Nurturing a culture of responsible research for best quality outcome

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The University of Hong Kong

30th May, 2017.

5th World Congress on Research Integrity

The role of institutions in a global setting

Outline

- Overview of Research @ HKU
- Challenges for institutions with changing demand
- Promoting Responsible Conduct of Research @ HKU
- What institutions can do to nurture responsible research

Overview of HKU

- Research intensive
- Comprehensive with 10 faculties: Arts, Science, Medicine, Engineering, Dentistry, Law, Education, Architecture, Social Sciences, Business and Economics
- 16,000+ undergraduates (mostly local) and
- 12,000+ postgraduates (mostly non-local)
- 3,000+ academic research staff (1,100 professoriate)

Our 3+1 Is:

Internationalisation
Innovation
Interdisciplinarity
IMPACT

INTERNATIONALISATION

To promote global citizenship and competitiveness, we plan to provide all students with at least one mainland China and one overseas learning opportunity by 2022.

INNOVATION

Is there life out there? Are we alone? We wish to continue encouraging critical questioning and thinking to innovate for change and social good.

INTERDISCIPLINARITY

By bringing together different and divergent minds, we aim to drive and catalyse new ways of thinking, new ideas and concepts and new ways of doing things.

IMPACT

From contributing to finding cures for the world's greatest diseases, promoting oral hygiene in developing countries, to rebuilding homes in China, our aim is to embed impact into all of our academic and educational outcomes.

Research Output of HKU
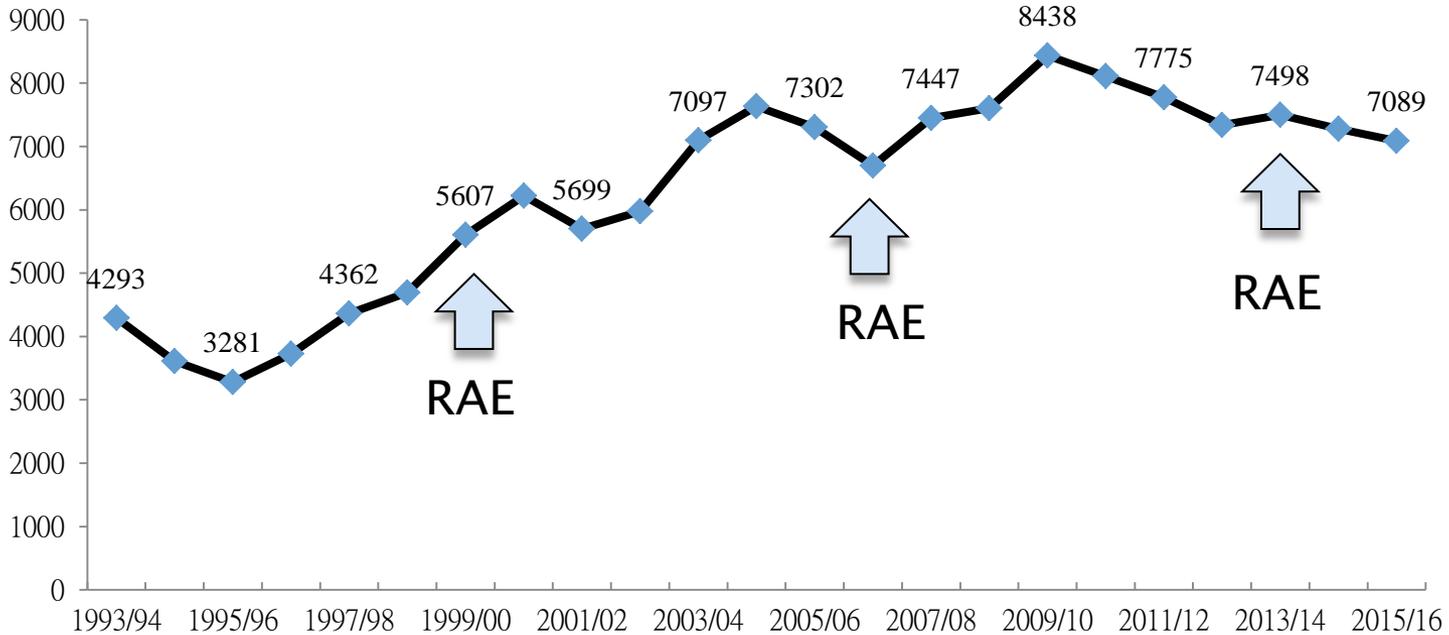
Note: Based on data obtained from the Hong Kong Research Grants Council website in May 2017.

