Dual/Joint Degree Programs and Internationalization of Higher Education – The Macquarie experience

The 2nd Seminar on Internationalization of Higher Education (IHES2)

Professor Lorne Cummings
Associate Dean – Higher Degree Research
Faculty of Business and Economics

Sharif University, Tehran, Iran, December 2018
Structure of Presentation

- Exchange, Internships and Joint PhD Partnerships
- Importance of Establishing Research Goals
- Schimago Rankings
- Australia’s Research and Research Training System
  - Benchmarking through ERA and Impact
- International Research Training Partnerships Framework
- University Level Partnerships
  - Cotutelle/Joint PhD programs
  - Trilateral relationships (DAAD)
- Key lessons for partnerships
Exchange, Internships, and Joint PhD Partnerships

- Bilateral exchange agreements with >150 universities in over 40 countries
- Over 500 programs mapped in 2016
- Member of two global networks (Australian-European Network and International Student Exchange Program)
- >250 cotutelle/joint PhD programs with universities in over 30 countries
- MQ ranked #49 most international university in the world (THE, 2016)
Importance of Establishing Research Goals

1. Develop a strong and vibrant Faculty/School research culture
2. Recruit and retain high performing research staff & further develop their research capacity and research leadership
3. Increase the quality and quantity of research publications
4. Increase external funding income
5. Attract and retain high quality local and international HDR students in areas of current and emerging strength
6. Advance disciplinary and multi-disciplinary problem-focused and solution-focused research.
7. Foster synergistic end user partnerships
8. Enhance scholarly research collaborations, networks and consortia locally, nationally and internationally
9. Streamline and improve research facilities and staff support services
<table>
<thead>
<tr>
<th>Country</th>
<th>Documents</th>
<th>Citable documents</th>
<th>Citations</th>
<th>Self-Citations</th>
<th>Citations per Document</th>
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<td>1,526,423</td>
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<td>0.424</td>
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<td>477,442</td>
<td>4,790,230</td>
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<td>901,545</td>
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<td>2,938,841</td>
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<td>9,79</td>
<td>0.266</td>
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<td>Belgium</td>
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<td>348,017</td>
<td>6,691,791</td>
<td>948,874</td>
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<td>Iran</td>
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<td>1,504,541</td>
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<td>255,026</td>
<td>5,079,652</td>
<td>694,959</td>
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<td>Austria</td>
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<td>250,181</td>
<td>4,334,382</td>
<td>583,299</td>
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<td>245,115</td>
<td>5,494,671</td>
<td>779,833</td>
<td>24,94</td>
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<tr>
<td>Finland</td>
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<td>223,366</td>
<td>4,959,721</td>
<td>666,892</td>
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<td>Greece</td>
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<td>212,014</td>
<td>2,702,414</td>
<td>444,424</td>
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<td>Czech Republic</td>
<td>213,209</td>
<td>206,738</td>
<td>1,867,611</td>
<td>440,161</td>
<td>10,74</td>
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<tr>
<td>Mexico</td>
<td>210,387</td>
<td>201,540</td>
<td>1,962,572</td>
<td>408,914</td>
<td>11,69</td>
<td>0.289</td>
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<tr>
<td>Norway</td>
<td>200,580</td>
<td>199,421</td>
<td>2,951,215</td>
<td>393,784</td>
<td>16,87</td>
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<td>Singapore</td>
<td>192,942</td>
<td>182,169</td>
<td>2,661,645</td>
<td>331,822</td>
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<td>Portugal</td>
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<td>179,134</td>
<td>2,096,242</td>
<td>407,892</td>
<td>15,17</td>
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<td>South Africa</td>
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<td>154,857</td>
<td>1,774,278</td>
<td>386,014</td>
<td>13,41</td>
<td>0.292</td>
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<tr>
<td>New Zealand</td>
<td>163,559</td>
<td>149,301</td>
<td>2,495,935</td>
<td>380,280</td>
<td>18,32</td>
<td>0.351</td>
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<tr>
<td>Malaysia</td>
<td>153,378</td>
<td>148,684</td>
<td>670,387</td>
<td>388,014</td>
<td>9,41</td>
<td>0.165</td>
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<tr>
<td>Argentina</td>
<td>145,416</td>
<td>138,788</td>
<td>1,681,700</td>
<td>354,132</td>
<td>13,49</td>
<td>0.273</td>
</tr>
</tbody>
</table>
Australia Research and Research Training System
Australian R & RT System in 2017-18

