



THE UNIVERSITY OF  
**WESTERN  
AUSTRALIA**

Health and  
Medical Sciences

# 2018 Winter School Information Package

Undergraduate and Postgraduate Study  
Preparation and Supervised Placements







## 2018 Winter School Program

### Brief description

The Winter School Program was established in 2010, with the objective of offering international medical students an opportunity to experience postgraduate study and research at The University of Western Australia and universities in China

Students will undertake a week of specialized lectures and workshops on postgraduate research methodology, research ethics, and scientific writing skills, before commencing their specific placements.

### Course requirements

- English Language proficiency
- Health and Travel insurance
- Any placement-specific requirements, as detailed in the Placement Descriptions.

### Program costs

#### 4-Week Program

AU\$3,800

#### 5-Week Program

AU\$4,500

#### Included in your Fees:

- Accommodation and most meals (lunch is not included)
- Welcome and Farewell functions
- Training and research expenses
- Supervisor support

All students will be enrolled as a formal student of The University of Western Australia.

Students will have access to a concession travel pass (Smartrider), including \$70 credit for public transport journeys to and from UWA, Monday to Friday.

Students are responsible for personal and incidental costs, including:

- Airfares and visas
- Insurance (travel & health)
- Weekend social and cultural activities, daily lunches and incidental living costs

### Placement descriptions

#### Laboratory Research

Contact Times: 4 weeks 30/07/2018 – 24/08/2018.

Students will have the opportunity to experience medical and clinical research in a laboratory setting. Students are placed in pairs within a working research team in order to observe how a research laboratory operates, perform basic techniques, and gain insight into how research can be translated into clinical practice.

Past research projects have included study into cancer; genetic screening; pregnancy complications; and osteoporosis.

Prior laboratory experience is useful, but not essential.

#### Ophthalmology – Western Australian Eye Protection Study

Contact Times: 4 weeks 30/07/2018 – 24/08/2018.

Myopia is the leading cause of visual impairment worldwide and the risk of blinding eye diseases is also increased significantly in individuals with myopia.

In East and South East Asia (including China) 80-90% of young adults are myopic, with 10-20% having high myopia. In Australia, even though myopia affects a smaller proportion of the population (approximately 24% of 20 year olds) as compared to Asian countries, the prevalence is steadily increasing.

Outdoor activity has been recognised as a protective factor against myopia, however, UV light exposure during outdoor activity can be harmful in high doses. We are undertaking studies in this area.

Visiting students will be involved in data collection and analyses for the Western Australian Eye protection Study. Students learn our study techniques by examining each other and will then invite their peers and colleagues to attend an eye examination that they will conduct under supervision. The clinical examination will include measurements of myopia, fundus photos and scans, eye pressure, and photos of the anterior eye to analyse for UV exposure. The analyses will involve exploring any associations between data on rates of myopia and early indicators of sun exposure.

Only available to students undertaking an ophthalmology major or postgraduate study in ophthalmology.

### **Clinical Experience**

Contact Times: 4 weeks 30/07/2018 – 24/08/2018.

Clinical observation placements are currently available in the disciplines of general surgery, orthopaedic surgery and podiatric medicine.

Health screening and evidence of immunization compliance is mandatory, as is prior clinical experience.

Recommended for medical students who have commenced clinical study (ie: 5th or 6th Year MBBS or equivalent).

### **Clinical Dentistry**

Contact Times: 4 weeks 30/07/2018 – 24/08/2018.

The UWA Dental School, WA's only tertiary training centre, offers aspiring and existing dentists a range of practical and innovative graduate and postgraduate courses at the Oral Health Centre of Western Australia (OHCWA). OHCWA also provides public dental services to eligible WA citizens.

The Doctor of Dental Medicine (DMD) is a four year full-time program providing early and integrative clinical exposure. The School is fully equipped with a technical production lab consisting of CAD/CAM technologies and latest model milling machines. Our new Radiology Suite is newly equipped with Cone beam computed tomography (CBCT). There is a Virtual Learning Centre (VLC) equipped with computers for CAD/CAM, virtual microscope and CBCT dataset viewing. There are Dental haptic simulators to facilitate teaching, learning, clinical practice and research

Prospective visiting students will experience an amalgamation of traditional and digital dentistry by observing clinical activities in the areas of: Paediatric Dentistry, Orthodontics, Oral Surgery, Oral Medicine, Oral Pathology and comprehensive care. Furthermore, students will get

personal hands-on experience using the Simodont Dental Simulator and intra-oral scanners.

Only available to 4th Year Doctor of Dental Medicine students (or equivalent).