Cross border research collaborations

Global Research Network @ HKU

13/14 — 847
12/13 — 788
11/12 — 767
10/11 — 773
09/10 — 746
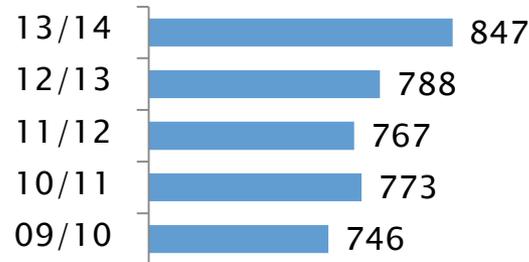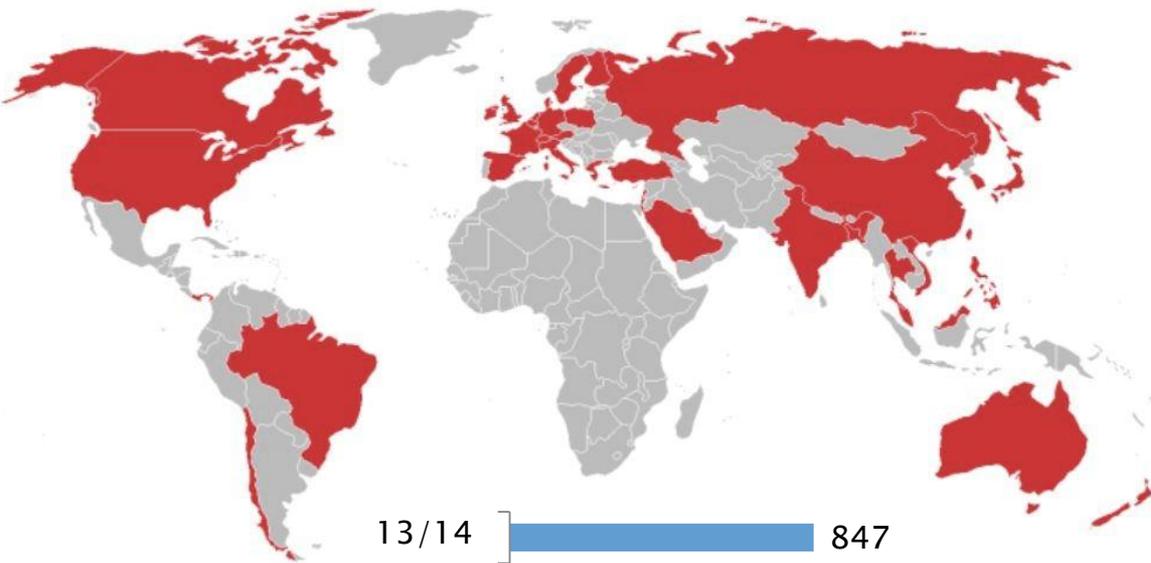
HONG KONG'S HOTSPOTS
While collaborations with the United States dominate the top five partnerships for Hong Kong's leading institutions, each has a particular regional focus for their remaining partners.