- CRCs: 1.51%
- Other Health: 0.60%
- Higher Education R&D: 0.44%
- Energy and the Environment: 3.73%
- Other R&D: 2.10%
- CSIRO: 7.72%
- DSTO: 4.44%
- ARC: 8.13%
- NHMRC: 8.70%
- Australian Government R&D: 6.42%
- Industry R&D Tax Measures: 29.89%
- Business Innovation: 2.65%
- Block Funding: 20.54%

Approx. AU$9.7 Billion in total
ERA Ratings for Macquarie

2015 ERA ratings
Well above world standard
• Physical Sciences
• Environmental Sciences
• Agricultural and Veterinary Sciences

Above world standard
• Biological Sciences
• Earth Sciences
• Mathematical Sciences
• Medical and Health Sciences
• History and Archaeology
• Language, Communication and Culture
• Law and Legal Studies
• Philosophy and Religious Studies
• Psychology and Cognitive Sciences

2015 ERA ratings
At world standard
• Chemical Sciences
• Engineering
• Information and Computing Sciences
• Education
• Economics
• Commerce, Management, Tourism and Services
• Built Environment and Design
• Studies in Human Society
• Studies in Creative Arts and Writing

Overall rating
100% at world standard and above
Engagement and Impact Assessment

Ten Principles

- Robust and objective
- Internationally recognised
- Comparability across disciplines
- Not disincentivise interdisciplinary and multidisciplinary research
- Research relevant
- Repeatable and verifiable
- Time-bound
- Transparent
- Behavioural
- Adaptable
Australia’s first and only private, not-for-profit hospital on a university campus
a campus in one of the largest business and technology precincts in the southern hemisphere, creating a hub of innovation and excellence
a 126-hectare park-like campus protected by our award-winning sustainability practices
awarded five stars in the prestigious QS Stars rating system for high performance in areas such as teaching, research, graduate employability and facilities

<table>
<thead>
<tr>
<th>Degrees awarded</th>
<th>Student enrolments</th>
<th>Staff</th>
<th>Alumni</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Total - 5118</td>
<td>Full-time students - 27,795</td>
<td>Academic staff - 1525</td>
<td>Total - 164,000</td>
</tr>
<tr>
<td>Postgraduate Total - 4163</td>
<td>Part-time students - 12,414</td>
<td>Professional staff - 1674</td>
<td></td>
</tr>
<tr>
<td><strong>Total - 9281</strong></td>
<td>Domestic students - 31,568</td>
<td></td>
<td><strong>Total - 3199</strong></td>
</tr>
<tr>
<td></td>
<td>International students - 8,641</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total students - 40,209</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Research rankings and publications**

- 100 per cent of our research activity is regarded by the Australian Government as being of world standard or higher
- a world leader in environmental sciences, physical sciences, and agricultural and veterinary sciences (rating 5 out of 5 in the 2015 Federal Government’s Excellence in Research for Australia initiative)
- 135 Macquarie researchers are ranked in the top one per cent of researchers in the world
- sixth in Australia for international research publication collaborations
126 hectares of green parkland
AUSTRALIAN HEARING HUB

Clinical Education

Research Innovation

Industry Partners

Serving Australia and the world
Macquarie’s structures

- Faculty of Science and Engineering
- Faculty of Arts
- Faculty of Human Sciences
- Faculty of Business and Economics
- Faculty of Medicine & Health Sciences
- Macquarie Graduate School of Management
International Research Training Partnerships Framework
World-Leading Research
World-Changing Impact
STRATEGIC RESEARCH FRAMEWORK: 2015–2024
# Macquarie’s Strategic Context

