

THE JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

# Bootes Course on Translational Medicine: The Pathway from Discovery to Healthcare



**Tuesday, 17 August—Friday, 20 August 2010**

Finkel Lecture Theatre  
The John Curtin School of Medical Research  
The Australian National University  
Canberra, ACT

In August, The John Curtin School of Medical Research (JCSMR) at The Australian National University (ANU), will host an intensive course **Translational Medicine: The Pathway from Discovery to Healthcare**.

Over four days, guest speakers will cover topics including:

- the foundations of translational medicine
- bench to bedside to clinic
- translation of new discovery into healthcare guidelines and health policy.

The course will conclude with a half day session on 'Global Health: The Last Frontier of Translational Medicine'.

Each day will include a number of presentations, a late afternoon discussion group, and conclude with a Public Lecture. A dinner will be held in the Great Hall, University House at ANU on the evening of Tuesday 17 August. A celebratory cocktail reception will take place on Thursday 19 August in the Foyer, JCSMR.

This course will preview the proposed Masters in Translational Science degree expected to run at ANU from 2011. This course will be ideally geared for those in health related industries – including staff from Government Departments and Agencies – as well as academics in the biomedical, clinical and health sciences, and would also suit current Higher Degree Research students in health related fields.



Professor Julio Licinio  
Director, The John Curtin School  
of Medical Research  
ANU College of Medicine,  
Biology & Environment

The **Bootes Course on Translational Medicine: The Pathway from Discovery to Healthcare**, is named in honour of Mr Gordon Bootes (1922-2010), friend and supporter of The John Curtin School of Medical Research, ANU.

## Session 1

Chair  
Professor Michal Schwartz  
Department of Neurobiology, Weizmann Institute of Science, Rehovot, Israel

### 9–9:45am

Professor Julio Licinio  
Director, JCSMR, ANU

#### Overview of translation and introduction to course

### 9:45–10:30am

Professor David Tremethick  
JCSMR, ANU

#### The organisation and regulation of the human genome

### 10:30–11am

#### Morning tea

### 11–11:40am

Professor Angela Dulhunty  
JCSMR, ANU

#### Potential for use of the ryanodine receptor as a therapeutic target in myopathy and heart failure and as an insecticide

### 11:40–12:15pm

Dr Dianne Webb  
JCSMR, ANU

#### The role of gender in the investigation of a novel asthma therapeutic

### 12:15–1.15pm

#### Lunch

## Session 2

Chair  
Professor Ma–Li Wong  
JCSMR, ANU

### 1:15–2pm

Professor Greg Stuart  
JCSMR, ANU

#### The mechanics of memory

### 2–2:30pm

Associate Professor Guna Karupiah  
JCSMR, ANU

#### Antiviral immunity: From basic research in animal models to human health

### 2:30–3pm

#### Afternoon tea

### 3–3:45pm

Professor Philip Board  
JCSMR, ANU

#### Polymorphisms in drug metabolising enzymes: Are they significant?

### 3:45–4:15pm

Professor Adrian Llerena  
University of Extremadura, Spain

#### Pharmacogenomics of drug metabolising enzymes across continents

### 4:15–4:45pm

#### Discussion Panel

Chair  
Professor Trevor Lamb  
JCSMR, ANU

### 5–6pm

#### Public Lecture

Chair  
Emeritus Professor Samuel Gershon  
Department of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, US

Professor Bernard Lerer  
Biological Psychiatry Laboratory, Hadassah–  
Hebrew University Medical Centre, Jerusalem, Israel

#### Pharmacogenetics of antipsychotic drug treatment: From man to mouse to clinical diagnosis



### 7pm

Dinner – The Great Hall, University House, ANU

## Wednesday August 18

### From the Bench to the Clinic

## Session 1

Chair  
Dr Gilberto Paz–Filho  
JCSMR, ANU

### 9–9:30am

Professor Paolo Paolucci  
University of Modena, Italy

#### Cell therapies in paediatric oncology: from haemopoietic stem cells to engineered killer cells

### 9:30–10am

Professor Ted Maddess  
Research School of Biology, ANU

#### Lessons on commercialising your research

### 10–10:30am

Professor Jan Provis  
Australia Research Council Centre of Excellence in Vision, ANU

#### The Macula: A unique region of the retina, with a distinctive gene profile, and a discriminating disease

### 10:30–11am

#### Morning tea

### 11–11:40am

Professor Michael Ibbotson  
Research School of Biology, ANU

#### Developing a bionic eye: From bench to device

### 11:40am–12:15pm

Professor Ian Ramshaw  
JCSMR, ANU

#### The pitfalls and lessons learned on the road to an HIV vaccine

### 12:15–1:15pm

#### Lunch

## Session 2

Chair

Professor Philip Board  
JCSMR, ANU

**1:15–2pm**

Dr Matthew Cook  
JCSMR, ANU and The Canberra Hospital, Canberra, ACT

**From mice to humans (and back) in understanding immune disease**

**2–2:45pm**

Dr Mauricio Arcos–Burgos  
National Human Genome Research Institute, NIH, MD, US

**A common variant of the latrophilin 3 gene, LPHN3, confers susceptibility to ADHD and predicts effectiveness of stimulant medication**

**2:45–3:15pm**

Afternoon tea

**3:15–4pm**

Professor Michal Schwartz  
Department of Neurobiology, Weizmann Institute of Science, Rehovot Israel

