Position Summary

A Research Associate contributes towards the research effort of UNSW and develops their research expertise through the pursuit of ARC Discovery Project (DP210100879). The Research Associate will seek to develop next generation haptic memory materials for the applications of artificial sensory nerves, which can precisely detect, process and respond to mechanical stimuli. The position will involve developing new electronic materials for a wide range of end uses in next-generation flexible sensor technologies.

The role of Research Associate reports to Prof. Dewei Chu and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Contribute independently and as a team member in collaborative research with a focus to enhance the quality of research outcomes in the discipline area.
- Conduct research (as per the norms of the discipline) and/or enable research teams to create scholarly output that is recognised by peers.
- Undertake specific research project/s under the guidance of a research leader and contribute to development of research activities.
- Support the dissemination of research outcomes through appropriate channels and outlets.
- Conduct qualitative and quantitative data analysis for the project.
- 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

- A PhD (or soon to be awarded) in Materials Science or a related discipline, and/or relevant work experience.
- Experience in the fields of nanomaterials, electronic materials and devices.
- Proven commitment to proactively keeping up to date with discipline knowledge and developments.
- Demonstrated ability to undertake high quality academic research and conduct independent research with limited supervision.
- 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.
- Evidence of highly developed interpersonal skills.
- 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.

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.