## AN ACCELERATING AND IMPACTFUL PERFORMANCE IN DISCOVERY

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>• <strong>Top-performing staff</strong>: Increase the number and proportion of research-productive staff</td>
<td>• <strong>Attracting quality candidates</strong>: Attract high-potential higher degree research candidates</td>
<td>• <strong>Strategic engagement</strong>: Pursue local, national and international partnerships to complement and enhance areas of current and emerging research strength</td>
<td>• <strong>Discovery for innovation</strong>: Strengthen basic research capability to drive discovery and underpin innovation</td>
</tr>
<tr>
<td>• <strong>World-leading research concentrations</strong>: Build on disciplinary areas of current and emerging research strength and enhance cross disciplinary capability</td>
<td>• <strong>Inspirational supervision</strong>: Provide outstanding supervisory expertise and mentoring</td>
<td>• <strong>Deep and authentic collaborations</strong>: Build mutually beneficial, long-term engagement with institutional, national and international colleagues</td>
<td>• <strong>Cross-disciplinary inquiry</strong>: Optimise the opportunities for inquiry across disciplines and structures</td>
</tr>
<tr>
<td>• <strong>Growing research investment</strong>: Accelerate growth of external research income to facilitate world-leading research</td>
<td>• <strong>Transformative research environment</strong>: Embed higher degree research candidates in areas of current and emerging strength</td>
<td>• <strong>Synergistic end user partnerships</strong>: Pursue shared goals with end users to maximise delivery of solutions and return on investment</td>
<td>• <strong>Diversity of impact</strong>: Foster an environment that facilitates and values diverse forms of knowledge creation, application, and creative practice to benefit society</td>
</tr>
<tr>
<td>• <strong>Pervasive best practice</strong>: Continuously improve policies, processes and systems that support the pursuit of excellence and integrity in research and scholarship</td>
<td>• <strong>Real-world engagement</strong>: Provide opportunities for career enhancing exposure to industry and the community</td>
<td>• <strong>Streamlined support</strong>: Practice efficient and effective facilitation of research collaborations</td>
<td>• <strong>Challenge-focused research</strong>: Conduct research that addresses national and global challenges and delivers significant benefits</td>
</tr>
<tr>
<td>• <strong>Leading-edge infrastructure</strong>: Secure world-leading research infrastructure, facilities and equipment</td>
<td>• <strong>Global champions</strong>: Provide internationally-aligned degrees with global relevance</td>
<td>• <strong>World-class support</strong>: Provide personally-enriching experiences and enabling facilities, policies and processes</td>
<td>• <strong>Synergistic end user partnerships</strong>: Pursue shared goals with end users to maximise delivery of solutions and return on investment</td>
</tr>
</tbody>
</table>
The key priorities

FOLLOW THE LEADER

- Develop, maintain and partner with leading international research training programs to ensure outstanding experiences.
- Attract, develop and retain international HDR candidates of the highest quality.
- Expand the quality and number of funding sources to support international research training.
- Develop, secure and maintain international research training partnerships with world-leading research Institutions.

Quality HDR Programs & Experiences

Quality HDR Candidates

Quality Funding Sources

Quality Institutional Partners
International research training partnerships

290 CANDIDATES AT 110 UNIVERSITIES IN 30 COUNTRIES*

* Since 1999
Cotutelle & Joint PhD
A program delivering Key Research Objectives
## Background, context and key foundations

