief Executive Officer - oNKo-innate Pty Ltd)

**Supervisory Responsibilities:** This position provides direct supervision of the protein engineering team

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

**KEY RESPONSIBILITIES**

Specific duties required of a Level C research-only academic may include:

1. The conduct of research and the production of conference and seminar papers and publications from that research
2. Supervision of research-support and administrative staff involved in the staff member’s research
3. Supervision, where appropriate, of the research of less senior research-only Academic staff
4. Involvement, where appropriate, in the promotion of research links with outside bodies
5. Preparation of research proposal submissions to external funding bodies
6. Significant role in research projects including, where appropriate, leadership of research teams or management of projects
7. Responsibility for the oversight of financial management of grants received for their research projects
8. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
9. Occasional contributions to the teaching program within the field of the staff member’s research
10. Supervision of major honours or postgraduate research projects within the field of the staff member’s area of research
11. Various research-related administrative functions
12. Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental, school and/or faculty meetings and a major role in planning and committee work

KEY SELECTION CRITERIA

Education/Qualifications
1. The appointee will have:
   - A doctoral qualification in the relevant discipline area or equivalent accreditation and standing together with subsequent research experience

Knowledge and Skills
2. Demonstrated and strong record of publications, conference papers, reports and/or professional and/or technical contributions in the relevant discipline area
3. Proven track record of obtaining significant external grants for research
4. Experience in successfully supervising, mentoring and coaching to support the development of research staff and in establishing and leading a successful research team and/or demonstrated evidence of leadership capability
5. Experience in supervising and working with major honours, postgraduate research projects and/or and the co-supervision of PhD students
6. The ability to work independently in a research environment and as part of an inter-disciplinary research team
7. High level organisational skills, including the ability to plan and manage the use of research funds, with demonstrated capacity to establish and achieve goals
8. Excellent written and oral communication skills including the ability to prepare and communicate the aims and outputs of research projects in a range of formats
9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
10. Experience in protein expression and purification from prokaryotic and eukaryotic expression systems
11. Proficient in protein structural determination via cryo-electron microscopy, X-ray crystallography and/or small angle X-ray scattering
12. Knowledgeable in biophysical methods for characterising protein-protein interactions (e.g. surface plasmon resonance, analytical ultracentrifugation, multi-angle light scattering)
13. Experience in working with integral membrane proteins
14. NK and T cell receptor biology
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

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.