Legend:
- United States
- Canada
- United Kingdom
- France
- Germany
- Portugal
- Japan
- Singapore
- Taiwan
- Australia
- Others

REACHING OUT
The University of Hong Kong has many partnerships in the United States and western Europe.
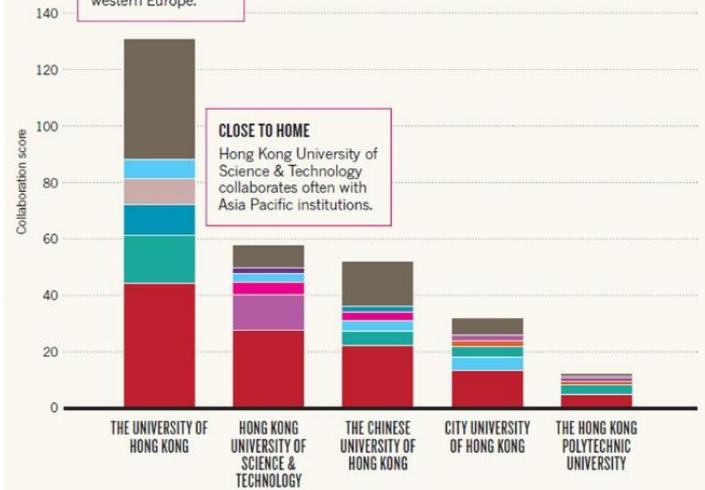
CLOSE TO HOME
Hong Kong University of Science & Technology collaborates often with Asia Pacific institutions.

Collaboration score (y-axis: 0, 20, 40, 60, 80, 100, 120, 140)

THE UNIVERSITY OF HONG KONG | HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY | THE CHINESE UNIVERSITY OF HONG KONG | CITY UNIVERSITY OF HONG KONG | THE HONG KONG POLYTECHNIC UNIVERSITY

Nature Index 2015, S188 China

# Research publications from China

TOP INSTITUTIONS

The Chinese Academy of Sciences and the nation's leading universities produce tens of thousands of papers every year. A sizeable portion of those rank among the world's best.

■ 250 papers published in 2015   ■ Papers in the world's top 10%

CHINESE ACADEMY OF SCIENCES
Network of institutes headquartered in Beijing
36,996 papers / **19%** in the top 10%
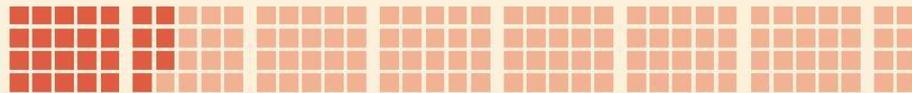
ZHEJIANG UNIVERSITY
Hangzhou
9,429 / **14%**
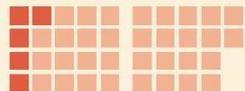
TSINGHUA UNIVERSITY
Beijing
9,017 / **18%**
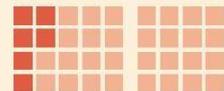
PEKING UNIVERSITY
Beijing
9,030 / **20%**

FUDAN UNIVERSITY
Shanghai
6,072 / **18%**
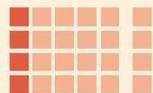
NANJING UNIVERSITY
Nanjing
5,207 / **19%**

**UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA**
Hefei
4,512 / **22%**

Rounded to nearest 250 papers.

OUTPUT

In the past decade, China's share of the world's research articles has surged from 13% to 20% — and its share of the world's top-cited articles has shown similar growth.

