

# Reducing the Inadvertent Spread of Retracted Science:

Shaping a Research and Implementation Agenda



Monday November 9th

## DAY 2 Collaborative Agenda Setting

### Welcome and Review of Agenda & Logistics (Plenary, 20 min)

6:00-6:20 AM (PT) | 7:00-7:20 AM (MT) | 8:00-8:20 AM (CT) | 9:00-9:20 AM (ET) | 2:00-2:20 PM (UK) | 3:00-3:20 PM (CET)

### Implementation Solutions (Breakout group discussions, 30 min)

6:20-6:50AM (PT) | 7:20-7:50 AM (MT) | 8:20-8:50 AM (CT) | 9:20-9:50 AM (ET) | 2:20-2:50 PM (UK) | 3:20-3:50 PM (CET)

STRUCTURE: Each group will have a Google Doc to guide the discussion as follows:

1. List the implementation steps (15 min)
2. Determine who needs to be included (5-7 min)
3. Consider the impediments (5-7 min)

## TOPICS/GROUPS:

### **A. Adoption of COPE guidelines:** How do we facilitate further adoption of COPE guidelines as an industry-wide standard?

- a. Google Doc
- b. Group
  - i. Joerg Heber, Editorial Director PLOS and Editor-in-Chief PLOSOne
  - ii. Hannah Heckner, Product Strategist, Silverchair
  - iii. Stacey Lavelle, Senior Business Analyst, Aries Systems Corporation
  - iv. Deborah Poff, Editor in Chief Journal of Academic Ethics, Chair Trustee Board COPE
  - v. Sarah Robbie, Head of Research Integrity & Ethics, Taylor and Francis
  - vi. Randy Townsend, Director, Journal Operations at American Geophysical Union
  - vii. John Willinsky, Associate Dean for Student Affairs and Khosla Family Professor of Education, Stanford University and Director, Public Knowledge Project

### **B. Use of Retracted Science in Policy, Applied Science and Evidence-Based Practice:** What actions need to be taken when a retracted item has been used in a regulation, guideline, or systematic review?

- a. Google Doc
- b. Group
  - i. Caitlin Bakker, Medical School Librarian & Research Services Coordinator, Health Sciences Library Univ of Minnesota
  - ii. Lisa Bero, Chief Scientist, Center for Bioethics and Humanities; Professor of Medicine and Public Health, University of Colorado Anschutz Medical Campus
  - iii. Stephanie Boughton, Research Integrity Editor, Cochrane
  - iv. Capt. Stephen Gonsalves, Division of Education and Integrity, US Office of Research Integrity
  - v. Francesca Grifo, Scientific Integrity Official, Environmental Protection Agency
  - vi. Kathryn Kaiser, Assistant Professor Dept of Health Behavior, University of Alabama Birmingham
  - vii. Kathrin Mc Connell, Director, FDA Library, Office of Information Management and Technology

### **C. Robust Dissemination of Retraction Status:** How do we assure robust dissemination of retraction status information? What are the opportunities for sharing information across different scholarly publishing services? What is needed to ensure sustainability and data quality of retraction status information?

- a. Google Doc
- b. Group
  - i. Ashley Farley, Program Officer, Knowledge & Research Services, Bill & Melinda Gates Foundation
  - ii. Patricia Feeney, Head of Metadata, Crossref

- iii. James Leung, Product Director, Clarivate Analytics
- iv. Ivan Oransky, Co-Founder of Retraction Watch
- v. John Seguin, President and Chief Librarian, Third Iron LLC

**D. Retraction Education for Researchers, Editors, and the Public:** What does every researcher need to know about retraction? What does every editor need to know? What does the public need to know? Where does this happen and how?

- a. Google Doc
- b. Group
  - i. Elsa Alvaro, Director of Academic Engagement, Librarian for Chemistry, and Chemical and Biological Engineering, Northwestern University Libraries
  - ii. Daniele Fanelli, Fellow in Quantitative Methodology, Department of Methodology, London School of Economics and Political Science
  - iii. CK Gunsalus, Director, National Center for Professional & Research Ethics, Professor Emerita of Business, and Research Professor at the Coordinated Sciences Laboratory, University of Illinois
  - iv. Aaron Manka, Research Integrity and Administrative Investigations, National Science Foundation
  - v. David Moher, Director, Centre of Journalology, Ottawa Hospital Research Institute
  - vi. Pamela Ronald, Professor, Plant Pathology, University of California, Davis
  - vii. Barbara Ruggeri, Life & Health Sciences Librarian, Carroll University

**E. End User Tools & Services:** How do we get retractions and other post-publication updates into the workflow of end users?

