

Moving beyond research journals: new ways to share research

超越期刊：共享研究的新形态

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Taylor & Francis Group

F1000Research



Taylor & Francis Group
an informa business

今年**7**月，**Taylor & Francis** 与北京大学图书馆签署了包括科技人文、医学期刊库和专家期刊库期刊，共**2193**种期刊，及**181**种**OA**期刊的长期保存协议



点燃火炬 照耀人群

Time to evolve the scholarly communication system

是时候推进科学交流方式进行演变了

- Much research is behind paywalls
- Long delays in sharing new findings
- Biases and conflicts in anonymous editorial decisions
- Lack of data supporting the findings → hard to verify & reuse
- Much good research never published → skews our understanding
- Significant research waste
- 很多科研论文被挡在“付费墙”外
- 分享新发现的漫长拖延
- 匿名评审中出现的偏见与利益冲突
- 缺乏数据支持的发现---难以验证和重复利用
- 很多优秀研究从未被发表
- 大量的科研经费浪费

Desirable features of a scholarly communication system

理想的科学交流体系的特征

- **Rapid access to new knowledge:** without delay
- **Access and reuse:** openly accessible, text and data mineable
- **Minimise reporting & publication bias, and research waste:** share all research findings
- **快速获取新知识:** 研究团体应该可以获取和查看新发现，无延迟
- **获取与重复利用:** 科研发现应该具有开放式的可获取性，文本和数据可以进行挖掘
- **减少报告和出版物的偏见，减少科研浪费:** 研究人员应该可以分享所有研究成果

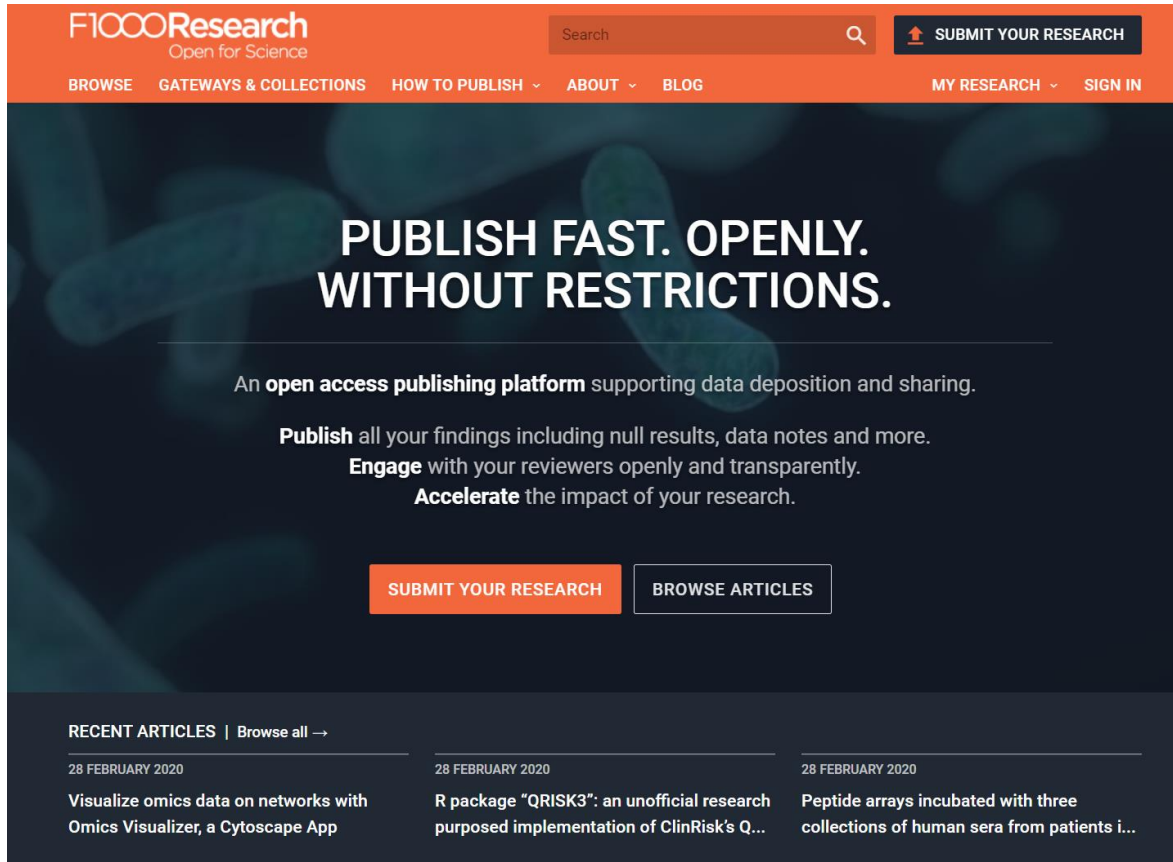
Desirable features of a scholarly communication system

