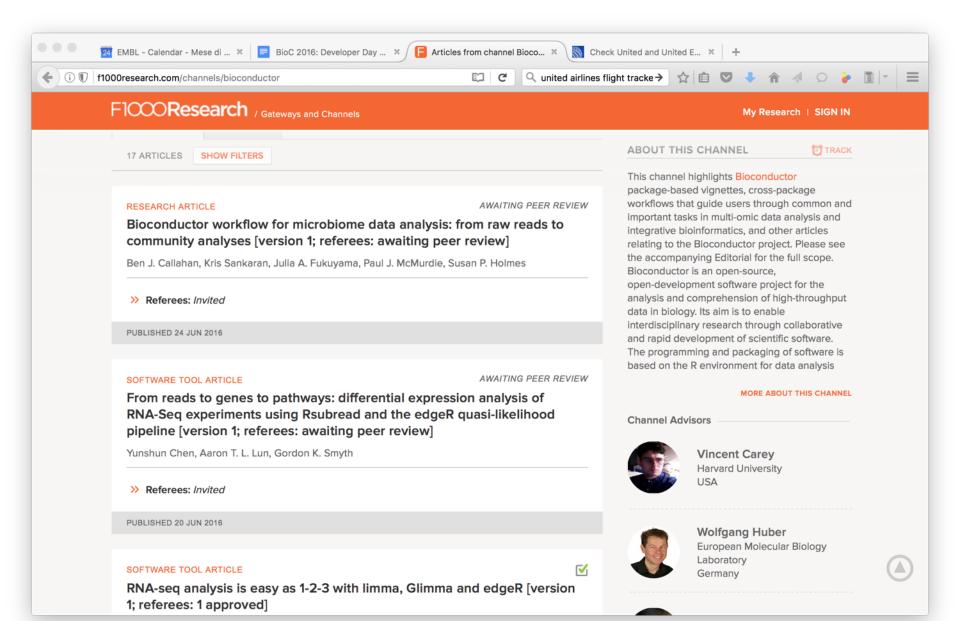
# The Bioconductor channel in F1000Research



# Bioconductor channel in F1000Research

### Started in the autumn of 2015

# A place for

 task-oriented end-to-end workflows — these invoke resources from several packages by different authors

## as well as

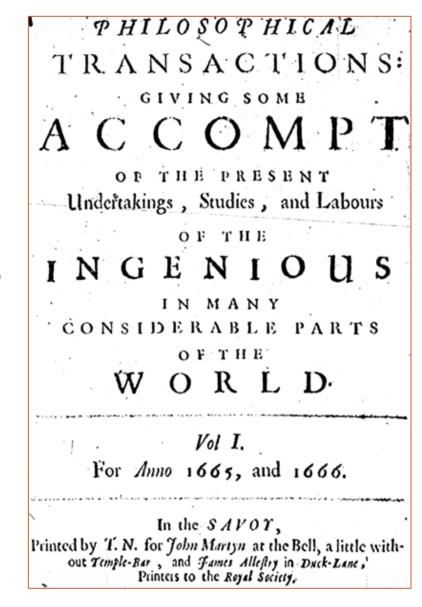
other articles relating to the Bioconductor project.
For example software papers on a single package

http://f1000research.com/channels/bioconductor

# What is F1000Research?

#### PUBLISHING AND PEER REVIEW

- First scientific journals were not peer reviewed.
- Peer review was introduced later, and developed as a method to select what is fit to print in limited available space.
- Journals as gatekeepers.
- Current popular system of peer review dates from mid-twentieth century.



#### PAINFUL PUBLISHING



Published online 27 April 2011 | *Nature* **472**, 391 (2011) | doi:10.1038/472391a

Column: World View

# End the wasteful tyranny of reviewer experiments



Peer review of scientific papers in top journals is bogged down by unnecessary demands for extra lab work, argues Hidde Ploegh.