### **Microbiology, Pathology & Pharmacology Coursework**

Contact Times: 5 weeks 23/07/2018 – 24/08/2018.

The coursework program consists of a series of lectures on infectious diseases & immunology, systems pharmacology, human disease, and pathology & laboratory medicine, with optional lectures in bioethics. These lectures are selected from Units that form part of the Pharmacology and Pathology & Laboratory Medicine Majors in the undergraduate Bachelor of Science degree.

### **General Practice & Community Healthcare**

Contact Times: 5 weeks 23/07/2018 – 24/08/2018.

Observational placement with General Practice clinics in the community. Students will be able to observe doctor-patient interactions, learn about the Australian healthcare system, primary healthcare and the role of the General Practitioner.

Health screening and evidence of immunization compliance is mandatory, as is prior clinical experience.

Recommended for postgraduate-level medical students.



# Sunny Perth— your place to shine

Perth is one of Australia's best-kept secrets. Located on the southwest coast of the State of Western Australia (WA), Perth boasts some of the most magnificent coastline in the country. The city is situated along the banks of the Swan River and bordered to the west by the stunning white sandy beaches of the Indian Ocean.

## About Perth

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Perth is the state capital and largest city of Western Australia (WA) and is located on the south-west coast of Australia.

With an estimated population of 2.04 million, Perth is Australia's fourth largest city and has the perfect environment for a relaxed and healthy lifestyle, while maintaining its status as a sophisticated and modern city. The city itself is situated on the Swan River, with the white sandy beaches of the Indian Ocean to the west and the hills of the Darling Ranges to the east.

Perth has a classic Mediterranean climate with hot, dry summer months (December to February) and cool, wet winters (June to August). It is also Australia's sunniest capital, with an average of 3000 hours of sunshine per year.

## Things to do

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Perth city centre and its nearby suburbs provide a wide variety of restaurants and cafés, entertainment and cultural venues as well as excellent shopping. Perth's sunny Mediterranean climate caters to a wide variety of outdoor activities including sailing, swimming, surfing, windsurfing, scuba diving, cycling, horse riding, golf and bushwalking. The outdoor life is complemented by an exciting range of indoor venues such as theatres, clubs,

boutiques with progressive Australian fashions, and a variety of markets. Many of Perth's major attractions, historic buildings, picturesque parks, favourite shopping centers and beaches are accessible via Perth's fully integrated public transport system. Walking and cycling is also easy and enjoyable throughout Perth, with pedestrian and cycle paths adjacent to the river and coastline.

Located at the mouth of the Swan River is the vibrant harbour-side city of Fremantle. This city combines the charm of a nineteenth century port with the variety and lifestyle of a twenty-first century city. It is renowned for its well-preserved architectural heritage, including convict-built colonial- era buildings and prisons. Fremantle also offers a wide selection of cafés and restaurants and is well known for its alfresco dining culture.

Located 18km off the coast from Fremantle is Rottnest Island. Accessible by a short ferry ride from either Fremantle, Perth's Barrack Street Jetty or Hillary's Marina, the island features historic buildings and pleasant beaches, all easy to get to by bicycle (which can be hired at the ferry terminals and on the island – private or hire cars are not allowed on the island). Diving and snorkeling are popular activities at Rottnest, with many coral reefs and shipwrecks to explore.

A short distance to the east of Perth, the Swan Valley and the Perth hills form a rural landscape of orchards and vineyards, rolling bush lands and national parks ideal for bushwalking.

## Perth attractions

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- Adventure World
- Art Gallery of Western Australia
- AQWA
- Bell Tower
- Caversham Wildlife Park
- Cohunu Koala Park

- Cottesloe Beach
- Elizabeth Quay
- Fremantle Prison
- Fremantle Arts Centre
- Fremantle Markets
- Hillary's Boat Harbour
- His Majesty's Theatre
- Kings Park and Botanic Gardens
- Perth Concert Hall
- Perth Convention & Exhibition Centre
- Perth Institute of Contemporary Art (PICA)
- Perth Mint
- Perth Zoo
- Rottnest Island
- Scitech
- State Theatre Centre
- Western Australian Museum

## Contact details:

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Professor Ming Hao Zheng  
Tel: +61 8 6457 4050  
Emergency Tel: 0407 982 570  
Email: minghao.zheng@uwa.edu.au  
Office address:  
QEII Medical Centre,  
M Block, Level 2 Room 2.33  
Nedlands

Leanne Hall  
Tel: +61 8 6457 7507  
Email: leanne.hall@uwa.edu.au  
Office address:  
J. Robin Warren Library Building  
Faculty of Health & Medical Sciences  
Nedlands



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