理想的科学交流体系的特征

- **Support verification and reuse:** data underpinning findings should be *FAIR*
 - **Transparency, fairness and accountability of reviewers**
 - **Holistic research evaluation system:** research judged according to its intrinsic value
-
- **支持验证与再利用:** 研究数据应该公正: 数据尽可能的公开
 - **同行评审的透明性, 公正性和可靠性:** 同行评审应该尽量透明, 审稿人的贡献应该获得认可
 - **透过内在价值来评估科研成果:** 应该提供一系列定性和定量指标供使用

Introducing F1000Research

关于F1000Research



Launched in 2013

成立于2013年

Open research publishing platform for scientists, scholars and clinicians

科学家、学者和临床从业人员的开放研究出版平台

Aim to rethink and evolve scholarly communication system

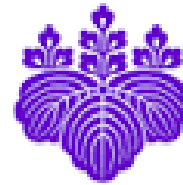
旨在重塑和演化学术沟通系统

Working in partnership with funding agencies, academies and institutions

与赞助机构、院校和科研院所保持紧密合作

F1000Research的合作伙伴

BILL & MELINDA
GATES foundation



筑波大学
University of Tsukuba



European Commission

GODAN
Global Open Data
for Agriculture & Nutrition



amrc
ASSOCIATION OF MEDICAL RESEARCH CHARITIES



合作伙伴

4,600+



研究机构

100%



常青藤联盟大学

11,800+



来自超过131个国家的作者

94%



英国、加拿大和澳大利亚的
顶级研究型大学

F1000 Research: Preprints + Journal-like model

F1000 Research: 预印本+类期刊模式

Submission and preprint-like stage
Open Access

投稿与类预印本阶段开放获取



Broad range of article types:
广泛的文章类型:

Research Articles 研究性文章
Data Notes 数据标注
Software Tools 软件工具
Methods Articles 方法论文章
Systematic Reviews etc 系统性综述等

Data accessible
数据可访问
Attention & usage
metrics available
提供使用指标

Formal *invited* peer review
Indexing in bibliographic databases
正式邀请的同行评审——索引数据库



Review status 评审状态:

Approved



Approved with reservations



Not approved



Key features of publishing model 出版模型的关键特点

The screenshot shows the F1000Research article page. The article title is "Delayed administration of recombinant plasma gelsolin improves survival in a murine model of severe influenza [version 2; peer review: 2 approved]". The authors are Zhiping Yang¹, Alice Bedugnis¹, Susan Levinson², Mark DiNubile², Thomas Stossei^{2*}, Qian Lu¹, and Lester Kobzik¹. The article is marked as "REVISED". The abstract states: "Background: Host-derived inflammatory responses contribute to the morbidity and mortality of severe influenza, suggesting that immunomodulatory therapy may improve outcomes. The normally circulating protein, human plasma gelsolin, is available in recombinant form (rhu-pGSN) and has beneficial effects in a variety of pre-clinical models of inflammation and injury. Methods: We evaluated delayed therapy with subcutaneous rhu-pGSN initiated 3 to 6 days after intra-nasal viral challenge in a mouse model of Influenza A/PR/8/34. Results: Rhu-pGSN administered starting on day 3 or day 6 increased survival (12-day survival: 62 % vs 39 %, pGSN vs vehicle; p < 0.00001, summary of 18 trials), reduced morbidity, and decreased pro-inflammatory gene expression. Conclusions: Rhu-pGSN improves outcomes in a highly lethal influenza model when given after a clinically relevant delay." The article is included in the "Disease Outbreaks" gateway. The right sidebar shows the "Open Peer Review" section with "Reviewer Status" as two green checkmarks, "Reviewer Reports" for two reviewers, and "Comments on this article" with "All Comments (0)".

