Webinar: Scholarly Communication & COVID-19: Closing the Loop for Effective Peer Review

Today’s Presenters & Chairs:

- Sarah Greaves @SarahGreaves18
- Daniela Sarderi @Neurosarda
- Susanna-Assunta Sansone @SusannaASansone
- Monica Granados @monsauce
- Peter McQuilton @Drosophilic
- Catriona MacCallum @catmacOA
- Claire Redhead @OASPA

#C19RapidReview
Working together to maximize the impact of research

#C19RapidReview
A cross-publisher initiative
Responding to the COVID-19 challenge: First steps

- Introduced a fast-track publication process for COVID-19 research.
- Maximized availability of submitted papers via preprint servers.
- Agreed to transfer manuscripts among publishers.
I see scientific publishing as a collaborative effort to make a transformative impact on society.
The #C19RapidReview Initiative

- 9 publishers and organizations across the scholarly publishing industry.
  - Signed up to statement of intent: preprints, DAS & open abstracts
- Endorsed by OASPA and SSRN.
- A common database of rapid peer reviewers - rapid reviewer pool proposed by PeerJ.
- Reviews are portable between publishers.

- Call on reviewers to identify and highlight important preprints.
- Call on authors to use preprint servers.
- Call on publishers to encourage preprints and open data.

Support peer reviewers and ensure the widest and quickest dissemination of COVID-related quality content.
An overwhelmingly positive response from the research community

Over 1,500 researchers have signed up as rapid reviewers. The response has been global, with academics from over 85 countries adding their names to the list.
However, zero papers transferred so far. What is stalling the process?

What more can we do?

Maximize use of peer reviewers on PREreview to provide comments on preprints.

And then determine if we can use those to flag papers to relevant editors and journals for formal peer review.

Enforce data sharing for any published C19 paper from within the group - rather than encourage.
What have we learned from this process so far?

**Openness** is a necessity.

**Transparency** adds value.

**Community** fosters common goals.
Looking ahead to the future

Let’s make open, rapid, and transparent collaboration in academic publishing the norm.
Important information and contacts


**Media Contacts:**
UK – Fani Kelesidou, Hindawi ([fani.kelesidou@hindawi.com](mailto:fani.kelesidou@hindawi.com))
USA – Dan Morgan, PLOS ([dmorgan@plos.org](mailto:dmorgan@plos.org))

**Publishers Group contacts:**
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Phil Hurst, Royal Society ([phil.hurst@royalsociety.org](mailto:phil.hurst@royalsociety.org))

**OASPA contact:**
Claire Redhead, OASPA ([claire.redhead@oaspa.org](mailto:claire.redhead@oaspa.org))
Thank you

Connect with us on Twitter @Hindawi, @SarahGreaves18
or visit our website www.hindawi.com
OUTBREAK SCIENCE
Rapid PREreview

A platform for the rapid review of outbreak-related preprints

Daniela Saderi, Ph.D. & Monica Granados, Ph.D.
PREreview Leadership Team

OASPA Webinar: Scholarly Communication & COVID-19
June 24, 2020

@PREview_ | @outbreaksci
The content of this presentation can be found

https://tinyurl.com/ycroatbf

This presentation can be copied, adapted and reused according to CC BY 4.0 licence
COVID-19 preprints per week
(up until 2020-06-14)

* 'Other' refers to preprint repositories containing <30 total relevant preprints. These include: AfricArXiv (OSF), AgriXiv (OSF), BioHackrxiv (OSF), EarthArXiv (OSF), EcoEvoRxiv (OSF), EdArXiv (OSF), engrXiv (OSF), Frenxiv (OSF), INA-Rxiv (OSF), IndiaRxiv (OSF), LawArXiv (OSF), MediArXiv (OSF), NutriXiv (OSF), ScienceOpen, SportRxiv (OSF), Techxrv (IEEE).

Data collected and analysed by Dr. Nick Fraser (code available on this [GitHub repository](https://github.com) and [Figshare](https://figshare.com))
Data visualization improvements by Bianca Kramer
What if we could mobilize the expertise and knowledge of the community by making it easier to review preprints?
Our priority is to make **community rapid reviews** useful to researchers in a process that is rewarding to them.

