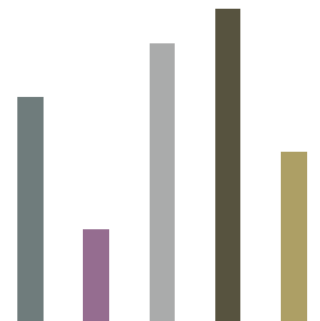




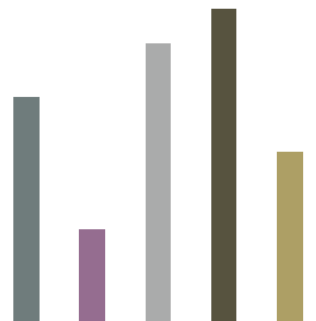
# How publishers should implement COPE aims and guidelines

Chris Graf, Vice Chair, COPE (Committee on Publication Ethics), and Wiley

Disclosures: CG works for Wiley and benefits from the company's commercial success. CG receives no form of compensation from COPE for his voluntary role as COPE Councillor and Vice Chair.



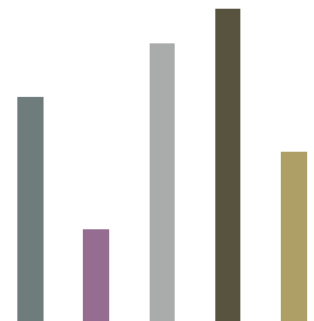
Promote integrity in research  
and research publication



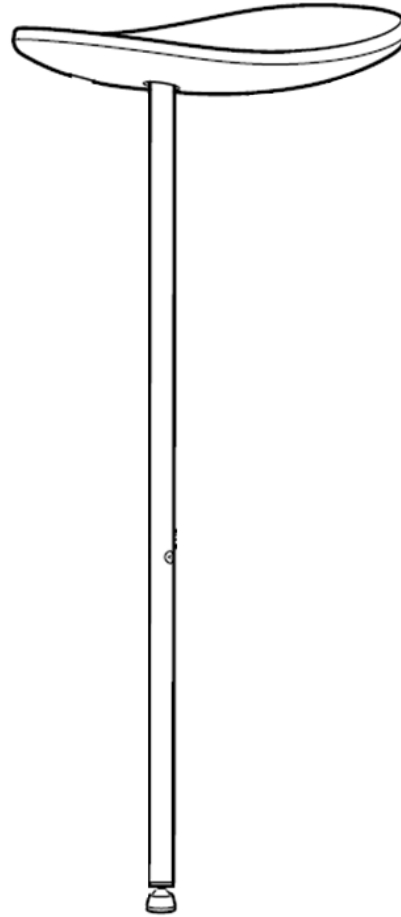


We need a culture of responsibility for the integrity of the literature... it's not just the job of editors

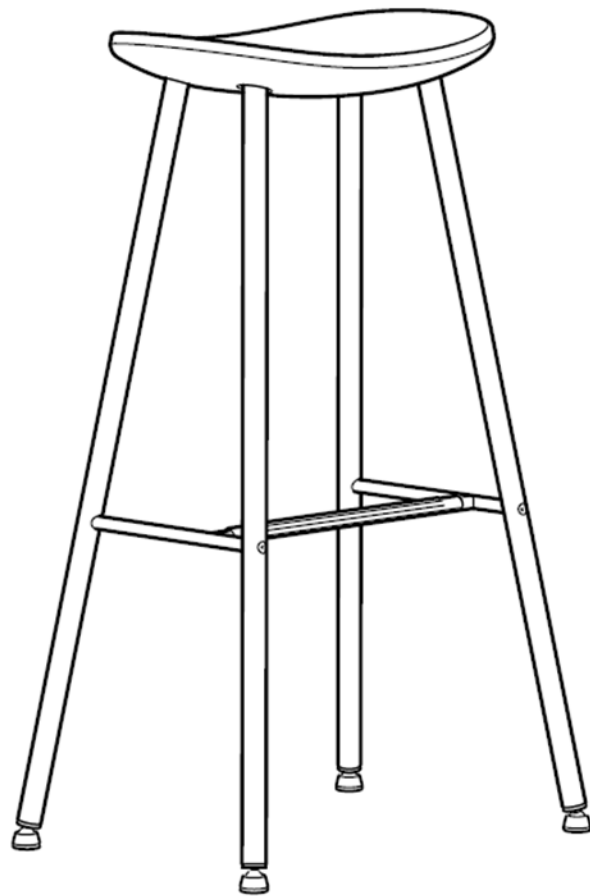
Ginny Barbour, COPE Chair, Tokyo, Japan, 2015