Publish a wide range of articles types beyond traditional research articles including data notes, research protocols, software tools

发表各种类型的文章，除了传统的研究文章，还包括数据笔记、研究协议、软件工具等。

Open Access – all content CC-BY, Plan S compliant, citable, indexed

开放获取 – 所有内容使用知识共享许可协议(CC-BY)、与Plan -S计划要求一致、可引用、且被收录

Mandatory FAIR data policy – CC0 / CC-BY ‘*as open as possible, as closed as necessary*’

强制FAIR数据政策 – CC0/CC-BY 文章数据尽可能公开，必要情况下不公开

Fully, open transparent peer review – invited peer review, open identities, ORCID IDs

完全公开透明的同行评议过程 – 邀请制同行评议，身份公开，使用ORCID

Living and interactive figures – can be supported and visualised as part of the article

动态数据交互 – 作为文章的一部分实现可视化，有效支撑论文

Continuous publishing – linked versions for revisions and updates

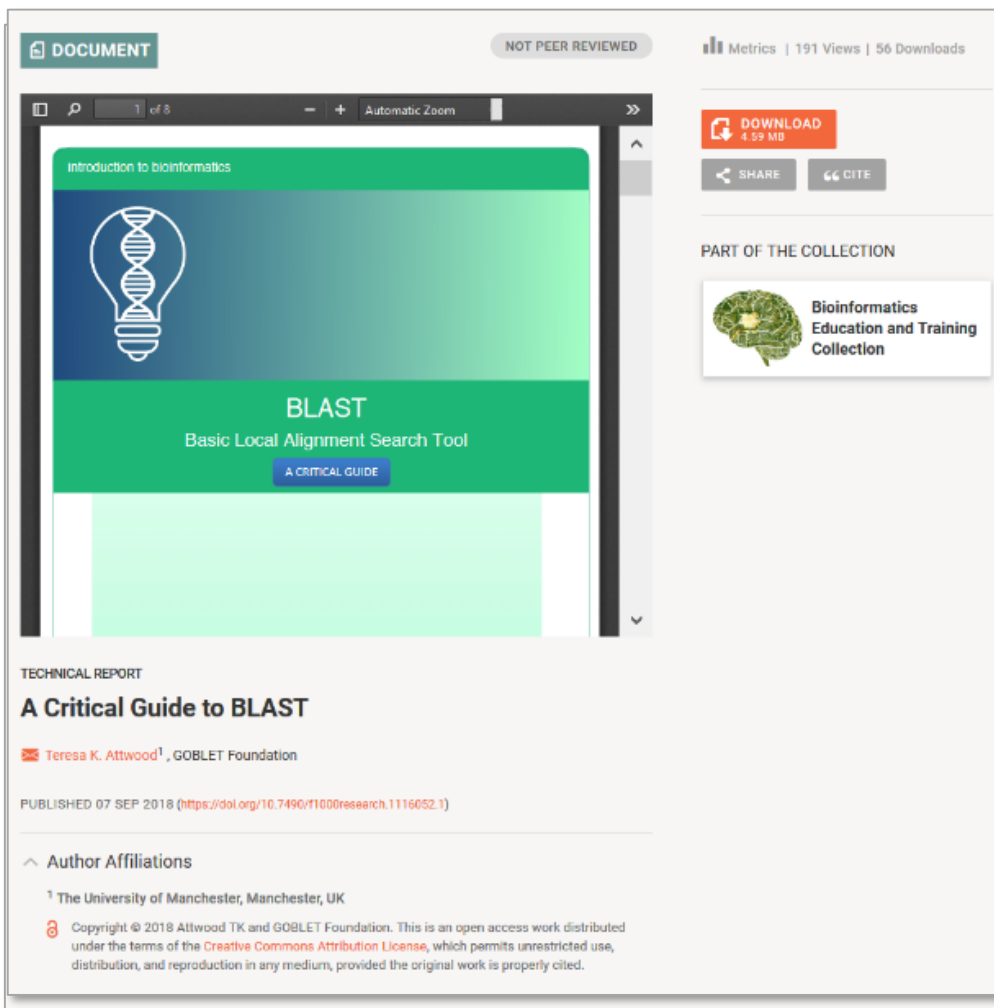
连续出版 – 用于修改和更新相关联版本

Article-based citation and attention metrics

基于单篇文章的引用和被关注指标

Elevating the status of other research output

提升其他类型研究成果的地位



Elevates the status of research-related content
提高研究相关内容的地位

Supports move towards more holistic view of research outputs (e.g. DORA)
支持更综合地评估研究成果(例如DORA)

Documents: range of types: Technical reports; Policy guidelines; Briefings; Factsheets; Impact reports; Training materials etc
文件：类型：技术支持文件、政策指南、影响力报告、培训材料等

Publishing services applied:
出版服务

- editorial checks prior to publication 编辑在出版前进行检查
- content is **Open Access** – default CC-BY 内容开放获取 – 默认为CC-BY
- content gets a **unique (DOI)** 内容有独立DOI
- **usage metrics** – views, downloads 用量指标 – 浏览数、下载数