We want it for this process to be fully integrated into a **transparent and equitable** system of scholarly peer review.
<table>
<thead>
<tr>
<th>Title</th>
<th>DOI</th>
<th>Date Published</th>
</tr>
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<tbody>
<tr>
<td>Hospital practice in COVID-19 times: Perceptions of the midwifery interns in Peru</td>
<td>medRxiv &gt; 10.1101/2020.06.05.20094482</td>
<td>Jun. 9, 2020</td>
</tr>
<tr>
<td>The expediency of local modelling to aid national responses to SARS-CoV-2.</td>
<td>medRxiv &gt; 10.1101/2020.05.27.20107656</td>
<td>Jun. 2, 2020</td>
</tr>
</tbody>
</table>
To log in to Outbreak Science Rapid PREreview you will need an ORCID ID.

Click below to sign in with your ORCID account, or create one if you don't have one.

I have read and agree to the Outbreak Science Rapid PREreview Code of Conduct.

Sign in with ORCID
Daniela Saderi

RAPID PREREVIEW IDENTIFIER
74dc14fa-3086-4333-8199-5a9686c81558

IDENTITY
Public

ORCID
0000-0002-8109-0387

MEMBER SINCE
Dec. 4, 2019

Activity

TOTAL NUMBER OF REQUESTS
1

TOTAL NUMBER OF REVIEWS
0

History

JAN. 24, 2020 REQUESTED FEEDBACK ON
Functional assessment of cell entry and receptor usage for lineage B β-coronaviruses, including 2019-nCoV
bioRxiv • 10.1101/2020.01.22.915688

0 Review 4 Requests
Preprints with reviews or requests for reviews

Review or request by preprint DOI or arXiv ID

Hospital practice in COVID-19 times: Perceptions of the midwifery interns in Peru

Jun. 9, 2020

The expediency of local modelling to aid national responses to SARS-CoV-2.

Jun. 2, 2020

Development and Evaluation of A CRISPR-based Diagnostic For 2019-novel Coronavirus

Feb. 25, 2020
User needs to paste the DOI or the arXiv ID of the preprint.
The expedience of local modelling to aid national responses to SARS-CoV-2.

Jun. 2, 2020
Preprints with reviews or requests for reviews

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Development and Evaluation of A CRISPR-based Diagnostic For 2019-novel Coronavirus
Feb. 25, 2020
medRxiv > 10.1101/2020.02.22.20025460

@PREreview_ | @outbreaksci
<table>
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</tbody>
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**Preprints with reviews or requests for reviews**

**Trending**

- Hospital practice in COVID-19 times: Perceptions of the midwifery intern in Peru
  - Jun. 9, 2020
  - DOI: 10.1101/2020.06.05.20094482

- The expediency of local modelling to aid national responses to SARS-CoV-2.
  - Jun. 2, 2020
  - DOI: 10.1101/2020.05.27.20107656

**Recently Reviewed**

- Development and Evaluation of A CRISPR-based Diagnostic For 2019-novel Coronavirus
  - Feb. 25, 2020
  - DOI: 10.1101/2020.02.22.20020540

**Recently Requested**

- Infectious disease search
  - COVID-19
  - Chikungunya
  - Cholera
  - SARS
  - Ebola
  - Hendra
  - HIV
  - Influenza
  - Lassa

@PREview_ | @outbreaksci
Hospital practice in COVID-19 times: perceptions of the midwifery interns in Peru

Jessica Rojas-Silva 1, Valery Damacen-Oblitas 1, Diayan Castro-Gomez 1, Jennifer Rojas-Vega 1, John Barja-Ore 2, Randol Vila-Arevalo 2, Victor Moquilla-Alcantara 3

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Hospital practice in COVID-19 times: perceptions of the

Jessica Rojas-Silva
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Does the manuscript include new data? Yes No N.A. Unsure

Are the data used in the manuscript available? If yes, please paste the link to the data in the box below.