Hidde Ploegh

Submit a biomedical-research paper to *Nature* or other high-profile

"...what is in the paper is fundamentally the responsibility of the authors, not of the reviewers. "

**Nobel Laureate Robert Horvitz** 

#### Science The World's Leading Journal of Original Scientific Research

Science 4 July 2008: Vol. 321 no. 5885 p. 36 DOI: 10.1126/science.321.5885.36a

LETTERS

#### **Painful Publishing**

Biomedical science has never been more exciting or productive Research tools have become increasingly powerful, and progres continues to accelerate. Yet, these are stressful times for many biomedical scientists, because competition for grant support, journals in the most prestigious journals is also accelerating. stress associated with publishing experimental results—a procurant take as long as obtaining the results in the first place—can much of the joy from practicing science.



Who is reviewing your paper?

What you can do about it and what we are doing about it

Comment

Journal of **Biology** 

Are we training pit bulls to review our manuscripts? Virginia Walbot

#### WHAT IS F1000RESEARCH?

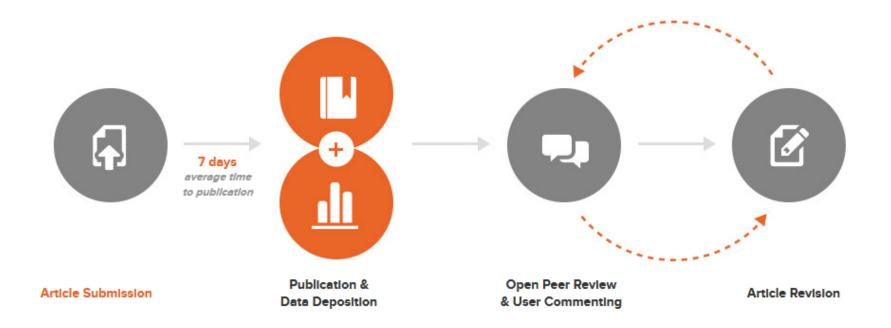
# **Open Science Publishing Platform**

**Scope:** all research – big and small – across the life sciences and medicine

- Immediate publication
- Transparent refereeing
- No editorial bias
- All source data included
- Indexed in PubMed



#### F1000RESEARCH: POST-PUBLICATION PEER REVIEW



- Author-driven process: *F1000Research* articles are published online after an in-house pre-refereeing check
- Peer review and revisions are open
- Invited referees judge whether the work is scientifically sound
- Articles with sufficient positive referee reports are indexed in PubMed

#### POST-PUBLICATION PFFR REVIEW



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F1000Research » Articles

SOFTWARE TOOL ARTICLE

FORGE: A tool to discover cell specific enrichments of GWAS associated SNPs in regulatory regions [v1; ref status: awaiting peer review, http://f1000r.es/4ze]

Ian Dunkam, Eugene Kulesha, Valentina lotchkova, Sandra Morganella, Ewan Birney

- Author affiliations
- Grant information

#### Abstract

Genome Wide Association Studies (GWAS) provide an unbiased discovery mechanism for numerous Email human diseases. However, a frustration in the analysis of GWAS is that the majority of variants discovered do not directly alter protein-coding genes. We have developed a simple analysis approach Share that detects the tissue-specific regulatory component of a set of GWAS SNPs by identifying enrichment of overlap with DNase I hotspots from diverse tissue samples. Functional element Overlap analysis of the Results of GWAS Experiments (FORGE) is available as a web tool and as standalone software and provides tabular and graphical summaries of the enrichments. Conducting FORGE analysis on SNP sets for 260 phenotypes available from the GWAS catalogue reveals numerous overlap enrichments with tissue-specific components reflecting the known aetiology of the phenotypes as well as revealing other unforeseen tissue involvements that may lead to mechanistic insights for disease.



#### Open Peer Review

Referee Status: AWAITING PEER REVIEW

#### Discuss this article

Comments (0)

Add a Comment

#### Articles that may interest you

#### RESEARCH ARTICLE



REVISED From zebrafish heart jogging genes to mouse and human orthologs; using Gene Ontology to investigate mammalian heart development. [v2; ref status: indexed, http://f1000r.es/2ys]

#### SOFTWARE TOOL ARTICLE



Enrichment Map - a Cytoscape app to visualize and explore OMICs pathway enrichment results [v1; ref status: indexed, http://f1000r.es/3qs]

#### TRANSPARENT PEER REVIEW

Referee Report 09 May 2014

Referee names are visible

Christine Mummery Department of Anatomy and Embryology, Leiden University Medical Center, Leiden, Netherlands

✓ Approved

The authors describe their attempt to reproduce a study in which it was claimed that mild acid treatment was sufficient to reprogramme postnatal splenocytes from a mouse expressing GFP in the oct4 locus to pluripotent stem cells. The authors followed a protocol that has recently become available as a technical update of the original publication.