**INTERNATIONAL RESEARCH TRAINING PARTNERSHIPS - BASELINE (2016)**

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<th><strong>Number</strong></th>
<th><strong>Description</strong></th>
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<tr>
<td>290</td>
<td>Cotutelle and joint PhD candidates*</td>
</tr>
<tr>
<td>113</td>
<td>Cotutelle and joint PhD collaborating partners*</td>
</tr>
<tr>
<td>30</td>
<td>Countries involved in cotutelle and joint PhD arrangements*</td>
</tr>
<tr>
<td>164</td>
<td>Cotutelle candidate completions*</td>
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<tr>
<td>75</td>
<td><em>Priority partners in 21 countries (and 68 preferred partners)</em></td>
</tr>
<tr>
<td>3</td>
<td>Regional partnership tiers – strategic, developing and emerging</td>
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<tr>
<td>25</td>
<td>Disciplines involved in current programs</td>
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<tr>
<td>41</td>
<td>Universities with Academic Senate approval for joint PhDs</td>
</tr>
<tr>
<td>112</td>
<td>Current cotutelle and joint PhD candidate enrolments</td>
</tr>
<tr>
<td>69</td>
<td>Percent of current candidates with European universities</td>
</tr>
<tr>
<td>20</td>
<td>Percent of current candidates with Chinese universities</td>
</tr>
<tr>
<td>10</td>
<td>MRes exchange partners established (a path to cotutelle/joint PhD)</td>
</tr>
<tr>
<td>2</td>
<td>Strategic tri-lateral partnership: MQ-FU-HAM JLU-MQ-JLU</td>
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<tr>
<td>1</td>
<td>Australian university participating in IDEALAB joint PhD</td>
</tr>
<tr>
<td>15</td>
<td>Joint funding agreements with key international funding agencies</td>
</tr>
<tr>
<td>35</td>
<td>IDEALAB PhD candidates (including 30 current enrolments)</td>
</tr>
</tbody>
</table>

* Since 1999
## Cotutelle and Joint PhD

### Head to head

<table>
<thead>
<tr>
<th>Cotutelle</th>
<th>Joint PhD</th>
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<tbody>
<tr>
<td>Joint enrolment at MQ and an overseas university</td>
<td>Joint enrolment at MQ and an overseas university</td>
</tr>
<tr>
<td>Priority institutional partners – but open to all universities subject to approval</td>
<td>Institutional partners require Academic Senate Approval</td>
</tr>
<tr>
<td>Institutional memorandum of understanding (MOU) not compulsory</td>
<td>Institutional MOU/agreement required</td>
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<tr>
<td>Separate progress assessments</td>
<td>One university is designated as the lead</td>
</tr>
<tr>
<td>Single thesis submitted to both universities</td>
<td>Single thesis submitted to the lead university</td>
</tr>
<tr>
<td>Separate examination</td>
<td>Joint examination</td>
</tr>
<tr>
<td>Two testamurs</td>
<td>One joint testamur</td>
</tr>
<tr>
<td>Two graduation ceremonies</td>
<td>One graduation ceremony</td>
</tr>
</tbody>
</table>
## Why do we do it?

Establishing deep and continuing relationships

<table>
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<tr>
<th>Institutions</th>
<th>Candidate</th>
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</thead>
<tbody>
<tr>
<td>Deepens and strengthens research collaborations and networks at an institutional level</td>
<td>Exposure to different academic environments through joint enrolment and supervision</td>
</tr>
<tr>
<td>Fosters a higher level of cooperation between researchers in their respective fields through co-supervision</td>
<td>Training experiences and access to the latest research equipment and technologies at two institutions</td>
</tr>
<tr>
<td>Provides access to new funding schemes as well as new international enrolments</td>
<td>International networking opportunities that will expand future employment opportunities through exposure to new academic institutions and new industries</td>
</tr>
<tr>
<td>Provides an opportunity to increase joint publications, citation rate and rankings</td>
<td>Access to new funding schemes</td>
</tr>
<tr>
<td>Make the institution more attractive to potential candidates</td>
<td>Experience a new culture and environment and develop soft skills</td>
</tr>
</tbody>
</table>
International Doctorate for Experimental Approaches to Language and Brain

Group photo taken at the Rovereto winter school (2015 Feb)

The Erasmus Mundus PhD Program International Doctorate for Experimental Approaches to Language And Brain offers an outstanding interdisciplinary, laboratory-based 3-year doctoral training to its candidates to study structure, processing and foundations of the most fundamental cognitive abilities.
The German Academic Exchange Service (DAAD) with the support and funding from the German Federal Ministry for Education and Research (BMBF) has in 2012 launched the "Strategic Partnerships and Thematic Networks" program, which encourages more intensive partnerships at the university level, in contrast to a department-level managed partnership.
Trilaterial relationships

- Existing - Hamburg, Fudan, Macquarie
- New - Jilin, Macquarie, Justus Liebig Giessen.
What is the Strategic Partnerships Programme?

