

# Trends in Research Writing



Distributed at workshop by  
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**ed/tage**  
by CACTUS

## Lecturer Intro



**Editor & Trainer, Academia CACTUS**

**Program Coordinator** 

**Certified Editor** 

Over 1000 papers revised

*A strong functional knowledge of the concerns researchers and academics have when writing in English*

## Big Science

**In 1911, Rutherford discovered that atoms have a nucleus – a breakthrough discovery**



The experiment was completed by Rutherford, 1 post doc, and 1 undergraduate

**In 2012, evidence was found to prove the existence of the Higgs boson**



The experiment was completed by 2500+ physicists around the world

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## Top research trends

1

**Federal funding**

Expect cuts in funding.

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## Top research trends

2

### Financial innovation: Attack of the megafund

Use financial engineering to secure funding for research.

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## Top research trends

3

### Reimbursement: Can value drive innovation?

Pharma industry is concerned about R&D spending and losses due to possible cuts in healthcare. This could affect innovation. engineering to secure funding for research.

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## Top research trends

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### Venture philanthropy

There is a trend for non-profit organizations (NGOs) to fund research in certain areas, providing 'quick cash' to hot issue research projects.

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## Top research trends

5

### Academic research

There is an evergrowing need for academic researchers to be able to reproduce positive results.

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## Top research trends

**6**

**Data standards**

There is a growing push to develop international standards.

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## Top research trends

**7**

**Turning outputs into outcomes**

Reducing the gap between the approval for research and its adoption into use.

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## Top research trends

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### Collaboration among stakeholders

Collaboration among R&D stakeholders (government, academia, industry, non-profits) is required to make progress in increasingly complex scientific and business environment.

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## Top research trends

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### Innovation

Though there's no shortage of brilliant scientists and discoveries in research, it remains difficult to move forward in the expensive environments of academia and industry, where risk is not necessarily rewarded



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## More money more people

- Global spending on research and development (R&D), totaling US\$1.1 trillion in 2007, double that in 1996
- Between 2000 and 2010, the number of science and engineering graduate students rose 30%, and number of postdocs increased 45%
- 24,000+ peer reviewed journals, 2000+ publishers, 1.5 million+ papers published per year, 3 million+ papers submitted per year: increased 44% since 2001

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## Trending topics



- Data-Rich Wearable Devices
- Cancer Immunotherapy
- Genome Editing
- The Human Microbiome
- Patient-Centered Medical Homes
- Cell Therapy
- Early Translation
- Health Care Value



## Why?



### You must publish in English

- International language of academics
- Become an effective communicator
- Funding
- International reputation
- Advance your career

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## Contact Details

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