They report obtaining no pluripotent stem cells expressing GFP driven over the same time period of several days described in the original publication. They describe observation of some green fluorescence that they attributed to autofluorescence rather than GFP since it coincided with PI positive dead cells. They confirmed the absence of oct4 expression by RT-PCR and also found no evidence for Nanog or Sox2, also markers of pluripotent stem cells.

• • •

I have read this submission. I believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard.

Competing Interests: No competing interests were disclosed. Close

Author Response 12 May 2014

**Kenneth Lee**, School of Biomedical Sciences, Chinese University of Hong Kong, Hong Kong Professor Mummery has provided some excellent suggestions for changes to improve the paper. We will try our best and accommodate her requests 1-3 by doing some new additional experiments.

Request 4 ... Continue reading

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#### REFEREE SCORES



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Not approved

Articles with sufficient positive evaluations are indexed in PubMed, Scopus, and Embase





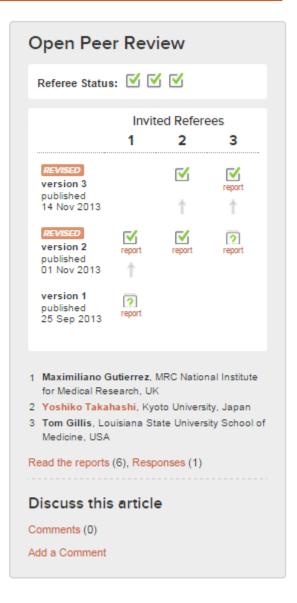
or







Articles that haven't yet reached this threshold can be revised and re-reviewed (no time limit)



#### **VERSIONS: LIVING ARTICLES**

F1000Research articles can always be updated, even after being indexed.

Amended papers have one of two possible labels:

REVISED Authors amended their article in

response to referee or community

feedback

Authors updated the article

following minor developments (e.g.

software updates)

Especially useful for software tools, systematic reviews, etc.

ensures article remains up-to-date;

better reflects the pace of research

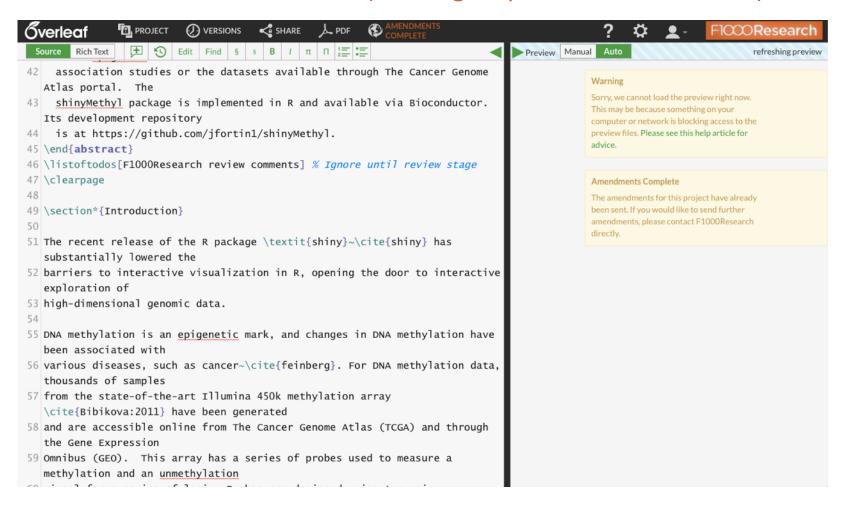
Each version is independently citable yet linked

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'Track' option



### OVERLEAF: Online Latex editor (working on process for workflows)









# Call for Contributions