- commenting functionality support **engagement & discussion** 评论功能支持互动和讨论

Transparent peer review and discussion

透明的同行评审与讨论

MY ACCOUNT ▾ SIGN IN

< Back to all reports

Reviewer Report

05 Dec 2016 | for Version 1

Damien Hermand, Namur Research College, The University of Namur, Namur, Belgium

Olivier Finet, Namur Research College, The University of Namur, Namur, Belgium

Carlo Yague-Sanz, Namur Research College, The University of Namur, Namur, Belgium

125 Views

Cite this report

Responses (1)

< Back to all reports

Responses (1)

AUTHOR RESPONSE 03 Jan 2017

Jürg Bahler, University College London, London, UK

We thank the reviewers for their helpful and constructive comments. Below we provide a point-by-point response to the specific issues raised (pasted in italic).

- In Figure 2, in « Table », the « numbers on the right » may be explained with a simple sentence. Also, the naming « Table » seems a bit odd.

We have changed the title of this Table to 'Suggested sgRNAs' in both the web tool and in Figure 2. In the figure legend, we have also provided an explanation for the numbers on the right of the table.

- The colour code used in Figures 3 and 4 is different for the sg primers, which may be misleading to some readers.

We have now modified Figure 4 to match the color of the sgRNA primers with the ones in Figure 3.

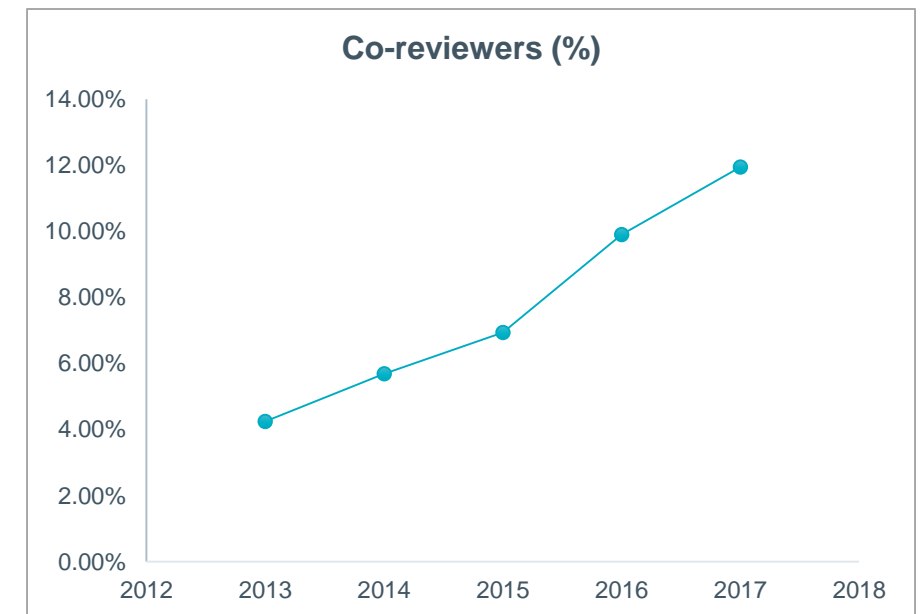
- In Figure 5, the red arrows do not seem to point to anything while supposed to highlight small colonies. Maybe using red circles will be better.