- a. Google Doc
- b. Group
  - i. Michele Avissar-Whiting, Editor in Chief, Research Square
  - ii. Josh Greenberg, Program Director, Alfred P. Sloan Foundation
  - iii. Karen Hanus, Director, Advocate Aurora Library, St. Luke's Medical Center
  - iv. Tom Heyman, Assistant Professor, Social and Behavioural Sciences, Leiden University
  - v. Josh Nicolson, Co-founder and CEO scite
  - vi. Elizabeth Suelzer, User Education and Reference Librarian, Medical College of Wisconsin
  - vii. Nicole Theis-Mahon, Liaison Librarian & Health Sciences Collection Coordinator, Health Sciences Library University of Minnesota

**F. Standards Development Process:** What standards development process will help stakeholders agree on the problems posed and then reach consensus on approaches and potential solutions?

- a. Google Doc
- b. Group
  - i. IJsbrand Jan Aalbersberg, Chair of the Standards and Technology Executive Committee of STM; SVP Research Integrity, Elsevier

- ii. Elisabeth Bik, Microbiome and Science Integrity consultant
- iii. Katie Funk, Program Manager, PubMed Central
- iv. Dan Kulp, Director, Editorial Development for the journals of the American Chemical Society
- v. Christopher Lehmann, Research Integrity Officer, University of Illinois, Urbana-Champaign
- vi. Michael Markie, Publishing Director, Life Sciences, F1000
- vii. Alice Meadows, Director of Community Engagement, NISO
- viii. Katrina Pickersgill, Executive Peer Review Manager, SAGE Publications, Ltd.

**G. Taxonomy Requirements:** In order to implement a taxonomy (of retraction or of post-publication updates) what needs to be true of the taxonomy? What is needed for its successful adoption across scientific publishing?

- a. Google Doc
- b. Group
  - i. Geoff Bilder, Director of Technology and Research, Crossref
  - ii. Helena Cousijn, Community Engagement Director, DataCite
  - iii. Nicholas DeVito, Doctoral Researcher, EBM DataLab, University of Oxford
  - iv. David Gillikin, Chief, Bibliographic Services Division, National Library of Medicine
  - v. Annette Flanagan, Executive Managing Editor and Vice President, Editorial Operations, JAMA and The JAMA Network, and Executive Editor, JAMAevidence
  - vi. Laura Paglione, Project Lead, Metadata2020
  - vii. Eefke Smit, Director of Standards and Technology, International Association of STM Publishers

## **BREAK - 15 MINUTES**

6:50-7:05 AM (PT) | 7:50-8:05 AM (MT) | 8:50-9:05 AM (CT) | 9:50-10:05 AM (ET) | 2:50-3:05 PM (UK) | 3:50-4:05 PM (CET)

## **Min Specs (Continue in same breakout groups, 30 min)**

7:05-7:35 AM (PT) | 8:05-8:35 AM (MT) | 9:05-9:35 AM (CT) | 10:05-10:35 AM (ET) | 3:05-3:35 PM (UK) | 4:05-4:35 PM (CET)

In the same groups from Part I, using the same Google Doc:

1. Quickly generate a list of all the must-dos and must-not-do's that should be considered to achieve a successful outcome to the proposed actions in the first session. (5-10 min)
2. Reduce the list to the absolute minimum by dropping anything that is not absolutely essential. Ask "If we violated this spec, could we still achieve our purpose?" If the answer is "yes" - drop it. (20 min)

### **BREAK - 15 MINUTES**

7:35-7:50 AM (PT) | 8:35-8:50 AM (MT) | 9:35-9:50 AM (CT) | 10:35-10:50 AM (ET) | 3:35-3:50 PM (UK) | 4:35-4:50 PM (CET)

### **What? So What? Now What? Debrief (Plenary, 40 min)**

7:50-8:30 AM (PT) | 8:50-9:30 AM (MT) | 9:50-10:30 AM (CT) | 10:50-11:30 AM (ET) | 3:50-4:30 PM (UK) | 4:50-5:30 PM (CET)

1. What? What happened in the small group discussions? What did you notice, what stood out?
2. So What? Why is this important? Where is there consensus? What solutions have enough support to be feasible?
3. Now What? What actions make sense? What solutions should we as a group consider? What are the next steps?