EU 28   United States   China   United Kingdom
Germany   Japan   South Korea

Percentage of world's papers vs years 2005, 2007, 2009, 2010, 2013, 2015

Nature: 23 June 2016
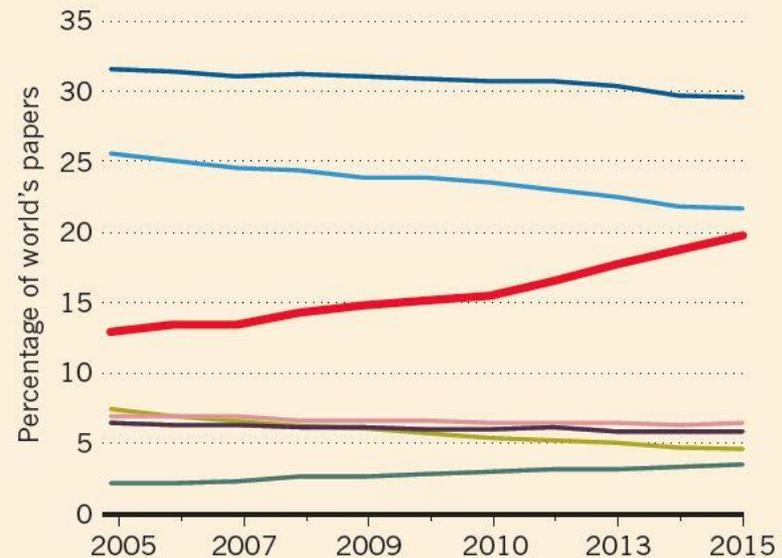
Quality research, Responsible research and Impactful research
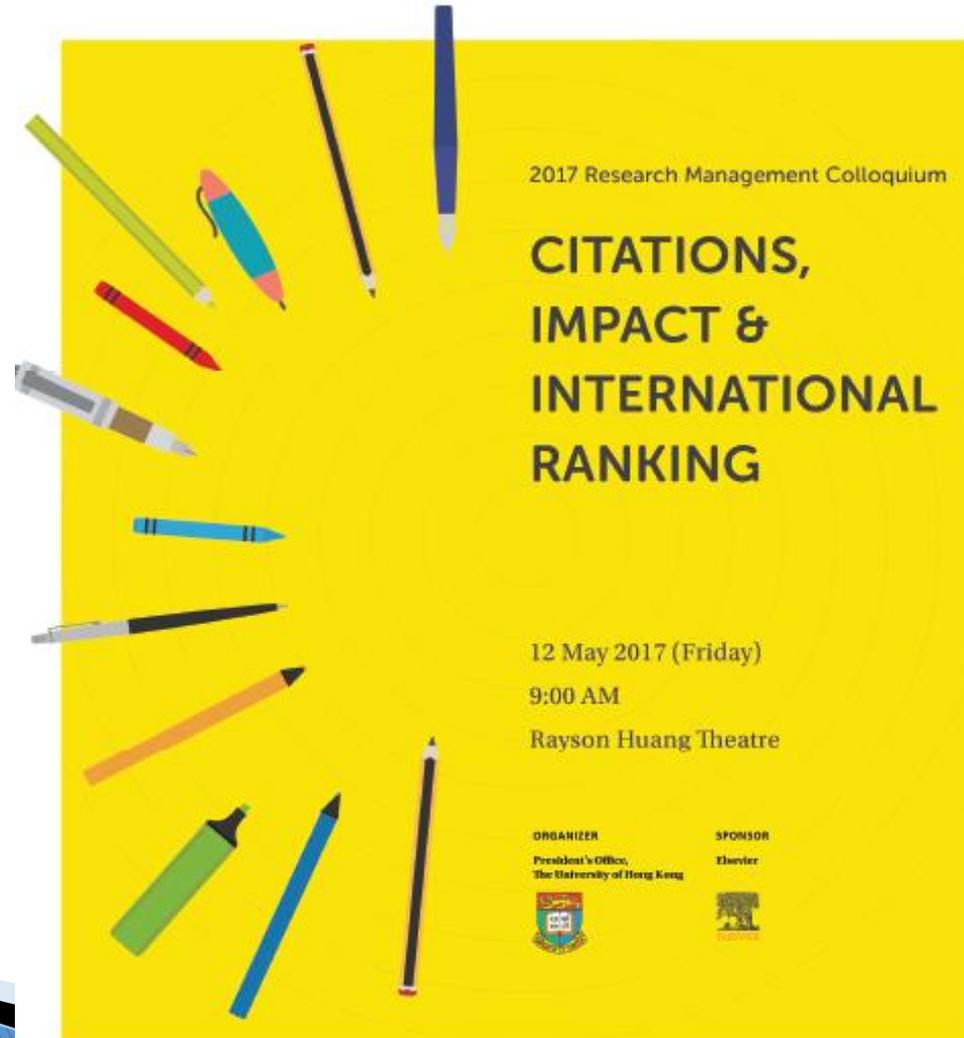
2017 Research Management Colloquium