Links to the data used in the manuscript
Hospital practices in COVID-19: the perspectives of the...
Possibility of Disinfection of SARS-CoV-2 (COVID-19) in Human Respiratory Tract by Controlled Ethanol Vapor Inhalation

Tsunoru Shintake
Professor in Physics at OIST Graduate University
Okinawa Institute of Science and Technology Graduate University
1919-1 Tuncha, Onna-son, Kunigami-gun, Okinawa, Japan 904-0495

Viruses such as SARS-CoV-2 and Influenza are lipophilic, enveloped viruses, and are relatively easy to inactivate by exposure to alcohols. The envelope mainly consists of the lipid bilayer, taken from the host cells at assembly/budding stage of the viral life cycle. Therefore the constitution of the lipid bilayer should be common in all SARS, MERS and influenza viruses, even after mutations, and thus these closely-related viruses will be disinfect by exposure to ethanol with the same concentration. Existing experimental data indicate that an ethanol concentration of 30–40 v/v% is sufficient to inactivate Influenza-A viruses in solution[1,2,3].

The author suggests that it may be possible to use alcoholic beverages of 16–20 v/v% concentration for this disinfection process, such as Whisky (1:1 hot water dilution) or Japanese Sake, because they are readily available and safe (non-toxic). By inhaling the alcohol vapor at 50–60°C (122–140°F) through the nose for one or two minutes, it will condense on surfaces inside the respiratory tract; mainly in the nasal cavity. The alcohol concentration will be intensified to ~36 v/v% by this process, which is enough to disinfect the coronavirus on the mucous membrane. In this situation, our respiratory tract essentially works as an alcohol distillation apparatus (a condenser). This method also provides more moisture into respiratory tract, and helps to clean the inside of the nasal cavity by stimulating blowing of the nose, and also makes the mucous escalator work actively so that the self-clearing mechanism in the trachea will remove viruses faster.

An alternative prompt method is also discussed. We use 40 v/v% whisky or similar alcohol, dripping on a gauze, inhale the vapor slowly at room temperature. This method works well for the front part of the nasal cavity. This is suitable for clinical workers, because they may need to use
Web Extension available for Chrome and Firefox

Novel Coronavirus (COVID-19) Knowledge and Perceptions: A Survey of Healthcare Workers

Akhaya Srikanth Bhagavathula, Wafa Ali Aldhalee, Jamal Rahman, Mohammadjavad Asrhafl Mahabadi, Deepak Kumar Bansal

doi: https://doi.org/10.1101/2020.03.09.20033381

This article is a preprint and has not been peer-reviewed [what does this mean?]. It reports new medical research that has yet to be evaluated and so should not be used to
Public API documentation

GET /api/review/:id

Get a review by id.

GET /api/request/:id

Get a request for review by id.

GET /api/user/:id

Get a user by id.

GET /api/role/:id

Get a role (persona) by id.
Joining Community and Journal-organized peer review

Publisher
- Author(s) submits their ms to a journal for publication
  - Editor needs to decide if ms should undergo peer review
    - Editor checks out community reviews
    - Community rapid reviews + editorial 1st read are positive
      - Ms sent out for journal-organized peer review
    - Community rapid reviews + editorial 1st read are negative
      - Ms is rejected

Community
- Author(s) posts the ms as a preprint on a server
  - Community rapid reviews on OSrPRE
Takeaways

- The COVID-19 pandemic has highlighted a long-standing need to accelerate research dissemination
- On Outbreak Science Rapid PREreview researchers can *rapidly review* or request reviews of outbreak-related preprints
- Our goal is to enable scientists to provide constructive feedback to each other’s work in a process that is rewarding to them
- Rapid reviews by the research community can help speed up journal-organized peer review
CALL TO ACTION!!!

for scientists
to rapidly review
COVID-19 preprints
PREreview Advisory Committee
Samantha Hindle, Ph.D.  
(Co-Founder, PREreview Leadership Team)
Naomi Penfold, Ph.D.  
(Community Manager eLIFE)
Lenny Teytelman, Ph.D.  
(Co-Founder and CEO, Protocols.io)
Georgia Bullen  
(Executive Director, Simply Secure)
Kristen Ratan, Ph.D.  
(Founder and Director, Stratos)

