



THE UNIVERSITY OF
WESTERN
AUSTRALIA

The Marshall
Centre

The Australia-China Helicobacter Research Fellowship

Information Package
2021





The Australia-China Helicobacter Research Fellowship

The Helicobacter Research Laboratory at The University of Western Australia (UWA) was founded in 2007 to celebrate the awarding of the Nobel Prize in Physiology or Medicine to Professor Barry J. Marshall and Emeritus Professor (John) Robin Warren.

The Helicobacter Research Laboratory is a world-leading authority in the prevention, diagnosis and treatment of the human pathogen *Helicobacter pylori* (*H.pylori*).

A new international partnership between UWA and the Australia-China Council will advance research into the world's most common infection that is the main cause of stomach ulcers.

The Australia-China Helicobacter Research Fellowship offers exceptional Chinese medical scientists the opportunity to work alongside world-leading bacterium researchers in Perth, Western Australia.

Successful candidates will spend time in the Helicobacter Research Laboratory undertaking specialist training in *H.pylori* culturing, sequencing and analysis.

The four-week program is available for Chinese medical scientists, clinicians and researchers interested in learning about:

- the foundations of academic research within an Australian context
- *H.pylori*
- culturing *H.pylori* techniques
- methods in testing antibiotic sensitivity
- how Next Generation sequencing can be applied to *H.pylori* and microbiome research

Prerequisites

To be eligible, candidates need to meet the following criteria:

- A Memorandum of Understanding (MOU) must exist between the candidate's host university / hospital / institution and UWA. If a MOU isn't already in place, this can be facilitated by UWA with at least three weeks' notice.
- Eligibility and approval to travel to Australia and apply for an appropriate visa.
- Basic knowledge in microbiology, basic aseptic techniques, basic understanding in Linux and other bio-informative tools.
- Proficiency in written and oral English.
- Candidates must bring their own laptop with minimum specifications including: Windows 7, Windows 8, Windows 10 or Windows Server 2012
- OS X 10.9, 10.10, 10.11 and macOS 10.12
- Linux: RHEL 6.0 and later, Suse 13.1 and later
- 64 bit operating system
- at least 4 GB RAM recommended
- at least 1024 x 768 display required
- Intel or AMD CPU required

Program Overview

The Australia-China Helicobacter Research Fellowship is designed to give candidates specialist training in *H.pylori* culturing, sequencing and analysis, along with an introduction to research at UWA.

The training will be primarily provided by Dr Alfred Tay, Manager of the Helicobacter Research Laboratory.

Throughout the program, candidates are expected to integrate into the research activities at The University of Western Australia and make the most of the University's library facilities for independent study outside of training times.

All candidates will receive a Certificate of Participation. Candidates undertaking the Fellowship will be required to sign a confidentiality agreement with UWA.

Program Dates

The next program will run for four weeks from 26 July until 20 August 2021.

Program Costs

AU \$15,000

Three (3) scholarship placements are available per year. These scholarships waive the AU \$15,000 program costs but other costs apply (see below).

Included in the Program Costs

- Accommodation provided by UWA Forrest Hall Short Stay or similar
- Meal and assorted personal expenses vouchers
- Welcome and Farewell functions
- Training and research expenses
- Supervision support

Not included in the Program Costs:

Candidates are required to cover the costs of:

- Transport, including public transport as required when in Perth
- Airfares and transit fees from China to Perth, Western Australia
- Insurance (travel and health)
- Weekend social and cultural activities, daily lunches and incidental living costs
- Visa costs

Application Process

Applications for the Fellowship must be received by

28 February 2021.

Your application should consist of the following documents:

- Curriculum Vitae (one A4 page); must include contact details and email address
- A one A4 page covering letter outlining why you would like to undertake the training and whether you are applying for a full fee-paying placement or a scholarship.



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