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## POSITION DESCRIPTION

# Research Associate

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Position Level	A
Faculty/Division	Engineering
Position Number	00114603
Original document creation	23/10/2024

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### Position Summary

The Research Associate will support the ongoing activities in the Translational Biomedical Diagnostics group/ARC Centre of Excellence for Nanoscale Biophotonics in the area of advanced imaging/data science, at the UNSW site and also at other Nodes of the Centre. as described in the approved Proposal.

The role of Research Associate reports to Professor Ewa Goldys and has no direct reports.

### Accountabilities

Specific accountabilities for this role include:

- Conduct research in the area of advanced hyperspectral autofluorescence imaging and brightfield imaging of cells and tissues, independently and as part of a team.
- Develop software code related to advanced imaging of cells and tissues with specific emphasis on hyperspectral autofluorescence imaging and analysis and spectroscopy.
- Support the development of the hyperspectral technology within the Centre of Excellence for Nanoscale Biophotonics and its translation to the end users.
- Contribute to the writing of scientific papers and reports for international journals and progress reporting to other researchers and industry partners.
- Assist with the coordination of research activities and actively contribute to research outputs to meet project milestones.
- Contribute to the preparation of research proposal submissions to funding bodies and actively seek collaboration with industry partners as appropriate.
- Participate in and/or present at conferences and/or workshops relevant to the project as required.

- Assist with the supervision of research students in the research area where required.
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#).
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

## **Skills and Experience**

- PhD (or soon to be awarded) in hyperspectral autofluorescence imaging and analysis or related area.
- Demonstrated ability to conduct independent research with limited supervision, particularly in the area of basic cell assays
- Demonstrated track record of publications and conference presentations relative to opportunity.
- Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- Strong interpersonal skills with demonstrated ability to communicate and interact with a diverse range of stakeholders and students.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

## **Pre-employment checks required for this position**

- Verification of qualifications

### **About this document**

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.