A funding programme by the DAAD (German Academic Exchange Service) that:

- Supports partnerships that include one or more subject areas and/or comprise different levels/scopes of cooperation
- Encourages more intense partnerships at university/institutional level
- Aims to improve overall quality of research & teaching and strengthen interdisciplinary cooperation
- Focuses on deepening one or select partnerships (max. five per application) with funding excluding already existing consortia partnerships (e.g. Universitas 21, LERU, etc.)
- Provides funding to initiate and expand additional programmes with the partner university/universities and to promote staff (teaching) exchange, establish joint degree programmes and PhD programmes and for joint research projects.
Institutional Background

- Long-standing cotutelle and joint-PhD partnership with both Hamburg University and Fudan University individually
- January 2012 participation of both partners at Macquarie cotutelle and joint-PhD management workshop and agreement to formalise trilateral partnerships
- November 2012 first funding proposal submitted to DAAD strategic partnerships funding scheme (unsuccessful, but invited to resubmit as only unsuccessful proposal)
- May 2014: matchmaking workshop for the three partners hosted by Hamburg University in Germany
- Total participating staff from all three partners: 80 (14 Fudan, 20 Macquarie, 55 Hamburg)
- Resubmission November 2014 (successful) – Macquarie only Australian university successful in the strategic partnerships stream.
Hamburg, Fudan, Macquarie
Funded Projects

1. China in Europe, Europe in China. Past and Present
2. Chemistry for Energy Materials
3. Establishment of Joint Doctoral Degrees in Biology
4. Master of International Business and Sustainability (MIBAS)
5. Internationalization of the Humanities
6. Film as an Intercultural Facilitator of Knowledge
7. Transnational Media Histories
8. Cancer Proteomics
9. Modernisms and Modernities East, West and South: Comparing Literary and Cultural Experiences
10. Sustainable Energy Landscapes and Climate Transformation of Urban Systems
11. New Directions in International Political Theory
12. Corporate Governance, Integrated Reporting and Risk Management
MACQUARIE UNIVERSITY
SYDNEY, AUSTRALIA

by authority of the Council

EVA ELIZABETH

was admitted to the degree of:

DOCTOR OF PHILOSOPHY

on the twenty-fourth day of May 2009

This degree was jointly awarded with Université Paris 11, France under a Mundus joint PhD Agreement

[Signatures]

Example of Cotutelle Testamur
Example of Joint PhD Testamur
Example of EU Joint PhD Testamur
Cotutelle Partners

Priority 1

**China**
- Beijing University of Posts and Telecommunications
- Chinese Academy of Sciences
- Chinese Academy of Social Sciences
- China University of Geosciences, Beijing
- China University of Geosciences, Wuhan
- East China Normal University
- Fudan University
- Jilin University
- Nanjing University
- Peking University
- Renmin University of China
- Shandong University
- Shanghai Jiaotong University
- Sichuan University
- Tsinghua University
- Wuhan University
- Zhejiang University

**Denmark**
- Aarhus University

**Croatia**
- University of Zagreb

**France**
- University of Jean Monnet
- University of Lyon (including Lyon 1, 2, 3 and St. Etienne)
- University of Montpellier 2
- University of Paris-Sud 11
- University of Strasbourg
- University of Toulouse
- Pierre and Marie Curie University
- University Paris Descartes (V)

**Germany**
- Goethe-Universitat Frankfurt
- Heidelberg University
- Justus Liebig University Giessen
- LMU Munich
- University of Goettingen

**Italy**
- University of Trento

**Norway**
- Norwegian University of Science and Technology

**Sweden**
- Lund University
- Stockholm University
- Uppsala University

**United Kingdom**
- Heriot-Watt University
- University of Edinburgh
- University of Glasgow
- University of St Andrews
- University of Strathclyde

