



ARC
CPTT

Centre for Personalised
Therapeutics Technologies

2021 PhD Scholarship at University of Western Australia (ARC Training Centre for Personalised Therapeutics Technologies)

The Opportunity

We are looking for a highly motivated, passionate, and competitive candidate for a 4-year (max) fully funded PhD position in the ARC Training Centre for Personalised Therapeutics Technologies (CPTT). The successful candidate will join the Centre, which is a collaborative venture of The University of Melbourne (Department of Biochemistry & Pharmacology), Monash University (Monash Institute of Pharmaceutical Sciences), The University of Western Australia, and its industry partners.

About the Position

The successful applicant will be based at the University of Western Australia node of the ARC CPTT, working on a biomedical engineering project focussing on developing scaffolds for skeletal tissue engineering.

The applicant will also take part in the CPTT's Doctoral Training Program, which will equip the candidate with critical skills required for a career that spans both industry and academia. CPTT fosters close partnerships between our university-based researchers and industry-based research end-users to provide transformative research programs and innovative doctoral training. Additionally, the candidate will be placed with Orthocell, one of our Centre's industry partners for an internship position, making them more competitive for employment at the completion of their PhD. The position comes with a 3-year stipend of \$31,828p.a. with the possibility of a six-month extension.

The Project

Title: Bioengineering of natural scaffold for skeletal tissue regeneration.

Collagens are naturally-derived polymers. As collagen genes are well preserved through evolution, use of collagen from non-human species for medical implant has the advantage of biocompatibility. The objective of this project is to search for ideal collagen polymers from nature that mimic human tissue structure and architecture for tissue repair and regeneration.

Eligibility

Masters degree in Biotechnology or equivalent training and/or experience. The project manager reserves the right to make an appointment before the closing date if a suitable candidate is identified. International candidates will only be considered if currently in Australia.

The ideal candidate for the study should preferably have a background in biotechnology, biochemistry and histology.

Enquiries

Contact Professor Minghao Zheng for more information (minghao.zheng@uwa.edu.au).

Visit the University of Western Australia website via [this link](#) for further information

Closing Date for Applications

16th July 2021



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ARC-CPTT



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WESTERN
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