**Position Title** Microscopy Australia Data Specialist

 **Classification** Level 8

 **School/Division** Deputy Vice-chancellor (Research)

 **Centre/Section** Centre for Microscopy, Characterisation and Analysis

 **Supervisor Title** Microscopy Australia Facility Lead

 **Supervisor Position Number** 322033

 **Position Number** 322497

## Your work area

The Centre for Microscopy, Characterisation and Analysis (CMCA) is UWA’s core characterisation facility. The CMCA’s mission is to enable research excellence by providing access to world-class scientific infrastructure and expertise in characterisation to researchers and industry. It comprises ~30 academic, research, technical, and administrative staff supporting a diverse range of imaging and analytical instrument platforms. The Centre is home to the WA node of Microscopy Australia, a national consortium of advanced microscopy facilities that receives funding through the Federal Government’s National Collaborative Research Infrastructure Strategy (NCRIS).

The node incorporates electron microscopy and microanalysis (including WA’s first and only cryo electron microscopy facility), optical microscopy (including super resolution optical platforms), secondary ion mass spectrometry (SIMS), inductively coupled plasma mass spectrometry (ICPMS), X-ray microscopy, scanned probe microscopy, and nuclear magnetic resonance (NMR). The Centre provides support for the full lifecycle of research, from project design through data acquisition and analysis to publication.

The facilities generate significant amounts of imaging data (2D and 3D) and spectral data, and our goal is to support researchers to implement best practise in their management and analysis of that data. To that end, the Microscopy Australia node participates in several local and national initiatives related to data storage and data processing in collaboration with partners within UWA, from other universities, and from national high-performance computing facilities.

## Reporting structure

Reports to: Microscopy Australia Facility Lead

## Your role

Under broad direction, you will work with expert academic and professional staff in the facility to implement data management procedures for high-end research infrastructure, ensuring compliance with University policies and national requirements. You will also manage the facility’s data processing capabilities.

You will join a team of equivalent staff at Microscopy Australia nodes in other states to develop and implement broader strategies related to data management and processing. You will work closely with a range of stakeholders including facility users and staff, and university IT to support the data management needs of the facility.

## Your key responsibilities

Assist facility staff and researchers with data management and analysis, including storage, transfer, and processing.

Develop, implement, and deliver training and educational resources for researchers and staff on data management and analysis, including best practices in data handling, transfer, storage, and sharing.

Participate in the Microscopy Australia Data Management and Informatics Committee, contributing to the development and implementation of data-related initiatives across the national Microscopy Australia network.

Liaise with relevant stakeholders at the University such as IT and library services to ensure compliance with University policies and alignment of facility data management plans with future institutional initiatives.

Management of the facility’s data processing laboratory.

Perform other duties as directed.

## Your specific work capabilities (selection criteria)

Tertiary qualification in a relevant field or demonstrated equivalent competency.

Substantial relevant experience with data in one or more of the following: processing, management, storage, or transfer.

Experience in developing and implementing training and educational resources.

Knowledge of FAIR principles, persistent identifiers, and metadata capture/management.

Highly developed interpersonal skills with demonstrated ability to develop and maintain strategic relationships with stakeholders.

Highly developed verbal and written communication skills.

Highly developed organisational skills with the demonstrated ability to set priorities and to meet deadlines.

Ability to work independently, show initiative, problem solve and work productively as part of a team.

Experience working in a microscopy related environment is desirable.

## Special requirements (selection criteria)

Occasional interstate travel may be required.

## Compliance

Ensure you are aware of and comply with legislation and University policies.

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