**Novel immune–based therapies for mental dysfunction and neurodegenerative condition**

**4–4:45pm**

Discussion Panel

Chair

Professor Simon Eastaer  
JCSMR, ANU

**5–6pm**

Public Lecture

Chair

Dr Claudio Mastronardi  
JCSMR, ANU

Professor Christopher Parish  
JCSMR, ANU

**Emerging cancer therapies**



**Thursday August 19**

**From Clinical Research to Clinical Care: Outcomes of translational research on healthcare practice, guidelines and policy**

## Session 1

Chair

Mr Bob Wells

**9–9:40am**

Professor Paul Gatenby  
ANU Medical School, ANU

**Translational medicine: How do we get it to work?**

**9:40–10:20am**

Dr Narci Teoh  
ANU Medical School, ANU

**Protecting the liver against ischemia reperfusion injury – from bedside to bench, and back again**

**10:20–11:50am**

Morning tea

**10:50–11:30am**

Professor Nicholas Glasgow  
ANU Medical School, ANU

**Achieving better health outcomes – the importance of research, education and clinical service functions being closely intertwined**

**11:30am–12:10pm**

Associate Professor Paul Dugdale  
Centre for Health Stewardship, ANU

**Styles of scientific practice in health services research, health system design and public policy making**

**12:10–1.20pm**

Lunch

## Session 2

Chair

To be confirmed

**1:20–2pm**

Dr Geoff Farrell  
ANU Medical School, ANU

**From research to clinical guidelines: Prevention of liver cancer**

**2–2:40pm**

Professor Niels Becker  
National Centre for Epidemiology and Population Health, ANU

**Modeling: The catwalk from intervention analysis to health policy**

**2:40–3:15pm**

Afternoon tea

**3:15–4pm**

Professor Emily Banks  
National Centre for Epidemiology and Population Health, ANU

**Maximising the impact of research on policy and practice: case studies from epidemiology**

**4–4:45pm**

Discussion Panel

Chair

Mr Robert Wells  
Australian Primary Health Care Research Institute, ANU

**5–6pm**

Public Lecture

Chair

Professor Julio Licinio  
JCSMR, ANU

Dr Rohan Hammett  
National Manager, Therapeutic Goods Administration, Canberra, ACT

**Examining the risk – benefits equation: Challenges for researchers, clinicians, policy makers and regulators**



**6–7pm**

**Cocktail Reception – The Foyer, The John Curtin School of Medical Research, ANU**

**Friday August 20**  
**Global Health: The Last Frontier of Translational Medicine**

**Session 1**

**Chair**

Professor Ana Franchi  
Director, Centre for Pharmacological and Botanical Studies, National Research Council, School of Medicine, University of Buenos Aires, Buenos Aires City, Argentina

**9–9:45am**

Associate Professor Sharon Friel  
National Centre for Epidemiology and Population Health, ANU

**Global health – the underlying drivers of health inequities between countries**

**9:45–10:30am**

Associate Professor David Harley  
ANU Medical School and National Centre for Epidemiology and Population Health, ANU

**The epidemiological transition and translational medicine**

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**10:30–11am**

**Morning tea**

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**11–11.45am**

Professor Terence Hull  
Australian Demographic and Social Research Institute,  
ANU College of Arts and Social Sciences

**Reproductive Health in Indonesia: Lost in three translations – culture, language and data**

**11:45 –12pm**

Professor Julio Licinio  
JCSMR, ANU

**Summary and Conclusion**

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**12–1pm**

**Lunch**

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**1pm**

**Course concludes**

# Bootes Course on Translational Medicine: The Pathway from Discovery to Healthcare

Tuesday 17 August  
Friday 20 August 2010

## REGISTRATION FORM / TAX INVOICE

ANU ABN 52 234 063 906

Please complete a separate registration form for each person attending  
This registration form constitutes a tax invoice upon payment

Title: (please circle one)  Mr  Mrs  Ms  Dr  Professor  Other

Name:

T:

E:

Department / Institution / Company:

Postal Address:

City:

State:

Postcode:

### Cost Schedule:

Full Registration – \$450.00\*

Current Student Registration – \$185.00\*

\*Registration fees are in Australian dollars, include GST, and include:

Course attendance, morning and afternoon teas, four lunches, and cocktail reception on Thursday 19 August

### Optional: Dinner

The Great Hall, University House, ACTON, ACT

7pm Tuesday 17 August

Full – \$85.00

Current student – \$35.00

(if attending dinner, please advise of any dietary requirements)

### Payment Details:

Full Registration \$450.00

Dinner (            number of guests at \$85.00)

Student Registration \$185.00

Dinner (            number of guests at \$35.00)

Dietary requirements:

On line registration at <http://jcsmr.anu.edu.au/conferences/bootes/rego.php>  
or please complete the following:

I will send a cheque/money order (payable to The Australian National University)

or

Please arrange Journal Transfer from the following ANU account:

Account name:

Account number:

or

### Please charge my credit card:

CREDIT CARD  VISA  MASTERCARD

Name (as appears on card):

Card Number: \_\_\_\_\_ Expiry Date: \_\_/\_\_/\_\_

Cardholder's Signature:

Please note: Full refunds will only be granted until close of business Wednesday 11 August 2010.

Please fax or email your completed form to:

F: +61 2 6125 2337 (international)

F: 02 6125 2337 (within Australia)

or

E: [madeleine.nicol@anu.edu.au](mailto:madeleine.nicol@anu.edu.au)

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