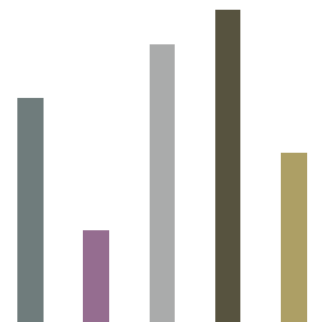
# SUNE



# SUNE



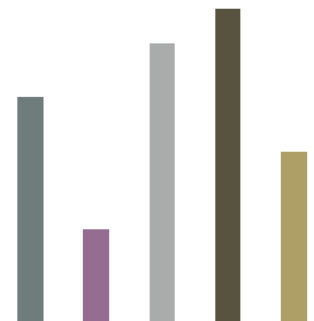
# How bad are things?





Profound pressure to  
publish certainly can't  
explain LaCour's deception  
on its own

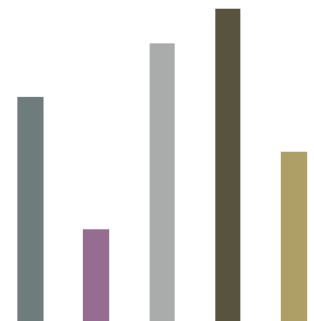
Drew Foster, Grad Student, Univ. Michigan, in NY Times  
<http://nymag.com/scienceofus/2015/06/will-academia-waste-the-michael-lacour-scandal.html#>





There is reasonable evidence that scientific misconduct is both common and under-reported

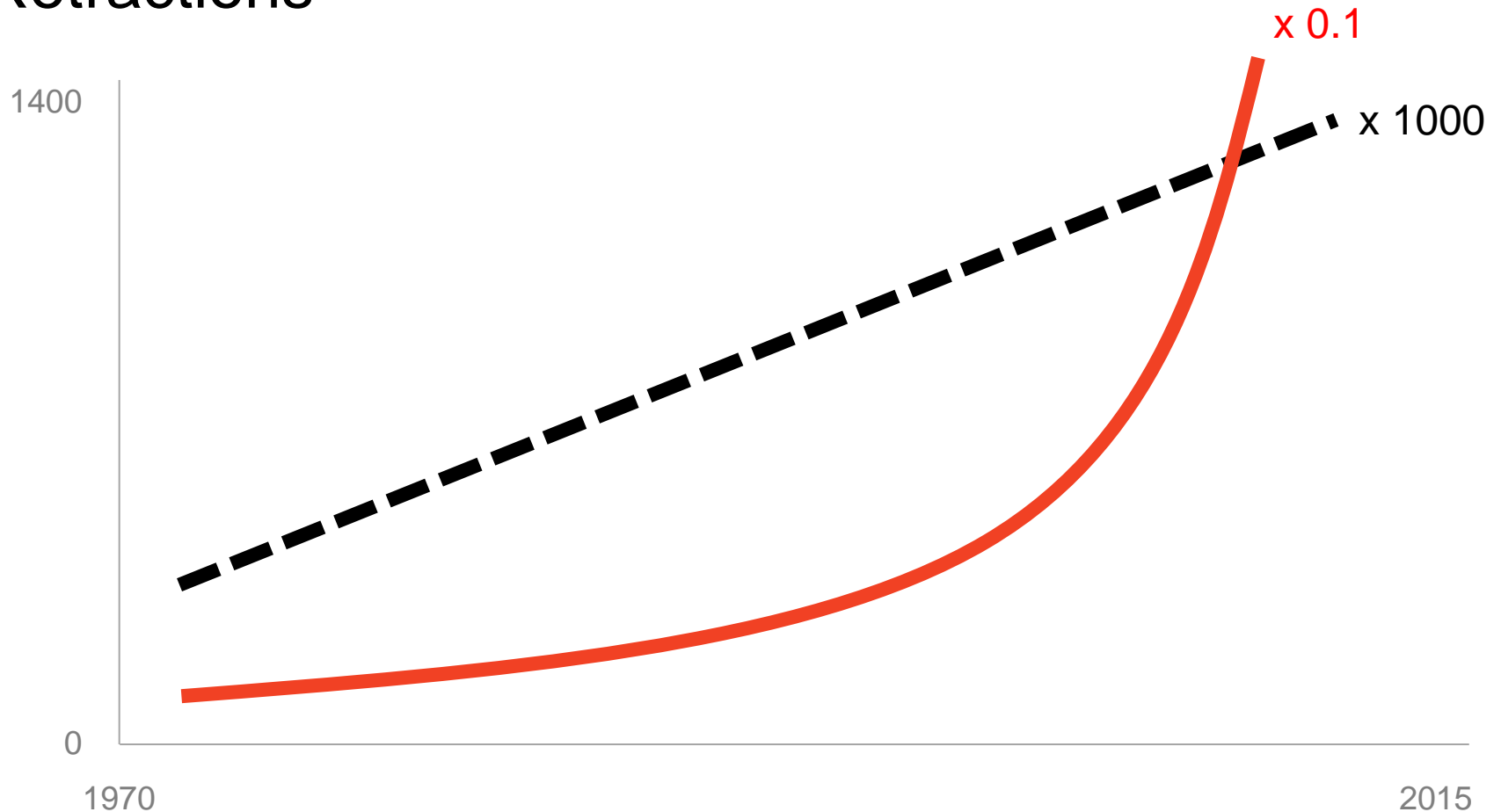
Grant Steen et al. Why Has the Number of Scientific Retractions Increased? PLoS ONE. doi:10.1371/journal.pone.0068397





