# ABOUT THE WESTERN AUSTRALIAN MUSEUM

The WA Museum’s mission is to inspire curiosity to explore the past, question the present and shape the future.

Our work is diverse and collaborative; it is local, national and global. We aspire to be valued, used and admired by all Western Australians and the world.

WA Museum manages eight locations throughout Western Australia, including the award winning Boola Bardip in Perth Cultural Centre. We have a team of dedicated curators undertaking a wide range of research and caring for more than eight million objects for the benefit of future generations.

The Museum is a Statutory Authority within the Department of Creative Industries, Tourism and Sport (CITS).

Respectful Inclusive Accountable Enterprising

Recognition of Aboriginal

and Torres Strait Islander peoples as the First Peoples of Australia

**OUR VALUES**

Inspiring curiosity to explore the past, question the present

and shape the future.

**OUR MISSION**

# ORGANISATIONAL PILLARS

**1**

**2**

**3**

**4**

An informed and engaged community working together for a better future.

**OUR VISION**

|  |  |  |  |
| --- | --- | --- | --- |
| Sustainability | At the Heart of the Community | Aboriginal and Torres StraitIslander Peoples | State-wide |

**DETAILS OF THE POSITION**

## Position Title

Molecular Systematist (Entomology)

**Classification Level** Level 5 (5) **Directorate**

Collections and Research

## Physical Location(s)

Collections & Research Centre, Welshpool

## Position Number

16635

## Award/Agreement

Public Service Award 1992 / PSGO CSA GA

## Branch/Team

WA Museum

# REPORTING RELATIONSHIPS

## Position reports to

Curator of Entomology SCL2

## Positions reporting to this position

* Nil

# PURPOSE OF THE POSITION

This position will support a project that will discover, describe, and document Pilbara carabid beetle species using molecular and morphological data and place them in their global and historical phylogenetic context.

# STATEMENT OF DUTIES

* Coordinate phylogenetic research into the Carabidae fauna of Western Australia, with a focus on the Pilbara region.
* Collaborate with colleagues in generating molecular datasets and the development of specimen processing and analytical pipelines combining morphology and genomics.
* Advise post-graduate students, particularly in molecular lab methods and phylogenetic analyses.
* Contributes to the preparation and publication of scientific manuscripts.
* Communicate results via verbal and written presentations, including presenting updates to stakeholders (e.g. funders) via regular progress reports.
* Other duties as required with respect to the scope of the position.

# WORK RELATED REQUIREMENTS

## Essential

1. Bachelor of Science (Honours) with a major in Bioinformatics, evolutionary biology or similar, or substantial relevant experience.
2. Experience with applying phylogenetic methods to biodiversity research, generating genomic data sets, and programming in Python or R.
3. Demonstrated experience in publishing scientific papers on phylogeography, biogeography, speciation, or taxonomy in peer-reviewed journals.
4. Demonstrated capacity for independent biodiversity research including well documented code generation, molecular genetics lab skills, and intellectual creativity.
5. Demonstrated ability to execute projects within deadlines while ensuring high quality project delivery.

## Desirable

* Experience in Entomology, or related invertebrate biology and/or a PhD.
* Research experience in comparative genomics and/or computational biology.
* Field biology experience.

# SPECIAL CONDITIONS

* Nil.

# APPOINTMENT IS SUBJECT TO

* Eligibility to Work in Australia
* A current (within six months) National Police Clearance Certificate