



澳門大學

UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



健康科學學院
Faculdade de Ciências da Saúde
Faculty of Health Sciences

Doctor of Philosophy in Biomedical Sciences PhD Student Recruitment

Position:	PhD student
Supervisor:	Professor Ren-He XU
Email:	renhexu@um.edu.mo
Personal Website:	https://fhs.um.edu.mo/staff/academic-staff/xu-ren-he/

PhD student in Biomedical Sciences

The laboratory of Professor Xu is seeking a highly motivated PhD candidate to conduct stem cell research.

The laboratory focuses on human embryonic stem cells (hESCs) and hESC-derived mesenchymal stem cells (MSCs), named EMSCs (or T-MSCs), which were recently approved by the U.S. FDA as an Investigational New Drug (IND) for clinical trials on multiple sclerosis. Professor Xu has extensive experience in the generation and application of EMSCs. He is also interested to study the development and heterogeneity of MSCs.

The appointed student will participate in the research project derived from the research interests above. He/she will be given the opportunity to master state-of-the-art techniques in stem cell generation, differentiation, genetic and cellular engineering, animal models as well as learning new techniques from collaborators' laboratories. He/she will study the development of MSC-like cells *in vivo*, interaction of EMSCs with host cells, and/or immunogenicity, efficacy, and biosafety of EMSCs.

Applicants must hold a bachelor or master degree in relevant areas of cell, molecular or developmental biology. Previous experience in cell culture and analysis as well as animal work will be of advantage.

For further information, please contact Professor Ren-He Xu at renhexu@um.edu.mo.

Normative Study Period

4 years.

Tuition Fee

The current Tuition Fee Scheme ([LINK](#)) is programme-based.

Scholarship and Post-graduate Assistantship

UM Macao PhD Scholarship

Candidates recruited from high-ranking universities can also apply for the "UM Macao PhD Scholarship" (MPDS) which offers assistantship of MOP20,000/month for a period up to 4 years. Please visit Graduate School's website ([LINK](#)) for details of the MPDS.

PhD Assistantship



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All full-time PhD students in the Faculty receive an assistantship of MOP12,500/month, subject to the “Guidelines for UM PhD Scholarship and Assistantship” ([LINK](#)) of the University. Please visit Graduate School’s website ([LINK](#)) for details of the assistantship.

Application Deadline

Recommended Direct Admission: 15 October 2020

Regular Admission: 26 February 2021

The Faculty of Health Sciences at the University of Macau is a leading research and education institution in biomedical sciences. The Faculty aims to tackle the fast-evolving global health challenges through cutting-the-edge research and nurturing new talent in biomedical sciences.

For further information, please feel free visit the following websites:

PhD Student Recruitment of FHS ([LINK](#))

PhD programme of FHS ([LINK](#))

Graduate School ([LINK](#))