



Position Description:

EMBL Australia Group Leader



Position Number: 00071139
Position Title: EMBL Australia Group Leader
Date Written: September 2019

Faculty / Division: UNSW Medicine
School / Unit: SoMS / Single Molecule Science
Position Level C

ORGANISATIONAL ENVIRONMENT

UNSW is currently implementing a ten-year strategy to 2025 and our ambition for the next decade is nothing less than to establish UNSW as Australia's global university. We aspire to this in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought leadership, can make an enormous difference to the lives of people in Australia and around the world.

Following extensive consultation in 2015, we identified three strategic priority areas. Firstly, a drive for academic excellence in research and education. Universities are often classified as 'research intensive' or 'teaching intensive'. UNSW is proud to be an exemplar of both. We are amongst a limited group of universities worldwide capable of delivering research excellence alongside the highest quality education on a large scale. Secondly, a passion for social engagement, which improves lives through advancing equality, diversity, open debate and economic progress. Thirdly, a commitment to achieving global impact through sharing our capability in research and education in the highest quality partnerships with institutions in both developed and emerging societies. We regard the interplay of academic excellence, social engagement and global impact as the hallmarks of a great forward-looking 21st century university.

To achieve this ambition we are attracting the very best academic and professional staff to play leadership roles in our organisation.

VALUES IN ACTION: OUR UNSW BEHAVIOURS

UNSW recognises the role of employees in driving a high-performance culture. The behavioural expectations for UNSW are below.



Demonstrates
Excellence

Delivers high performance and demonstrates service excellence.



Drives
Innovation

Thinks creatively and develops new ways of working. Initiates and embraces change.



Builds
Collaboration

Works effectively within and across teams. Builds relationships with internal and external stakeholders to deliver on outcomes.



Values individual differences and contributions of all people and promotes inclusion.

Treats others with dignity and empathy. Communicates with integrity and openness.

OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

UNSW Medicine is a national leader in learning, teaching and research, with close affiliations to a number of Australia's finest hospitals, research institutes and health care organisations. With a strong presence at UNSW Kensington campus, the faculty have staff and students in teaching hospitals in Sydney as well as regional and rural areas of NSW including Albury/Wodonga, Wagga Wagga, Coffs Harbour and Port Macquarie.

The School of Medical Sciences (SoMS) is the largest School within UNSW Medicine, and one of the largest at UNSW. The School is based largely within the Wallace Wurth (Medicine) Building on the Kensington campus, but also includes the Museum of Human Disease in the Samuels Building and the UNSW Lifestyle Clinic on High Street, Randwick.

Australia is the first Associate Member of the European Molecular Biology Laboratory (EMBL). EMBL is an international research organisation that fosters excellence by providing a highly collaborative environment that benefits the research of all its scientists, whether at graduate, post-doctoral or group leader level. A key initiative of the associate membership is the EMBL Australia Partner Laboratory Network, a partnership of Australian research institutions which provide long-term funded research-only positions allowing early to mid-career researchers to pursue ambitious research programs. For more information about EMBL Australia visit [EMBLAustralia.org](https://www.embl.org.au).

The role of EMBL Australia Partner Laboratory Group Leader is an exciting opportunity to establish and develop their own independent research group that complements and extends the capabilities of the EMBL Australia Node in Single Molecule Science at UNSW. The successful applicant will work at the interface of bottom-up single-molecule approaches of biophysics, molecular & structural biology with top-down cell biology and physiology to provide a molecular perspective to major medical and biological questions. We particularly welcome applicants with significant experience and interest in Synthetic Biology, Cell Biology, Biophysics, Data Science, Structural Biology, and Bioengineering.

The role of EMBL Australia Partner Laboratory Group Leader reports to the EMBL Australia NSW Node Head and has direct reports that may include postdoctoral fellows, research assistants and students.

RESPONSIBILITIES

Specific responsibilities for this role include:

- Play a major role in all aspects of major research projects including management and/or leadership of a research team
- Lead the preparation, research analysis and produce/contribute to conference abstracts and publications for submission to peer-reviewed journals
- Build an inclusive and supportive culture within the group leader's laboratory and across the other EMBL Australia Partner Laboratories.

- Publish and present research results at academic/industry national and international conferences.
- Provide scholarly supervision and mentor undergraduate, honours level and post graduate research students and actively provide guidance on research methods
- Design, develop and lead research ensuring all research is conducted to methodological and ethical standards
- Formulate study design, programmes, and implementation timelines.
- Develop proposals for national competitive research grant funding
- Actively contribute to the development of the Partner Laboratory Network by:
 - Participating in EMBL Australia summits and workshops;
 - Contribute to the development of outreach programs including the EMBL Australia PhD Course and Postgraduate Symposium;
 - Communicating research outputs to the Partner Laboratory Network.
- Complete administrative functions primarily connected to area of the incumbent's own research
- Cooperate with all health and safety policies and procedures of the University and take all reasonable care to ensure that their actions or omissions do not impact on the health and safety of others.

SELECTION CRITERIA

- PhD in cell or molecular biology, immunology, physics, mathematics, engineering, or related discipline
- Proven track record in publishing scientific research papers and demonstrated experience in grant writing and ethics submissions
- Excellent oral and written communication skills, attention to detail and the ability to liaise effectively with all levels of staff, students, management, collaborators and members of the public with relevant data analysis skills
- Proven ability in working effectively as a member of a multidisciplinary team, and in supervising technical staff and students
- Demonstrated experience in relevant industry and/or in establishing/maintaining research partnerships with industry
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.