

## POSITION DESCRIPTION

### GROUP LEADER – EMBL AUSTRALIA PARTNER LABORATORY

#### INTRODUCTION

**EMBL** is an international research organisation offering a highly collaborative, uniquely international culture. It fosters top quality, interdisciplinary research by promoting a vibrant environment consisting of young independent research groups composed of outstanding graduate students and postdoctoral fellows. The scientific programme of EMBL emphasises experimental analysis at multiple levels of biological organisation, from the molecule to the organism, as well as computational biology, bioinformatics and systems biology. In addition to exciting colleagues, the laboratory provides excellent shared facilities for a variety of advanced experimental approaches. High-level expertise is also available in computational biology, diverse aspects of experimental molecular biology as well as physics, biophysics, chemical biology and instrument development.

Australia is the first Associate Member of the European Molecular Biology Laboratory (EMBL). EMBL Australia provides Australian researchers access to EMBL through activities such as funded research positions, collaborative ventures and the formation of the EMBL Australia Partner Laboratory.

The **EMBL AUSTRALIA Partner Laboratory Network (PLN)** has been established through a hub and spoke framework to enable academic staff in one research group to have access to the complementary facilities and expertise at other institutions.

Each partner laboratory node will comprise a minimum of four complementary research groups to ensure a critical disciplinary mass at that site. Current research partners in the network include Monash University, the Universities of Western Australia, Sydney and Queensland and CSIRO. These organisations have specific interest in life sciences research and extensive networks with other universities and research institutes. The complementarity and willingness to work cooperatively are exhibited in the proposed scientific program developed by the EMBL Australia working group after extensive consultation.

The hub laboratory and administrative headquarters of the EMBL Australia Partner Laboratory will be at the **Australian Regenerative Medicine Institute (ARMI)** a state-of-the-art regenerative medicine research facility based at Monash University's Clayton campus. The Institute is a joint venture between Monash University and the Government of Victoria.

Consistently ranked among the world's top 50 universities by the UK Times Higher Education Supplement, **Monash University** has a bold vision - to deliver significant improvements to the human condition. Distinguished by its international perspective, Monash takes pride in its commitment to innovative research and high quality teaching and learning.

Monash University is a large, complex and diverse university with an international focus and a long-standing commitment to quality teaching, learning and innovative research. It has an excellent reputation for high quality research output, and undergraduate and graduate education.

#### INDICATIVE RESEARCH THEMES FOR EMBL AUSTRALIA

Research themes in the EMBL Australia PLN will focus on complementary activities that will integrate the proposed Partner Laboratory nodes with sponsoring Universities and surrounding Institutes to develop and expand existing strengths of Australian life and health sciences in the following six general areas: -

- Regenerative Medicine and Stem Cell Biology
- Human Genetics and Disease
- Cancer and Clinical Research
- Chemical Biology
- Systems Biology

The Scientific Programme of EMBL emphasises experimental analysis at multiple levels of biological organisation, from the molecule to the organism, as well as Computational Biology, Bioinformatics and Systems Biology. For details, see:

[http://www.emblaustralia.org/Research/Scientific\\_Program.aspx](http://www.emblaustralia.org/Research/Scientific_Program.aspx)

## **GENERAL STANDARD**

A Level D research-only academic is expected to make major original contributions to the research enterprise of the area in which he/she is appointed and to play a significant role within their profession or discipline. Academics at this level may be appointed in recognition of marked distinction in their area of research or scholarship.

## **SPECIFIC DUTIES**

The Group Leader will:

1. Play a major role in all aspects of major research projects including management and/or leadership of a research team;
2. Conduct independent research, in which the academic may work as part of a team, and the production of conference and seminar papers and publications from that research;
3. Supervise support staff involved in their research;
4. Guide the research effort of less senior research staff members in the research area;
5. Prepare research proposal submissions to external funding bodies;
6. Assist with the development of research grant initiatives with other staff from the Institute and promote research links with outside bodies.
7. Be involved in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise;
8. Undertake administrative functions primarily connected within area of research.
9. Make contributions to the teaching program within the field of the staff member's research;
10. Supervise major honours or postgraduate research projects within the field of the staff member's area of research;
11. Attend 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.

## **SELECTION CRITERIA**

### **Essential**

- PhD qualification in Biomedical Sciences or related science discipline
- Evidence of a strong research record
- Previous research in the area of regenerative biology
- Statistical analysis and manuscript preparation skills
- Evidence of refereed publications and grant funding
- High level organisational skills, with demonstrated capacity to establish and achieve goals
- Evidence of strong collaborative skills
- Excellent written and oral communication skills
- A demonstrated capacity to work in a collegiate manner with other staff in the workplace.