We want to highlight the very smallest colonies because these are the most likely to be correct. In the screen version of the figure, these colonies are visible. We have increased the contrast to better visualize these colonies and now highlight small colonies using red circles as suggested.

- Figure 6 is not easy to understand. According to Figure 6A, there are 29 deletions with a percentage of successful deletions between 0 and 10% while the legend of Figure 6B

Reviewers 审稿人:

- get credit for contributing to discussion
因参与讨论获得赞誉
- focus on helping authors improve their work
专注在帮助作者改进研究工作
- good training for Early Career Researchers
对研究人员的早期研究生涯是很好的训练



F1000Research publishing: a diversity of output

Original research publishing
Peer reviewed

The screenshot shows the F1000Research article page. The article title is "Benchmarking of long-read assemblers for prokaryote whole genome sequencing [version 2; peer review: 4 approved]". The authors are Ryan R. Wick, Kathryn E. Holt. The article has 2902 views and 458 downloads. The abstract discusses the background, methods, results, and conclusions of the study. The "Open Peer Review" section shows the reviewer status and reports.

Open Peer Review

Reviewer Status: [4 green checkmarks]

Reviewer Reports:

	1	2	3	4
Version 2 (update) 22 Apr 20				
Version 1 23 Dec 19	read	read	read	read

Authors: 1. Aleksey Zimin, Johns Hopkins University, Baltimore, USA; 2. Robert Vaser, University of Zagreb, Zagreb, Croatia; 3. Mile Šikić, University of Zagreb, Zagreb, Croatia; 4. Olin Silander, Massey University Auckland, North Shore, New Zealand.

Other research-based content
Not peer reviewed

Documents

The document cover features a photograph of three women in a rural setting, one carrying a large bundle of sticks on her back. The title is "Building Knowledge Systems in Agriculture" with the subtitle "Five Key Areas for Mobilising the Potential of Extension and Advisory Services". It is a Position Paper dated June 2012. Logos for IFPRI and other organizations are at the bottom.

Slide Decks

The poster cover has a red header with the title "Implementation of the Robson classification of births, Dasht-e-Barchi Hospital, Afghanistan". It includes a photograph of a newborn baby. The poster lists authors, background, methods, results, and conclusions. It is a Scientific Days poster.

Posters

The slide deck cover features a photograph of a brain scan. The title is "Multi-Parameter Quantitative Brain Anatomy at 7 Tesla". The authors are Roy A.M. Haast, Dimo Ivanov, Giancarlo Valente, Elsa Formisano, and Kamil Uluoglu. It is a Maastricht University slide deck.

Pre-publication checks

Assessing originality, readability, author eligibility, and compliance with F1000Research's policies and ethical guidelines

Pre-publication checks ensure that the work:

- is original – not plagiarised
- at least one author is a qualified researcher/scholar
- meets research and publication standards, including ethical guidelines
- includes all underpinning methodological details and relevant data in accordance with the Open Data guidelines (with safeguards '*as open as possible as closed as necessary*')

Once an article passes the editorial checks the Article Processing Charge is due. Details at <https://f1000research.com/for-authors/article-processing-charges>



F1000Research

1. Mega Journal
2. Gateway
3. Platform

F1000Research

The background of the image is a dark, deep blue field populated with numerous out-of-focus, elongated, rod-shaped organisms in shades of teal and light blue, resembling microscopic bacteria or viruses.