CITATIONS, IMPACT & INTERNATIONAL RANKING

12 May 2017 (Friday)
9:00 AM
Rayson Huang Theatre

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Research Integrity @ HKU

- Research Integrity is the central and guiding principle for all the University's scholarly activities
- "In pursuing our research activities, all members of the University should clearly understand our responsibility to
  - uphold the highest standard of professional conduct,
  - abide by the University's rules, policies and guidelines, and by relevant laws"

  (*Policy on Research Integrity, revised Jan 2013, Feb 2017*)
- Liaison Person on Research Integrity matters in each Faculty to strengthen communications
- Director and Deputy Director of Education and Development for Research Integrity appointed since 2011

Research Integrity @ HKU

- Policy on Research Integrity
- Procedures for dealing with alleged staff misconduct in research
- Regulations governing students' academic conduct concerning assessment
- Promoting responsible conducts of research

Research Integrity
A Guide for Research Postgraduate Students
at The University of Hong Kong

A publication of the Graduate School

Promoting Responsible Conduct of Research

- University wide seminars on RCR
- Research integrity funding schemes for promotion of RCR
- Online RCR materials for self education
- Education and promotion of RCR practices for research students

Responsible Conduct of Research Seminars

- RCR Seminars for current and new staff at all levels
- Mandatory for all staff to attend to be eligible for internal research grants and conference support
- 14 seminars organized since March 2010, over 1,300 staff have attended

Responsible Conduct of Research Funding Scheme
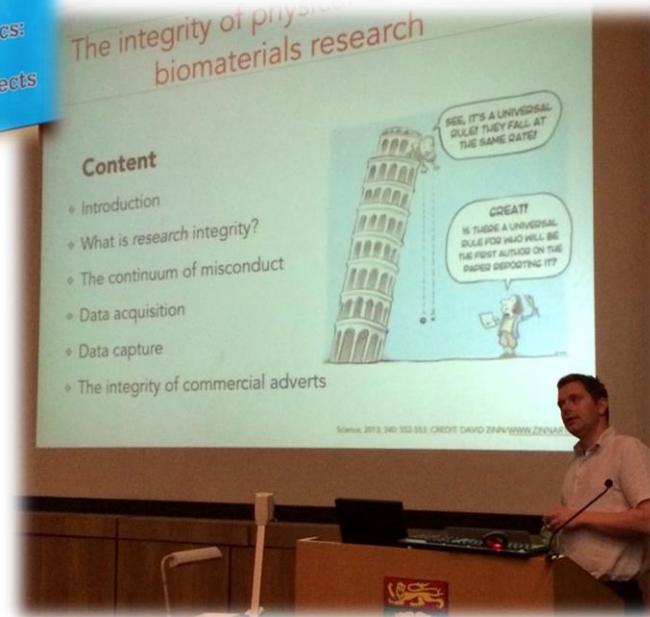
# Promoting Responsible Conduct of Research for research students
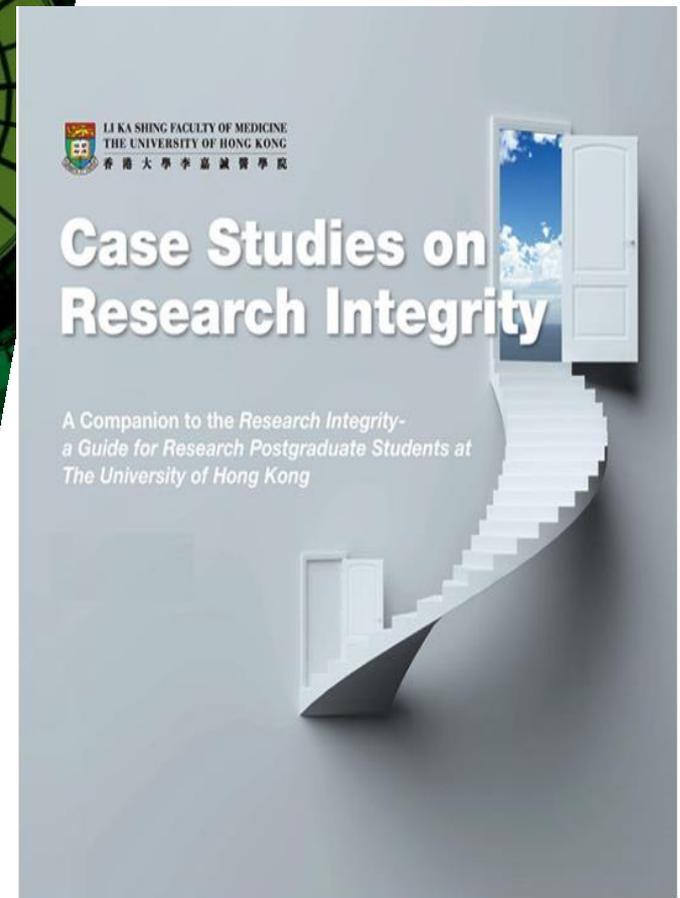
Students' perception of RCR @HKU