Papers published - - -

Retractions —



Steen RG, Casadevall A, Fang FC (2013) Why Has the Number of Scientific Retractions Increased? PLoS ONE 8(7): e68397. doi:10.1371/journal.pone.0068397.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0068397>

The background of the image is a close-up, high-speed photograph of water droplets hitting a surface, creating a series of concentric ripples. The water is a light, clear blue color, and the droplets are captured in various stages of impact, some as small spheres and others as elongated shapes. The overall effect is a sense of movement and freshness.

Retractions in 2014

**437**

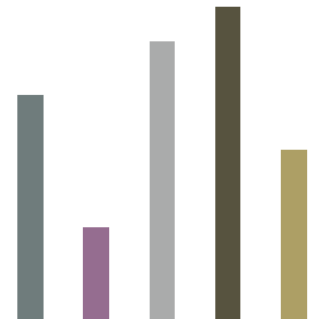
Papers published

**2,500,000**



Much of the scientific literature, perhaps half, may simply be untrue

Richard Horton. Offline: What is medicine's 5 sigma? Lancet.  
doi:10.1016/S0140-6736(15)60696-1



Is research and scholarly publication...



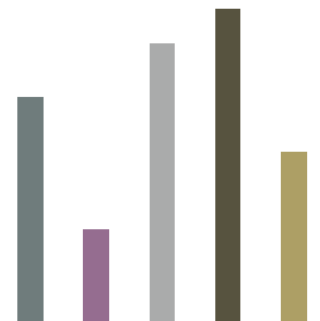
The final word?



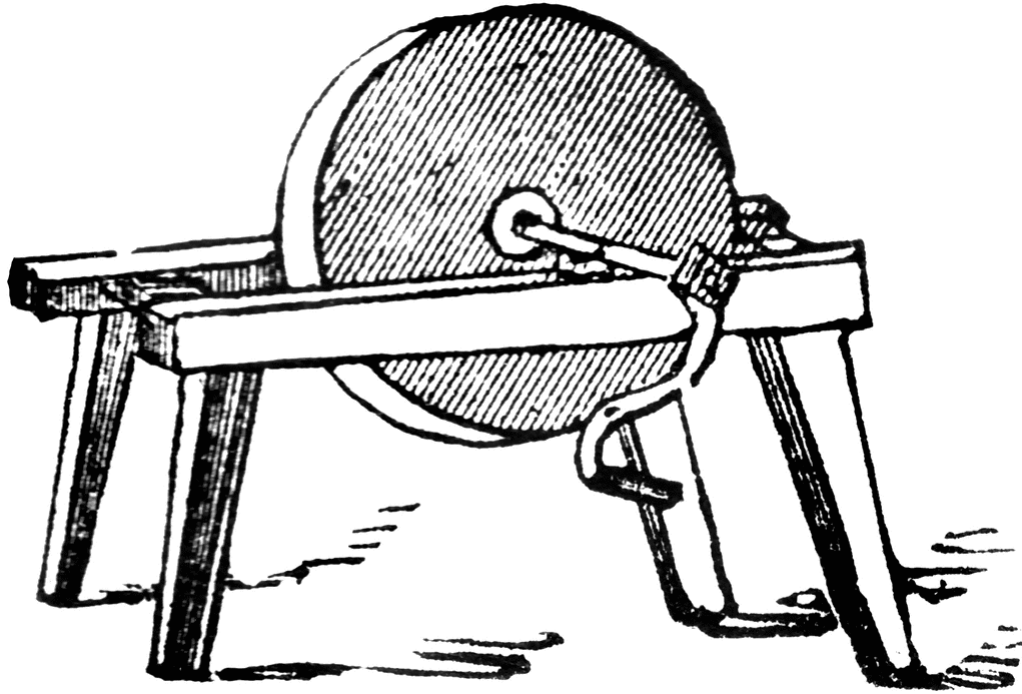
Something else?



