Funding for International Collaborations in Medical Research

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Introduction

Why collaborate?

Current funding environment

UWA’s current international collaborations and funding in the Medical and Health Sciences

Funding opportunities for international collaboration
Why Collaborate?

International collaboration and publication impact

![Bar chart showing citations per article by number of collaborating countries in 2000 and 2008.](chart.png)
Commonwealth Investment in R&D

Commonwealth Investment in R&D 2014–15

Source: Budget 2014–2015 Industry and Innovation tables

From: Funding Opportunities for International Researchers 12 February 2015, Dr Fiona Cameron Executive Director, ARC
How does Australia Compare?

WORLD OF R&D 2013

Size of circle reflects the relative amount of annual R&D spending by the indicated country.

Source: Battelle, R&D Magazine, International Monetary Fund, World Bank, CIA Fact Book, OECD
Universities Collaborating with UWA in the Medical and Health Sciences

Number of Co-Authored Publications With International Institutions

- University of London: 600 publications
- University of Toronto: 400 publications
- Harvard University: 300 publications
- University College London: 200 publications
- University of Oxford: 100 publications
- Centre National de la Recherche Scientifique (CNRS): 80 publications
- University of California System: 70 publications
- University of Cambridge: 50 publications
- University of Edinburgh: 40 publications
- Imperial College London: 30 publications
- Kings College London: 20 publications

Number of co-authored publications ranges from 600 to 20 publications.
Major International MHS Funding Sources for Australia (US$M)

- CIHR: $2.8
- Other Europe: $2.7
- Other USA: $5.4
- US NIH: $177.3
- Wellcome Trust: $29.4
- Worldwide Cancer Research: $12.4

Data drawn from Symplectic Dimensions courtesy of University of Auckland for demonstration purposes.
Income (USD, Millions) from medical and health research projects active at least one year in the last 10.

Data drawn from Symplectic Dimensions courtesy of University of Auckland for demonstration purposes. Snapshot as at 27/8/15.
Support for International Collaboration: UWA

Research Collaboration Awards

**Goal:** To facilitate collaborations that will develop cross institutional ties and lead to international research alliances.
Support for International Collaboration: WUN

**Research Development Fund**

- Grants up to £15,000 to foster partnerships under Global Challenges
- 2015 Round now open

**Global Challenge: Public Health (NCD) Focus 2015-2016:**

- Lifecourse approach to healthy ageing
- Health of migrants across the lifecourse
- Resilience of adolescents and health workers in different cultural contexts
- Schools as a setting for reducing risk factors associated with NCDs

WUN Contact: Judith Berman, Principal Adviser, International Research Networks and Mobility
Commonwealth support for International Collaboration: NHMRC

• **Centres of Research Excellence**
  - Improving Health services for Aboriginal and Torres Strait Islander Children (University of London)
  - Improving the Lives of Young People with Type 1 Diabetes using State of the Art Therapies (Yale University)

• **NHMRC - EU Collaborative Research Grants**
  - Linked to European Commission’s Horizon 2020 Health, Demographic Change and Wellbeing calls.
Commonwealth Support for International Collaboration: ARC

International Collaboration on ARC Funded Projects, 2009–2014

*Outcomes for 2014 are not complete and do not include funding for Future Fellowships, Australian Laureate Fellowships, Linkage Projects.

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Commonwealth Support for International Collaboration: ARC


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Department of Industry and Science

- Australia-China Science and Research Fund
- Australia-India Strategic Research Fund
- Connecting Australian-European Science and Innovation Excellence (CAESIE)

Department of Foreign Affairs and Trade

- International Relations Grants Program
  - China, India, Indonesia, Japan, Korea, Latin America, Middle East, ASEAN
International Funding Opportunities

• EC/Marie Sklodowska-Curie Actions

• Wellcome Trust Collaborative Awards in Science

• Bill and Melina Gates Foundation
B&MG Foundation Funding Areas

Aim:
Catalytic Change

Approach:
Collaboration
Innovation
Risk Taking
Results

2013 Funding Areas
For the Year ended December 31, 2013
Amounts in thousands of U.S. dollars

- Global Health $1,088,000
- Non-Program Areas $52,000
- Strategic Media Partnerships $35,000
- Global Policy & Advocacy $171,000
- United States Program $510,000
- Global Development $1,779,000
Global Health Program Spending by Category

GLOBAL HEALTH

1,088,000**

- HIV/AIDS: 21%
- Malaria: 17%
- Tuberculosis: 14%
- Enteric and Diarrheal Diseases: 10%
- Neglected Infectious Diseases: 10%
- Pneumonia: 10%
- Discovery Cross-cutting: 8%
- Integrated Development: 4%
- Strategy Planning & Management: 2%
- Vaccine Development: 2%
- Life Sciences Partnerships: 1%
- Special Initiatives: 1%

*Amount does not include advocacy and policy spending specific to individual strategies.
**Numbers include grants and direct charitable expenses (DCE), but do not include PRIs.

Distribution of Grand Challenges Explorations Grants

http://gcgh.grandchallenges.org/Pages/GrantsMap.aspx
Grand Challenges: Round Closed

Grand Challenges Explorations – Round Closed

- **Addressing Newborn and Infant Gut Health Through Bacteriophage-Mediated Microbiome Engineering**

- **Surveillance Tools, Diagnostics and an Artificial Diet to Support New Approaches to Vector Control**

- **New Approaches for Addressing Outdoor/Residual Malaria Transmission**

- **New Ways to Reduce Childhood Pneumonia Deaths Through Delivery of Timely Effective Treatment**
Money Flows to Emerging Economies

A Wealth of Opportunity?

Source: Total 2013 Money Flow (USD) is representative of award $ from the following Funders: CDC, NIH, Wellcome Trust, Gates Explorations, Canadian Institutes of Health Research (CIHR)

Parting Words

Further develop relationships with current collaborators and funders

Look for new opportunities and markets

http://www.rdi.uwa.edu.au/