Issues	Involved/Victim of (%)	Aware of/witness (%)
Sloppy work	9	17
Data Manipulation	3	11
Data Fabrication	2	7
Data theft	1	4
Data ownership	5	13
Plagiarism	–	12
Self-plagiarism	3	9
Unjustified authorship	7	13
Salami Publication	1	8
Bad mentoring	6	13

Students' perception of RCR @HKU

Lack of discussion with supervisors on:

- Research data management (22%)
- Authorship arrangements (37%)
- Issues of research misconduct (39%)
- Issues on mentoring (14%)

The University of Hong Kong

Research Services
Support and information for HKU researchers

▶ Sitemap   ▶ Contact Us

Quick Links ▾   Search this site 🔍

Home > Research Integrity

Research Integrity

As a world-class comprehensive university with research activities spanning all major disciplines, HKU always realises the vital importance of research integrity, and all members of the University must observe the highest standards of professional conduct in pursuing their research activities. The institutional policy and arrangements for safeguarding research integrity, as approved by the Council on January 29, 2013 and adopted with immediate effect, are set out in the following documents:

▶ Policy on Research Integrity

▶ Procedures for Dealing with Alleged Staff Misconduct in Research

▶ Regulations Governing Students' Academic Conduct Concerning Assessment

Responsible Conduct of Research

HKU promotes and fosters the highest standards of conduct in the research activities of all of its members, and the University has introduced a range of initiatives including courses, seminars and a funding scheme.

▶ Responsible Conduct of Research

Research Data and Records Management

Effective research data and records management supports both high quality research and academic integrity. HKU's *Policy on the Management of Research Data and Records* was approved by the Senate on May 5, 2015. A Task Force will oversee the planning for the implementation.

▶ Policy on the Management of Research Data and Records

Sidebar navigation

About Us

Research Funding

IPR & Contracts

Research Integrity
   Responsible Conduct of Research
   Research Data and Records Management
   Research Ethics Compliance
   Safety Approval & Insurance

Honours & Awards

RAE 2014 & Resources

Asia-Pacific Research Integrity Network Meeting 2017

APRI

Date: February 20 - 22, 2017
Venue: Social Sciences Chamber, 11/F, The Jockey Club Tower
Centennial Campus, The University of Hong Kong

Around 110 participants from 20 countries:
Australia, Bhutan, Cambodia, Canada, China, Hong Kong, India, Indonesia, Japan, Malaysia, Nepal, New Zealand, Pakistan, The Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, USA

