Position Description

Postdoctoral Fellow/Senior Research Associate

Position Number: 00081177 *Position Title: Postdoctoral Fellow* *Date Written: January 2019*	*Faculty / Division: Faculty of Engineering* *School / Unit: School of Chemical Engineering* *Position Level: Level A/B*

ORGANISATIONAL ENVIRONMENT

UNSW is currently implementing a ten year strategy to 2025 and our ambition for the next decade is nothing less than to establish UNSW as Australia's global university. We aspire to this in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought leadership, can make an enormous difference to the lives of people in Australia and around the world.

Following extensive consultation in 2015, we identified three strategic priority areas. Firstly, a drive for academic excellence in research and education. Universities are often classified as 'research intensive' or 'teaching intensive'. UNSW is proud to be an exemplar of both. We are amongst a limited group of universities worldwide capable of delivering research excellence alongside the highest quality education on a large scale. Secondly, a passion for social engagement, which improves lives through advancing equality, diversity, open debate and economic progress. Thirdly, a commitment to achieving global impact through sharing our capability in research and education in the highest quality partnerships with institutions in both developed and emerging societies. We regard the interplay of academic excellence, social engagement and global impact as the hallmarks of a great forward-looking 21st century university.

To achieve this ambition we are attracting the very best academic and professional staff to play leadership roles in our organisation.

Values in Action: Our UNSW Behaviours

UNSW recognises the role of employees in driving a high performance culture. The behavioural expectations for UNSW are below.

Please refer to the UNSW Behavioural Indicators for the expectations of your career level (level A / B).

Values in Action
Our UNSW Behaviours

Demonstrates Excellence	Delivers high performance and demonstrates service excellence.
Drives Innovation	Thinks creatively and develops new ways of working. Initiates and embraces change.
Builds Collaboration	Works effectively within and across teams. Builds relationships with internal and external stakeholders to deliver on outcomes.

Values individual differences and contributions of all people and promotes inclusion.

Treats others with dignity and empathy. Communicates with integrity and openness.

OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

The School of Chemical Engineering has been delivering excellent teaching and research for over sixty-five years. The research clusters in the school broadly span the areas of Energy, Food and Health, Environmental Technology, Macromolecular and Interfacial Engineering, and Product and Process Design. It offers degrees in Food Science and Technology, Chemical Engineering and Industrial Chemistry. The school is ranked in the top 37 (QS World Ranking) in Chemical Engineering. For further information about the School, please visit http://www.engineering.unsw.edu.au/chemical-engineering/

The Postdoctoral Fellow/Senior Research Associate will drive and contribute to research aimed at the improvement of applied tissue culture in the School of Chemical Engineering. The role will support Professor Johannes le Coutre's team, meet project milestones and will build productive relationships with internal and external stakeholders. It is planned to develop leading and visible recognition in the emerging field of cellular agriculture.

The role will report to Professor Johannes le Coutre and has no direct reports.

RESPONSIBILITIES

Specific responsibilities for this role include:

Level A

- Conduct hands-on research in the area of tissue culture independently and as part of a team.
- 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.
- 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.

Level B (in addition to the above)

- Conduct, design and develop research in food processing technology, food rheology & texture, and food product innovation.
- Contribute to the establishment of new laboratories as part of the UNSW Food & Health cluster.

- Disseminate research results through writing of scientific papers and reports for international journals and progress reporting to other researchers and industry partners.
- Supervision of PhD and research students.
- Create a scholarly impact in the discipline which is recognised by peers in advancement of disciplinary knowledge.
- Demonstrate initiative in all tasks, working with supervision, and to prioritise work to ensure that it is completed to the highest standard and within established timeframes.
- Participate in the definition of research directions and actively contribute to the coordination of research activities and research outputs to meet project milestones.
- Independently seek and apply for external funding opportunities to grow and enhance the research project.

SELECTION CRITERIA

Level A:

- PhD in Developmental Biology or related area.
- Demonstrated ability to 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.
- Strong interpersonal skills with demonstrated ability to communicate and interact with a diverse range of stakeholders and students.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

Level B:

In addition to the above, essential criteria for Level B include:

- PhD in Developmental Biology or related area.
- At least two years of experience in a postdoctoral position conducting research in the field of tissue culture, serum replacement and upscaling of growth yields.
- Proven research and publication track record, particularly in high quality peer-reviewed journals.
- Demonstrated ability to supervisor honours and postgraduate research students.
- Experience with the ongoing discussion in the food/nutrition and agricultural domains about the significance of alternative proteins.

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.