Preprints are a boon for research integrity!

Deborah Sweet

VP of Editorial, Cell Press/Elsevier

Record of form that precedes peer review

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Cytoplasmic import and processing of mRNA amplify transcriptional bursts accounting for the majority of cellular noise

Maike M. K. Hansen, Ravi V. Desai, Michael L. Simpson, Leor S. Weinberger

doi: https://doi.org/10.1101/222901

Now published in *Cell Systems* doi: 10.1016/j.cels.2018.08.002

Abstract | Full Text | Info/History | Metrics | Previev

Received: April 18, 2018
Revised: June 14, 2018
Accepted: August 2, 2018
Published: September 19, 2018

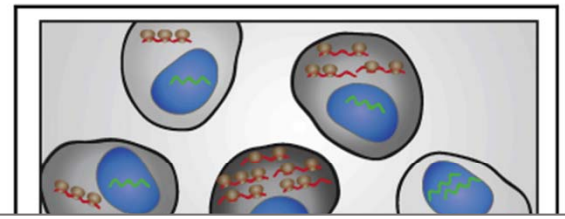
Cell Systems

19 Sep 2018

Article

Cytoplasmic Amplification of Transcriptional Noise Generates Substantial Cell-to-Cell Variability

Graphical Abstract



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In Brief

CellPress

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Peer Review

Evaluation of Hansen et al.: Nuance Is Crucial in Comparisons of Noise

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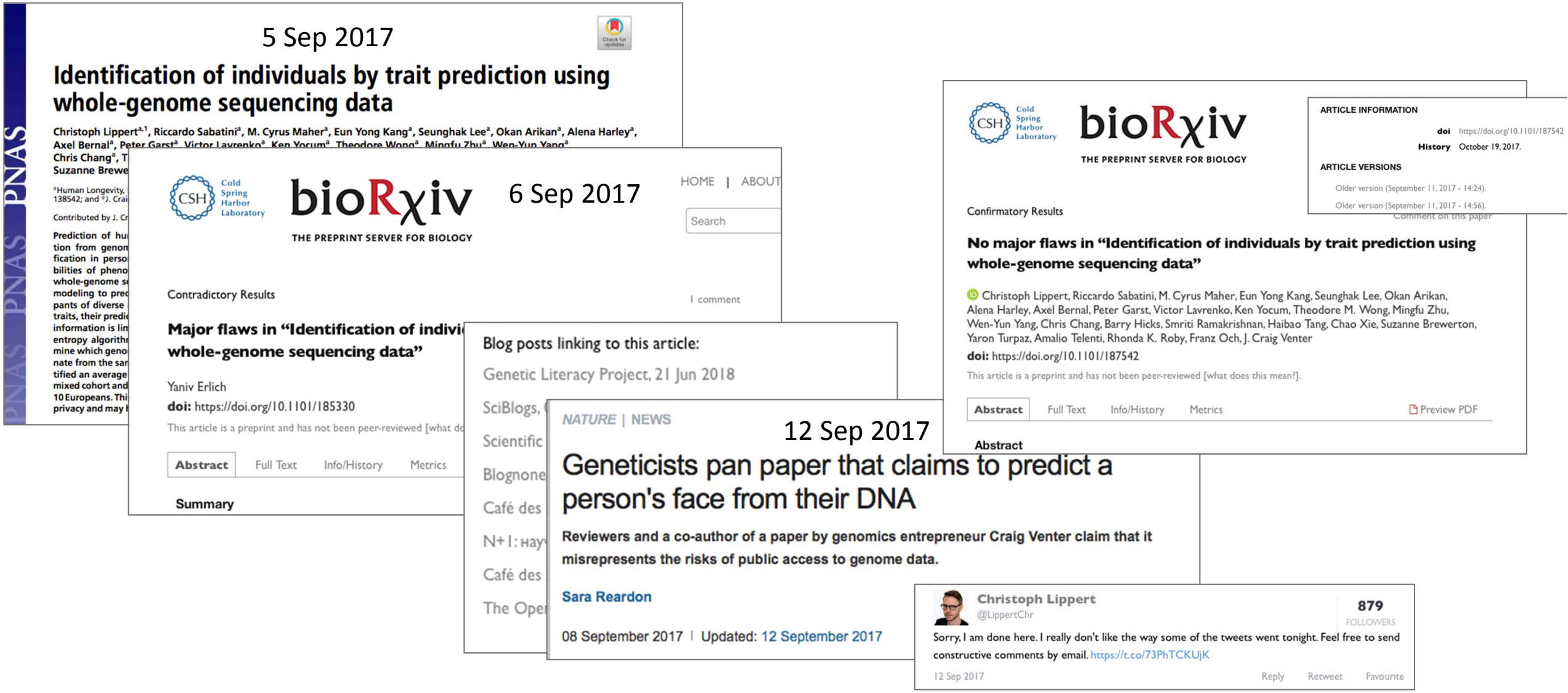
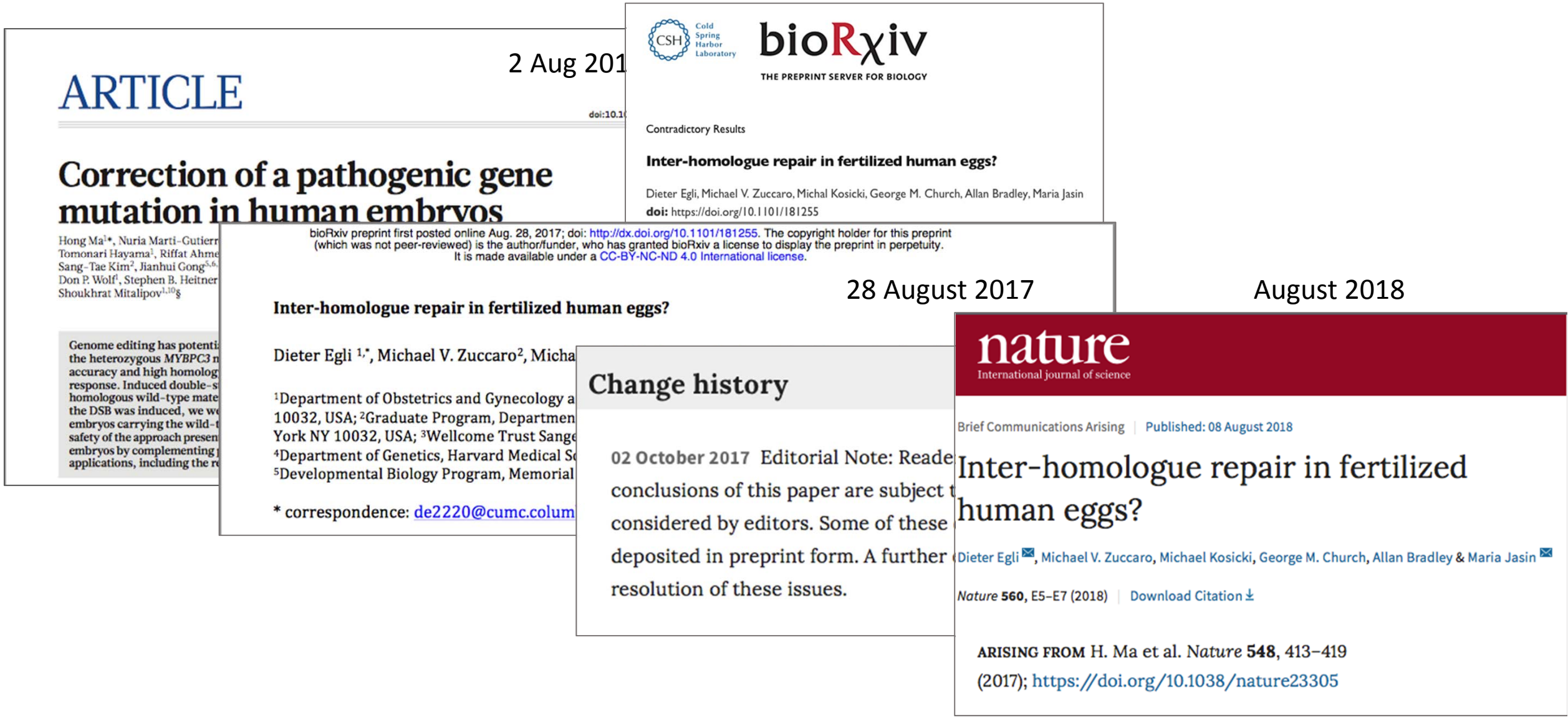
https://doi.org/10.1016/j.cels.2018.10.003

One snapshot of the peer review process for "Cytoplasmic Amplification of Transcriptional Noise Generates Substantial Cell-to-Cell Variability" (Hansen et al., 2018).