**Publish fast. Openly.
Without restrictions.
快速、开放、无限制
进行出版**

F1000Research

学术机构的出版选择

Gateways

F1000Research Gateways是F1000Research出版平台上的一个开放研究出版中心，包含的功能可用于出版多种类型学术论文和其他研究相关产出。

Platforms

F1000Research Platforms是一个独立的开放研究出版平台，支持出版多种类型的学术论文和其他研究相关输出，每篇文章都会拥有唯一的Platform引用标识。F1000Research Platform完全由客户自主掌控，保证客户品牌导向，可定制服务，由F1000提供所有基础框架和编辑服务。

Open Research Platforms powered by F1000Research

由F1000Research开发、支持的开放研究平台



European Commission



BILL & MELINDA
GATES foundation



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Scholarly publishing 学术出版

- Post-publication peer review 出版后同行评议
- Open, invited peer review 公开，邀请同行评议
- Fully Open Access solution 完全开放获取解决方案

Publishing other content 出版其他内容

- Publish policy, technical and training reports and manuals 出版政策、技术和培训报告以及手册
- Checked by in-house Editorial Team, *not-peer-reviewed* 由内部编辑团队审查，*非同行评议*
- Opportunity to bring in other related published output 带来其他相关出版产出的机会

Supporting conferences, meetings and workshops 支持学术会议、研讨会和作坊

- Place for publication of posters, slide decks & meeting reports 可供出版海报、演示文档和会议报告的位置
- Online commenting functionality 线上评论功能

Why do funders/institutions set up a Platform?

为什么基金组织和科研机构需要建立一个平台？

- To **reduce research waste** – to provide a venue to enable researchers to share *all* their findings (in a Plan S-compliant way)
- To enable a **more holistic assessment** of their researchers' outputs
- To **reduce costs** (Wellcome's assessment shows 64% reduction in cost compared to what they pay to other Open Access publications)
- To **simplify the process** of publication for their researchers – so they can spend more time doing the actual research
- To support efforts to shift their organisation to more **open knowledge practices**
- **Fully customizable and controlled by the organisation**
- **减少科研浪费**-鼓励科研人员分享他们的全部科研成果
- 对其研究人员的科研产出进行**更综合的评估**
- **降低费用**（英国威康基金会评估显示，与支付给其他开放获取出版物相比，费用下降64%）
- **简化出版流程**-让研究人员花费更多时间在实际科研工作上
- 对机构**向知识开放实践**给予支持
- **机构可以充分定制和完全掌控**



Speed

Median time from submission to publication



Median time to passing peer review



Research outputs



Top article types




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[HOW TO PUBLISH](#)
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Authors

1300



Number of authors

10%


Number of repeat authors

450


Number of institutions represented

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Number of countries represented

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FILTERS ^

1-20 of 1,481 DOCUMENTS


Document type(s)

- Briefing
- Case study
- Contract Deliverable
- Discussion
- Grant report
- How-to guide
- Impact report
- Meeting Abstracts
- Meeting report

participation in addressing the urban sanitation crisis

David Auerbach, Ruthie Rosenberg, Isabelle Poulet, Sheila Kibuthu

PUBLISHED 11 FEB 2020

CASE STUDY

metrics

Case study: tobacco control policy adoption and implementation in Senegal

Beth Pulawski, Mamadou Bamba Sagna



Open Research Europe coming soon

欧洲开放研究即将上线

Platform for the European Commission for all Horizon 2020 grant beneficiaries (c€80bn of grant funding awarded)

欧盟委员会面向所有地平线2020年基金受益人的平台
(共800亿欧元基金资金)

Covers all disciplines 涵盖所有学科

Due to deliver in Q1 2021

预计2021年第一季度交付

F1000Research 技术特色和前景展望

- Pilot an open research platform **controlled by your institutions**
一个由您的大学或研究机构掌控的开放研究出版平台
- **Publishing option available for researchers:**
可供研究人员选择的出版选项:
 - open to all? 开放给所有人?
 - start with specific subjects or institutes? 指定学科和院所率先试点?
- **F1000Research would provide publishing services** – technology & editorial
F1000Research提供出版服务 — 技术层面和编辑层面
- Optional **Chinese language** publishing
可选择中文出版
- Provide you with a **domestic Chinese publication** with international influence
为您提供具有国际影响力的国内出版平台

Any questions?

问题与建议

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