**University of Copenhagen**
- University of Hamburg
- University of Leipzig
- University of Potsdam

**University of Copenhagen**
## Cotutelle Partners

### Priority 2

<table>
<thead>
<tr>
<th>Country</th>
<th>Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Argentina</strong></td>
<td>University of Buenos Aires</td>
</tr>
<tr>
<td><strong>Austria</strong></td>
<td>University of Vienna</td>
</tr>
<tr>
<td><strong>Brazil</strong></td>
<td>Federal University of Santa Catarina, Universidade de Sao Paulo</td>
</tr>
<tr>
<td><strong>Chile</strong></td>
<td>Universidad de Santiago de Chile</td>
</tr>
<tr>
<td><strong>China</strong></td>
<td>Beijing Language and Culture University, Beijing Foreign Studies University, Central South University, Central University of Finance and Economics, China University of Petroleum, China Agricultural University, Communication University of China, Nankai University, Shanghai University, Sun Yat Sen (Zhongshan) University, University of Science and Technology of China, Xidian University</td>
</tr>
<tr>
<td><strong>Finland</strong></td>
<td>University of Lapland</td>
</tr>
<tr>
<td><strong>France</strong></td>
<td>University of Nantes</td>
</tr>
<tr>
<td><strong>Germany</strong></td>
<td>Friedrich-Alexander-University, Erlangen-Nuremberg, RWTH Aachen University, Ruhr University Bochum, Technische Universitat Braunschweig, University of Erfurt, University of Ulm</td>
</tr>
<tr>
<td><strong>Iran</strong></td>
<td>Tehran University of Medical Sciences, Royan Institute, Agriculture Biotechnology of Research Institute of Iran, Sharif University of Technology</td>
</tr>
<tr>
<td><strong>Italy</strong></td>
<td>La Sapienza University of Rome, University of Bologna, University of Florence, University of Milan</td>
</tr>
<tr>
<td><strong>Malaysia</strong></td>
<td>University of Malaya, Universiti Sains Malaysia</td>
</tr>
<tr>
<td><strong>Mexico</strong></td>
<td>National Autonomous University of Mexico</td>
</tr>
<tr>
<td><strong>Netherlands</strong></td>
<td>University of Amsterdam, VU University Amsterdam</td>
</tr>
<tr>
<td><strong>Russia</strong></td>
<td>Russian Academy of Sciences, Moscow State University, St Petersburg State University, Tomsk State University</td>
</tr>
<tr>
<td><strong>Spain</strong></td>
<td>Complutense University of Madrid, University of Barcelona</td>
</tr>
<tr>
<td><strong>Thailand</strong></td>
<td>Chulalongkorn University, Chiang Mai University, Kasetsart University, King Mongkut's University of Technology Thonburi, Mahidol University, Thammasat University</td>
</tr>
<tr>
<td><strong>United Kingdom</strong></td>
<td>Bristol University, University of Dundee, University of Durham, University of Sheffield</td>
</tr>
<tr>
<td><strong>United States of America</strong></td>
<td>University of Minnesota - Twin Cities (Biology), University of Missouri - St Louis (Biology)</td>
</tr>
</tbody>
</table>
### Joint PhD Partners

