The Role of Senior International Leaders in Global Grand Challenges

Panelists:
Britta Baron
Vice-Provost and Associate Vice-President (International), UAlberta

Kelechi Kalu
Vice Provost for International Affairs, UC Riverside

Moderator:
Joanna Regulska
Vice Provost and Associate Chancellor, Global Affairs, UC Davis
What is “international research”?

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Partners</th>
<th>Funding</th>
<th>Measures of Success</th>
</tr>
</thead>
</table>
| Scholarly Research | 1) Academic prestige  
2) Reputation building  
3) Opening additional funding sources | 1) High-level academic focused universities and research institutes | 1) Standard research funding mechanisms | 1) Publications  
2) Prizes  
3) Traditional academic rewards |
| Development Focused Research | 1) Commitment to global citizenship  
2) Opening new partnerships  
3) Innovative opportunities for learning – especially experiential learning | 1) Universities in the developing world  
2) Community organizations  
3) National and International development funding organizations  
4) Governments abroad | 1) Public/government development organizations  
2) Private foundations  
3) Governments abroad | 1) Societal impact, changes in quality of life, etc.  
2) Credibility as agent of social change  
3) New stakeholder relations |

...and any permutation of the above

#AIEA2018 | www.aieaworld.org
Implications for Role of SIO

Stakeholder Management
• Stakeholder management as key component of job profile
• Internal stakeholder relations management, including building interdisciplinary coalitions
• External stakeholder management, especially governments
• Aligning stakeholder interests

Recommendation: Appeal to different stakeholders in different ways. Be flexible in your narrative about purpose and value of international research
Implications for Role of SIO

Project Management

• Ability to manage complex project management, including financial management and risk management
• Actively manage alumni relations

Recommendation: Understand importance of recruiting qualified and skillful staff, and invest in ongoing staff development
Challenges

- Tension between traditional academic incentives and rewards, and rewards and incentives for societal impact
- Traditional universities’ administrative culture not in line with entrepreneurial and managerial requirements of international research/development
- Rapidly changing circumstances with partners abroad

Recommendations:

1. Build strong incentives for various stakeholders and partners
2. Develop flexible but effective models for revenue sharing
International Research Projects

Germany

• Helmholtz: Energy related research collaboration with various research institutes in Germany
• RWTH Aachen: Smart Grids, Bio-Fuels, Data-based Modeling/Simulation, Biomedical Engineering

China

• Tsinghua University: Joint Research Centre for Future Energy and Environment
• East China Normal University: Joint Institute for Advanced Science & Technology

Mexico

• SENER-CONACYT: Energy Innovation Grants (Hydrocarbons)

UAlberta at a glance

CAD$481 million in external research funding
18 academic faculties
3,561 academic staff (36% international)
From Focus on Key Countries to Signature Area Strategy

- Future Energy Systems
- Precision Medicine

Total of 5 to 7

**Key:** international research and international project work as integral part of institutional strategies for international and research
UCR International Affairs Strategic Goals

- Expand international experience for UCR students
- Increase percentage of international students and faculty
- Community engagement/international alumni
- Curricula engagement on global issues
- International research collaborations
International Research Collaborations

- CENTER FOR INNOVATIVE MATERIALS SCIENCE
- XIAMEN UNIVERSITY PHD TRAINING
- JOINT RESEARCH SALINITY PROJECT (CAN THO, VIETNAM)
- PIRE GRANTS:
  - BILINGUALISM MATTERS
  - WINDOW TO THE BRAIN
- CHILE - ENTREPRENEURSHIP PROJECT
- INTERNATIONAL SCHOLAR RESEARCH EXPOSITION
- POWERFUL MIGRATIONS CONFERENCE
- UNAM FACULTY EXCHANGE PROGRAM
- I-3 INTERNATIONAL INNOVATION INSTITUTE
  - UC KIMS CENTER
  - UNIVERSITY OF JINAN (CHINA)
  - MIRYANG CITY