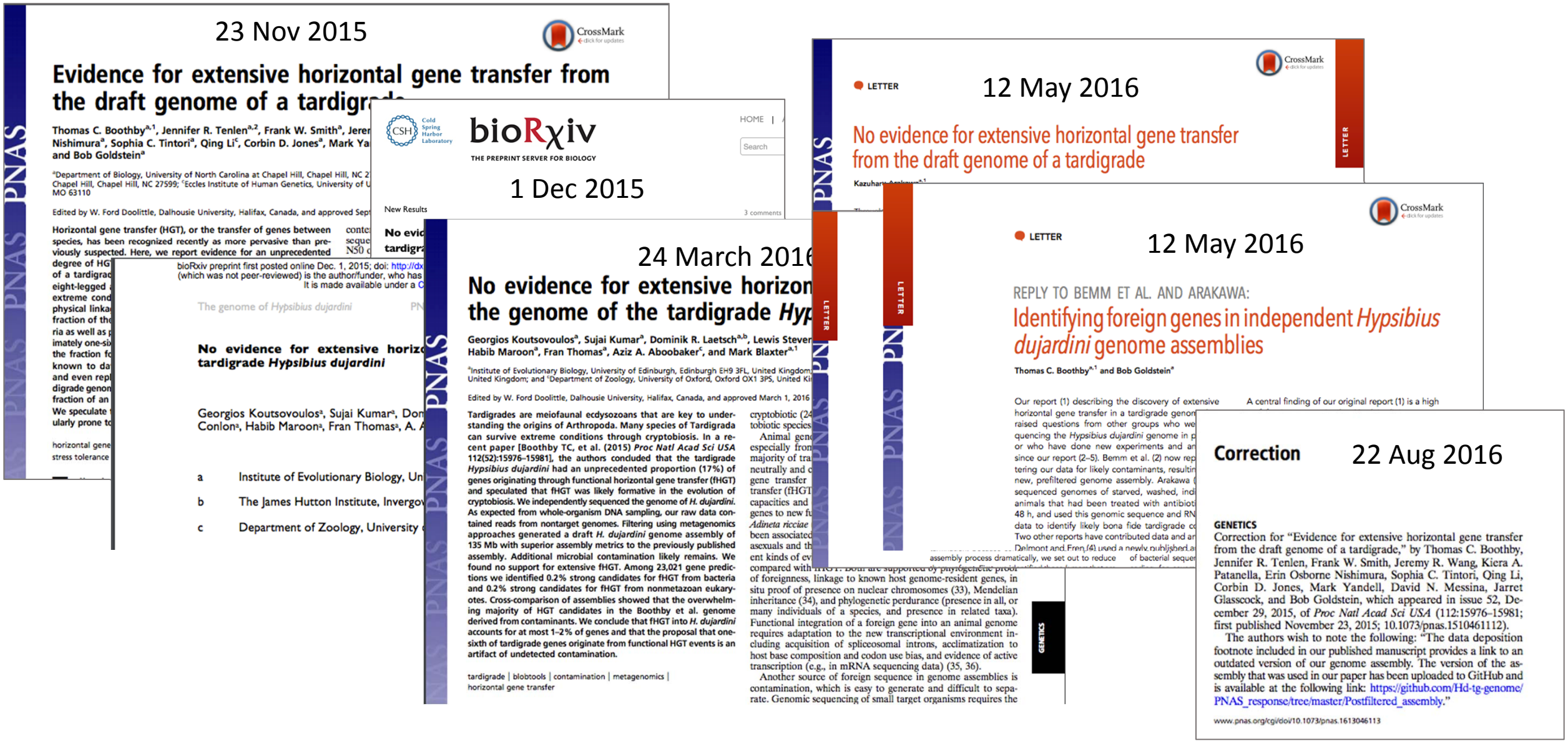
Countering criticism & adjusting claims



Rapid communication of contradictory results



Rapid highlighting of data problems



Think of all the things preprints can do….

1. Record what a paper was like before peer review
2. Allow authors to counter criticism/respond to discussion
3. Speedy communication of contradictory results
4. Highlighting problems with data/analysis
5. **Helping authors refine their paper before they formally submit**
6. **Giving a home to negative results**
7. **Validation and confirmation of results**

Think about a paper you know that turned out to be problematic.

Would that situation have been different if the paper had been put out as a preprint first?