<table>
<thead>
<tr>
<th>Country</th>
<th>Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Denmark</strong></td>
<td>Aarhus University</td>
</tr>
<tr>
<td><strong>Finland</strong></td>
<td>University of Helsinki</td>
</tr>
</tbody>
</table>
| **France** | École Normale Supérieure de Lyon  
        Université de Lyon  
        (including St Étienne)  
        Université de Toulouse  
        Université Montpellier  
        Université de Strasbourg |
| **Germany** | Goethe University Frankfurt  
        Heidelberg University  
        Hamburg University(*)  
        Leipzig University  
        Goettingen University  
        LMU Munich University  
        Ruhr-University Bochum  
        University of Potsdam(*) |
| **Italy** | University of Trento(*) |
| **Netherlands** | University of Amsterdam  
        Free University of Amsterdam  
        University of Utrecht  
        Erasmus University Rotterdam  
        University of Groningen(*)  
        Radboud University Nijmegen |
| **Norway** | University of Bergen |
| **Spain** | Universidad Autónoma de Madrid |
| **Sweden** | Lund University |
| **Canada** | University of Toronto |
| **United Kingdom** | Cardiff University  
        Lancaster University  
        Heriot-Watt University(*)  
        Imperial College London  
        University of Bristol  
        University of Dundee(*)  
        University of Durham  
        University of Edinburgh(*)  
        University of Exeter  
        University of Glasgow(*)  
        University of Manchester  
        University of Newcastle(*)  
        University of Nottingham  
        University of Sheffield  
        University of St Andrews(*)  
        University of Strathclyde(*)  
        University of York |
Faculty PhD Cotutelle - current/past student enrolments
Faculty PhD Cotutelle - current/past student enrolments
Scholarships
Cotutelle & Joint PhD

Scholarships

**Cotutelle Macquarie University Research Excellence Scholarship (iMQRTP)**

- Return airfare from Australia-Iran
- Tuition fees at MQ for up to 36 months
- Stipend on MQ campus at the RTP rate
Cotutelle & Joint PhD

EXTERNAL FUNDING AGENCIES

- Australia Award
- Australian Research Council
- National Health and Medical Research Council
- China Scholarship Council
- Sciences Without Borders Brazil
- EU Horizon 2020
- DAAD
- Germany DFG

- National Sciences Foundation
- National Institute of Health
- Research Council Canada
- VIED Vietnam
- Thai Government Scholarship (C9)
- Malaysia Government Scholarship Program
- Indonesian Government Scholarship Program
- PRONABEC Peru
- COLSCIENCES Columbia
- Chilean CONACIT
- MEXICO CONACYT
- Uruguay ANII
- Pakistan HEC
- Kazakhstan Bolashak
- Russian Government
Key Lessons for Partnerships
Industry or International Collaboration

1. University leadership endorsement is critical
   • Support needed at Vice Chancellor / Rector / Executive level.
   • Also must be realistic about skills to deliver

2. Focus on Long term strategic partnerships
   • Key relationships aim higher, receive significantly greater funding and last longer.
   • Industry often turns to university’s to identify frontiers for research.

3. Start with a shared vision and develop a strategy
   • What are the core strengths of your University?
   • What is your comparative advantage?
   • Which organisations are in your local area?
   • What questions and research are priorities for them and you?

4. Ensure the right people are in charge
   • Faculty with industry experience are preferred.
   • Should be mature who are multi-disciplinary and bridge builders.
   • Hold people accountable who do not deliver
Key Lessons for Partnerships

Industry or International Collaboration

5. Ensure dialogue through different mechanisms
   • Guest lectures and seminars between academics and industry experts.
   • Cocktail evenings with visiting delegations or local businesses.
   • Industry advisory boards made up of senior management at Department and Faculty level.

6. Don’t get hung up on intellectual property (IP)
   • Develop a broad overarching framework agreement.
   • Companies will walk away if inflexible.
   • IP is overemphasised. True value in R&D is often the tacit knowledge it produces.
   • University focus should be on solutions for the economy.

7. Promote a multi-disciplinary approach to research and learning
   • Innovation often depends on researchers and industry experts working across a number of disciplines. i.e technology, accounting, natural environment, economics, law.
   • Be prepared to start small. i.e cotutelle.
Key Lessons for Partnerships
Industry or International Collaboration

8. Don’t overemphasize measuring the results of a strategic alliance
   • Success takes time to bear fruit. You are not going to establish an alliance during the first visit.
   • Focus on quality instead of quantity of outputs.

9. Redefine the role of the research university as a source of competence and problem-solving for society
   • Role in the 21st century extends beyond teaching and public service research to incorporate key social challenges and helping drive economic growth.
Thank You!

Questions?