### **BREAK - 15 MINUTES**

8:30-8:45 AM (PT) | 9:30-9:45 AM (MT) | 10:30-10:45 AM (CT) | 11:30-11:45 AM (ET) | 4:30-4:45 PM (UK) | 5:30-5:45 PM (CET)

## 15% Solution (Individual brainstorming & small breakout group discussions, 45 min)

8:45-9:30 AM (PT) | 9:45-10:30 AM (MT) | 10:45-11:30 AM (CT) | 11:45 AM-12:30 PM (ET) | 4:45-5:30 PM (UK) | 5:45-6:30 PM (CET)

STRUCTURE: “What is your 15 percent? Where do you have discretion and freedom to act? What can you do without more resources or authority?”

1. 5 minutes alone to generate your own list
2. Individuals share their ideas with the small group one at a time (3 min each)
3. Group members provide a consultation to one another - asking clarifying questions and offering advice (5-7 min per person)
4. Share in Google Doc:

### GROUPS:

1. **IJsbrand Jan Aalbersberg**, Elsevier; **Katie Funk**, PubMed Central, **Hannah Heckner**, Silverchair.
2. **Helena Cousijn**, DataCite; **Ashley Farley**, Bill & Melinda Gates Foundation; **Elizabeth Suelzer**, Medical College of Wisconsin; **John Willinsky**, Stanford University & Public Knowledge Project.
3. **Annette Flanagan**, JAMA and The JAMA Network; **Josh Greenberg**, Alfred P. Sloan Foundation; **Joerg Heber**, PLOS and PLOSOne; **Eefke Smit**, International Association of STM Publishers.
4. **Dan Kulp**, American Chemical Society; **Alice Meadows (part of this time)**, NISO; **Ivan Oransky**, Retraction Watch; **Sarah Robbie**, Taylor and Francis; **Pam Ronald**, UC Davis.
5. **Elisabeth Bik**, Microbiome and Science Integrity consultant; **Deborah Poff**, COPE; Stacey Lavelle, Aries Systems Corporation; **Randy Townsend**, American Geophysical Union.
6. **Lisa Bero**, University of Colorado Anschutz Medical Campus; **Capt Stephen Gonsalves**, US Office of Research Integrity; **Christopher Lehmann**, University of Illinois, Urbana-Champaign.
7. **David Gillikin**, National Library of Medicine; **Francesca Grifo**, Environmental Protection Agency; **Aaron Manka**, National Science Foundation; **Kathrin McConnell**, FDA Library.
8. **Caitlin Bakker**, Health Sciences Library Univ of Minnesota; **CK Gunsalus**, University of Illinois; **Kathryn Kaiser**, University of Alabama Birmingham; **David Moher**, Ottawa Hospital Research Institute.
9. **Nicholas DeVito**, University of Oxford; **Dmitry Malkov**, Sussex University; **Josh Nicholson**, scite; **Laura Paglione**, Metadata2020.
10. **Michele Avissar-Whiting**, Research Square; **Geoff Bilder**, Crossref; **James Leung**, Clarivate Analytics; **John Seguin**, Third Iron LLC.
11. **Daniele Fanelli**, London School of Economics and Political Science; **Tom Heyman**, Leiden University; **Katrina Pickersgill** SAGE Publications, Ltd.; **Nicole Theis-Mahon**, University of Minnesota.
12. **Stephanie Boughton**, Cochrane; **Patricia Feeney**, Crossref; **Stacey Lavelle**, Aries Systems Corporation; **Michael Markie**, F1000.
13. **Elsa Alvaro**, Northwestern University Libraries; **Karen Hanus**, Advocate Aurora Library; **Barbara Ruggeri**, Carroll University.

**Wrap up and looking ahead to Day 3 (Plenary, 20 min)**

9:40-10:00AM (PT) | 10:40-11:00 AM (MT) | 11:40 AM-12:00 PM (CT) | 12:40-1:00 PM (ET) | 5:40-6:00 PM (UK) | 6:40-7:00 PM (CET)