



Joint Statement of the II Brazilian Meeting on Research Integrity, Science and Publication Ethics (II BRISPE) - May 28 - June 1, 2012

Brazil is an emerging scientific power and rapidly becoming a regional and international research leader. Leadership requires more than high-quality scientific publications and qualified researchers. Although these are the traditionally recognized hallmarks of excellence, they have little value if not accompanied by high standards for integrity in research [1,2]. Evidence for this is more than apparent in the *grand* ethical challenges faced in global discussions about emerging technologies, climate change, exploitation of natural resources, but also science and society, data sharing, data protection, copyright and intellectual property rights [3,4].

In this global scenario, the following issues should be considered:

- i. Accountability in science and public trust in research results have increasingly been recognized as part of these *grand* ethical challenges, particularly as dialogues between science and society have become stronger in contemporary science.
- ii. Accountability and public trust in science have been identified as crucial aspects of governance in science, technology and innovation (S,T&I), and fostering accountability is closely related to promoting research integrity, as noted in international documents such as The Singapore Statement on Research Integrity (2010) [5] and others.
- iii. Research integrity, excellence and creativity are major assets for competitiveness in S,T&I.
- iv. The perception that a meaningful contribution to science is inseparable from accountability in research has led to significant changes in criteria for judgment of the quality and soundness of research projects and articles.
- v. Quality and soundness of research are interconnected features that depend on reliability of data and their faithful representation in the research record.
- vi. Quality and soundness of research may be affected by undisclosed conflicts of interests, which can distort the research record and mislead the research community.
- vii. In Brazil, growing incentives for collaborative projects that are conducted in an increasingly competitive international environment may lead to more successful results if institutions, academic journals, scientific societies and funding agencies establish strategic measures to promote and sustain accountability and public trust in science.
- viii. The State of São Paulo Foundation for Research Support (FAPESP) and the Brazilian National Council on Scientific and Technological Development (CNPq) have paved the way for establishing a culture of accountability in Brazilian science.
- ix. Brazilian science is expected to broaden its commitment to promoting and sustaining a culture of research integrity in its national and international research endeavors.

As an attempt to address these issues and contribute to fostering research integrity initiatives in Brazil, the II Brazilian Meeting on Research Integrity, Science and Publication Ethics (II BRISPE) recommends that all institutions should

1. include, promote and publicize RI/RCR guidelines and materials in their websites - for example, [The Singapore Statement on Research Integrity](#), 2010 [5]; [FAPESP's Code for Good Research Practices](#), 2011 [6], and [CNPq's Directives for Research Integrity](#), 2011 [7]; and [Cooperation between Research Institutions and Journals on Research Integrity Cases: Guidance from the Committee on Publication Ethics](#) – COPE, 2012 [8];
2. include research integrity guidelines in their strategic approach to research excellence;
3. raise awareness that plagiarism in all classwork is academic violation, be it in elementary school, high school or university. Provide educational materials showing that plagiarism in academic monographs, dissertations and theses is also an illegal practice in Brazil.
4. provide educational activities on RI/RCR among students and faculty to stimulate institutional discussion about local concerns;
5. encourage students and faculty to engage in national and international meetings and/or courses on RI/RCR;
6. stimulate awareness-raising activities about the role of publication ethics and authorship in national and international collaborative works;
7. provide opportunities for students and faculty to develop international language skills, ethical writing practices, and the ability to communicate accurately and responsibly the results of science, technology and innovation to their peers and to society;
8. develop initiatives to promote accountability and public trust in science among undergraduate and graduate students.
9. publicize this document among Brazilian students, researchers and faculty.

References:

- 1- Institute of Medicine & National Research Council (2002). **Integrity in Scientific Research: Creating an Environment that Promotes Responsible Conduct**. Washington, DC: National Academies Press.
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- 3- ICSU (2011). **ICSU Strategic Plan II, 2012-2017**. International Council for Science. Paris.
- 4- Suresh, S (2012). **Cultivating Global Science**. *Science*, 336, 959.
- 5- **The Singapore Statement on Research Integrity** (2010). Available at <http://www.singaporestatement.org/statement.html>
- 6- The State of São Paulo Foundation for Research Support (FAPESP). **FAPESP's Code for Good Research Practices** (2011), São Paulo. Available at http://www.fapesp.br/boaspraticas/codigo_050911.pdf
- 7- Brazilian National Research Council for Scientific and Technological Development (CNPq) (2010). **CNPq's Directives for Research Integrity**. Brasilia. Available at <http://www.cnpq.br/web/guest/diretrizes>
- 8- Committee on Publication Ethics (COPE) (2012). **Cooperation between Research Institutions and Journals on Research Integrity Cases: Guidance from the Committee on Publication Ethics**. London. Available at http://publicationethics.org/files/Research_institutions_guidelines_final.pdf

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