

## **Collaborative Discussion 2 – Research Methods and Professional Practice – Received Response, Ying Chan– Michael Geiger**

Your post on the review of Abi's case is insightful. Specifically noted that the scientific truth is relative, as opposed to being absolute and one-dimensional. To protect the reputation of the business, the organization should also assess the possible danger to people.

Scientific misconduct can have serious consequences, such as preventable disease or human loss brought on by erroneous information in the literature or by persistent citation of retracted work. A current study or endeavour can waste both human and financial resources if it is founded on earlier, shady, or false research. Situations of research misconduct frequently are reported to funding agencies, which may be financially costly to the institution and harmful to the careers of those who engage in it (Imperial College London, N.D.). Two of the primary problems with research communication mistakes that squander billions of dollars are publication bias and result reporting bias (Chan et al., 2014).

The research careers of people who engage in misconduct may suffer due to the retraction of articles and reputational repercussions of such behaviour. Falsification, fabrication, and plagiarism, or "FFP," are three actions that come within the US legal definition of "research misconduct." FFP is a federal felony that may be severely penalized with penalties, losing funding eligibility, and potentially going to jail when it happens in federally supported research (Health and Human Services, N.D.).

## References

Chan et al. (2014). Increasing value and reducing waste: addressing inaccessible research. *ScienceDirect*. DOI: [https://doi.org/10.1016/S0140-6736\(13\)62296-5](https://doi.org/10.1016/S0140-6736(13)62296-5)

Health and Human Services. (N.D.) Research Misconduct. *RCR Casebook*. Available from: <https://ori.hhs.gov/rcr-casebook-research-misconduct> [Accessed 20 January 2023].

Imperial College London. (N.D.) What is research misconduct?. *Research integrity*. Available from: <https://www.imperial.ac.uk/research-and-innovation/research-office/research-governance-and-integrity/research-integrity/what-is-research-integrity/what-is-research-misconduct/> [Accessed 20 January 2023].