The role of institutions in promoting research integrity

Determination and Commitment, Policies, resource and infrastructure support

RCR education, skills training, data management system, supporting platforms

Quality assurance,

risk management

Responsibility and Accountability of Institutions
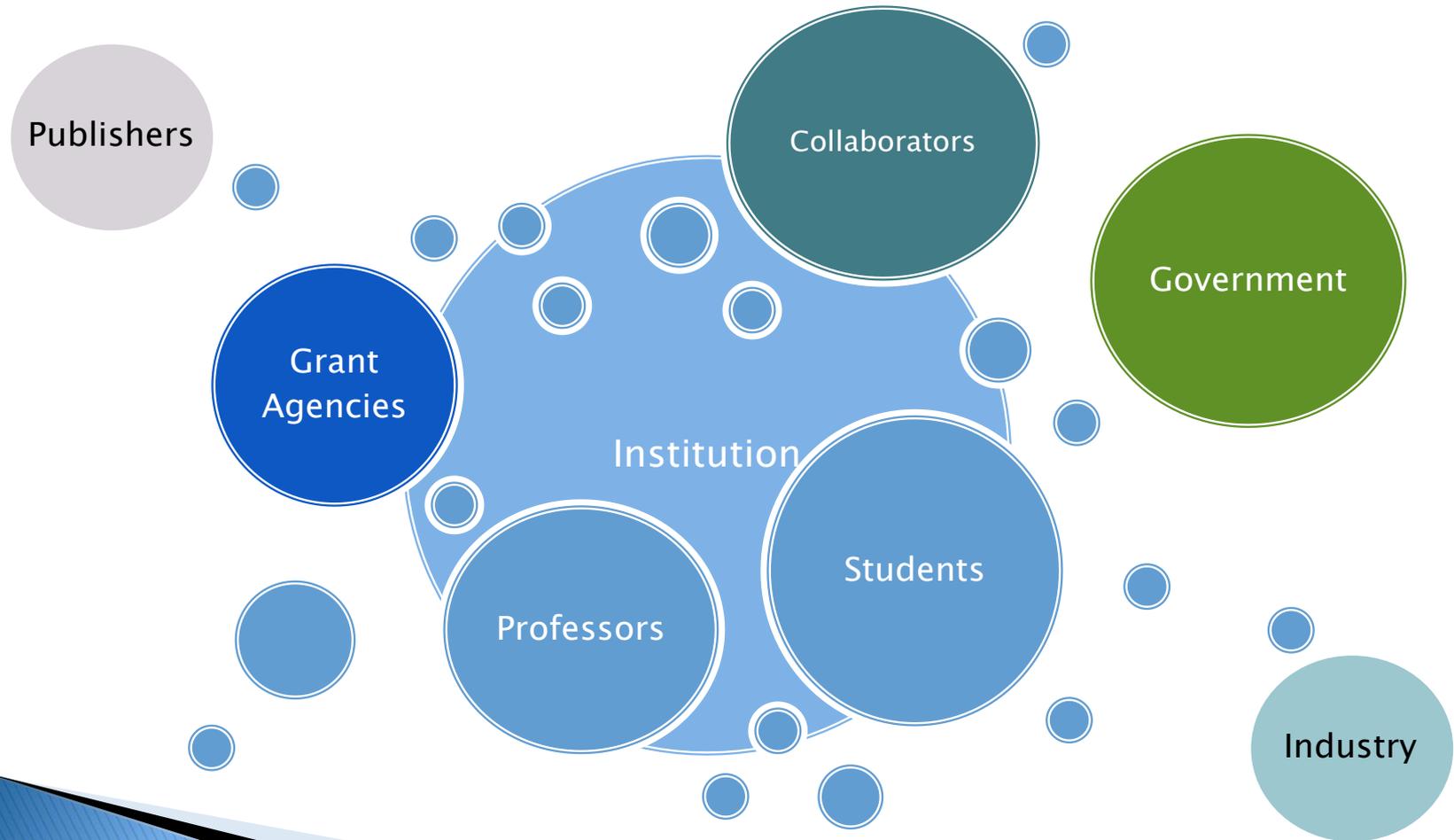
Research Integrity @ HKU

- Institutional and individual levels of responsibility and commitments in promoting trustworthiness of research

- Research is performed by individuals who engage in RCR, in an institution that is committed to RCR

- Forstering a supportive research environment for best practices and quality research outcome

Thank you!