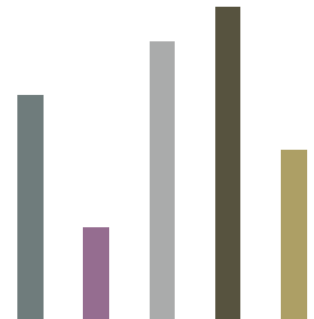
# What's COPE for?



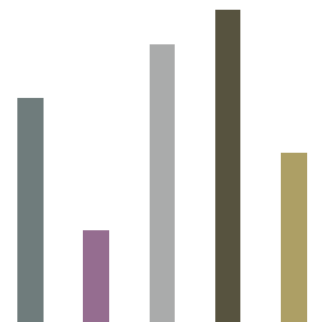
# What's COPE for?



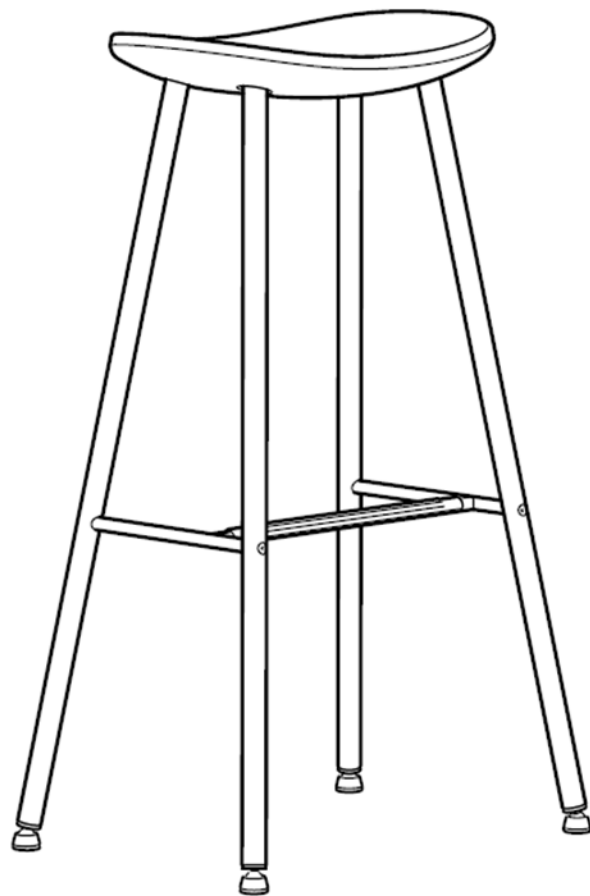
Classroom license image credit: Florida Center for  
Instructional Technology <http://etc.usf.edu/clipart/>



# What's COPE for?

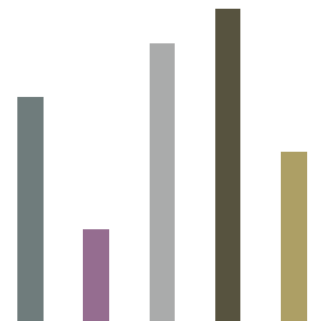


# SUNE



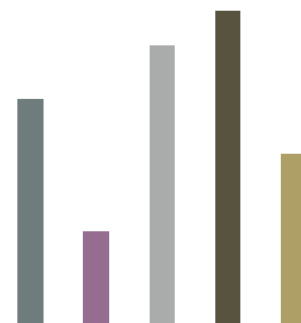


What does good practice  
look like?



