The Role of Journals in Promoting Research Integrity

UAB Scientific Approaches to Strengthening Research Integrity in Nutrition and Energetics

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Top 10 Biases in Biomedical Publishing


#9 Conflicts of Interest


#7 Duplicate Publication


#5 Outcome Bias


#4 Fabrication, Falsification and Plagiarism (FFP)


#3 Image Manipulation

Gilbert, N. Science journals crack down on image manipulation


#1 Literature Corrections

Pfeifer M.P, Snodgrass G.L. The continued use of retracted, invalid scientific literature. JAMA. 1990 Mar 9;263(10):1420-3


PREVENTATIVE MEASURES

- Instructions to Authors (IA)
- CSE 2011 study findings
  - Most IA address mechanics of paper
  - Only 25% journals address research integrity issues (1)


Critical Elements to Include in IA

• Does the journal address authorship or contributorship?

• Does the journal address breaches of publication ethics and how they’ll be resolved?

• Do the IA state how literature corrections (retractions, corrections and/or erratum) will be addressed?
Existing Model

- Directives
- Codes of Conduct
- Mechanics
Proposed Model

Codes of Conduct

Mechanics

Directives
Existing Resources

- CSE - Council of Science Editors
- WAME - World Association of Medical Editors
- COPE - Committee on Publication Ethics
- EASE - European Association of Science Editors
- Retraction Watch - blog dedicated to educating readers about retractions
Questions?

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