How publishers can promote integrity in research and research publication

Examples of best practice, from  
BioMed Central, Ubiquity Press,  
American Chemical Society



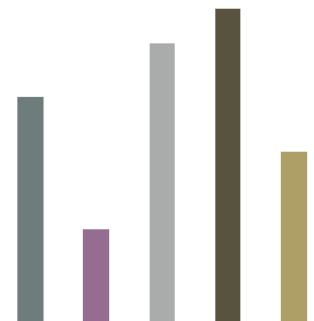
# How publishers can promote integrity in research and research publication

## Solutions

- Dedicate people, point of contact
- Define good practice, codes, policy
- Integrate ethical practice into workflows (eg, plagiarism checks, mandatory COI, reproducibility)
- Communicate and share updates
- “Audit”
- Use expertise and awareness of resources (eg, flowcharts, Forum, own guidelines, FAQs)
- Deliver training and support
- Share advice (case-by-case, more generally)
- Oversee resolution of issues
- Participate in events, seminars, continuous learning, communicate

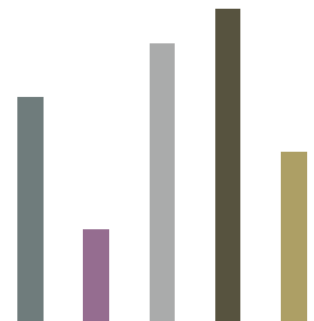
→ **Collaborate**

- Lead (eg, evolve, support research)



# Think.Check.Submit provides tools to assess individual journals to see if they are reputable

Siân Harris from INASP on Think.Check.Submit at Frankfurt Book Fair <http://thinkchecksubmit.org/2015/10/15/think-check-submit-at-the-2015-frankfurt-book-fair/>



# How publishers can promote integrity in research and research publication

## Challenges

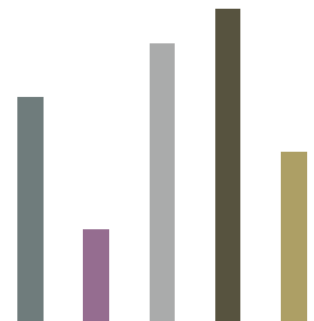
→ **Adapting to new challenges**

→ **Addressing the causes**

- Acting in collaboration

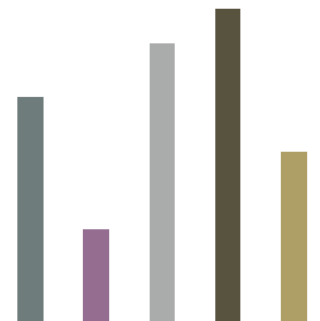
- Reliance on collaboration with other parties
- Hesitance to adopt new approaches
- Reliance on trust

- Same old problems: authorship, duplicate publication, and less commonly falsification, fabrication



“Our replication standards contribute directly to a more rigorous, rational, theory-driven, and cumulative approach

William Jacoby, “Replication” at *American Journal of Political Science*  
[http://exchanges.wiley.com/authors/videos-and-webinars\\_654.html](http://exchanges.wiley.com/authors/videos-and-webinars_654.html)



In summary

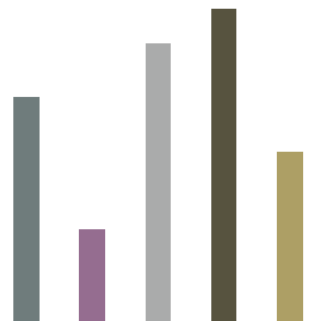
Follow codes

Empower your people

Participate, collaborate, lead

Recognise problems

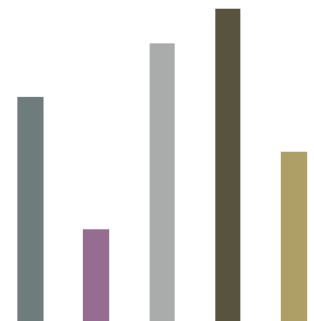
Address the causes





# Scientists feel pressure to compromise on research integrity

Ottoline Leyser, Deputy Chair Nuffield Council on Bioethics, et al. The Culture of Scientific Research in the UK. <http://nuffieldbioethics.org/project/research-culture/>



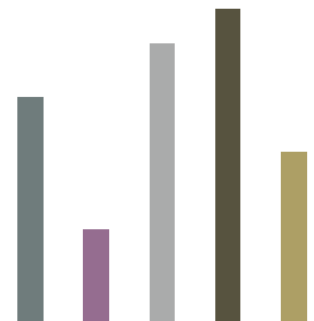




Finding the error became  
all-consuming; other  
projects languished

Pamela Ronald, Univ California, Davis. In “A clean slate”

<http://www.nature.com/naturejobs/science/articles/10.1038/nj7492-389a>



# Thanks

Chris Graf, Vice Chair, COPE  
cgraf@wiley.com