OSrPRE contributors
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Katrina Murphy  
(PREreview Project Manager)
Sebastien Ballesteros, Erik Wysocan, Josh King, Rae Gains, Harum Helmy  
(OSrPRE developers)

github.com/PREreview
outbreaksci.prereview.org

W wellcome  
CS&S  
Alfred P. Sloan FOUNDATION

Twitter: @prereview_  
@outbreaksci

Thank You!
Data sharing and stewardship, cross-publishers harmonization

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FAIRsharing.org
contact@fairsharing.org
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datareadiness.eng.ox.ac.uk
Outline

• FAIRsharing overview
  • An informative and educational resource for publishers and other stakeholders

• FAIRsharing and the COVID-19 Rapid Review
  • Data requirements for preprints triage and publication of articles
  • Harmonization of data guidelines across publishers, and collaboration with Research Data Alliance and Force11 groups
Better data (policies), better science

Data policies (by journals, publishers & other organizations) must ensure that
- supporting evidences are routinely available in a transparent, trustworthy and persistent manner to support peer-review
- withstand reproducibility
- underpin new results and discoveries
- confidentiality of relevant data is protected

To be reused and shared, data must be

Findable, Accessible, Interoperable, Reusable

A widely accepted set of principles to enhance the value of all digital resources
Curated **descriptions** and **knowledge graphs**

to represent these resources and

how these are interlinked
Guides **consumers** to discover, select and use these resources with confidence.

Helps **producers** to make their resources more **visible**, more widely **adopted** and **cited**.
Rich descriptive metadata for resources

Open Science Framework
Abbreviation: OSF

General Information
The OSF supports the entire research lifecycle: planning, execution, reporting, archiving, and discovery. Features include: automated versioning, logging of all actions, collaboration support, free and unlimited file storage, registrations, and connections to other tools/services (i.e. Dropbox, figshare, Amazon S3, Dataverse, GitHub). It is 100% free, open-source, and intended for use in all domain areas.

Homepage http://osf.io
Countries that developed this resource: Worldwide
Created in 2011
Taxonomic range

Knowledge Domains
- All

Subjects
- Life Science
- Psychology
User-defined Tags
- General Purpose
Interlinking repositories and standards
Tracking adoption by journal data policies

In the following recommendations:

How to cite this record: FAIRsharing.org: OSF; Open Science Framework; DOI: https://doi.org/10.25504/FAIRsharing.g4z879; Last edited: Jan. 8, 2019, 1:21 p.m.; Last accessed: Oct 21 2019 8:26 p.m.

This record is maintained by asallans ORCID and sarabowman ORCID.

Record updated: July 27, 2018, 8:31 a.m. by The FAIRsharing Team.

Related Standards
Reporting Guidelines
No guidelines defined
Citable identifiers for records and maintainers

How to cite this record: FAIRsharing.org: OSF; Open Science Framework. DOI: https://doi.org/10.25504/FAIRsharing.42879; Last edited: Jan. 8, 2019. 1:21 p.m.; Last accessed: Oct 21 2019 8:26 p.m.

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Record updated: July 27, 2018, 8:31 a.m. by The FAIRsharing Team.

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Reporting Guidelines
No guidelines defined
The Virtual Observatory (VO) is the vision that astronomical datasets and other resources should work as a seamless whole. Many projects and data centres worldwide are working towards this goal. The International Virtual Observatory Alliance (IVOA) is an organisation that debates and agrees the technical standards that are needed to make the VO possible. It also acts as a focus for VO aspirations, a framework for discussing and sharing VO ideas and technology, and body for promoting and publicising the VO. This collection lists the documents & standards agreed by IVOA.

This record is maintained by: carviset.
Record added: March 15, 2018, 12:56 p.m.
Record updated: Oct. 11, 2018, 9:57 a.m. by carviset.

Subjects
- Astrophysics And Astronomy

Knowledge Domains
- Metadata Standardization
- Data Standards

Working with **communities in all disciplines** to:
- **Accelerate** the **discovery, selection and use** of (meta)data **standards** and their use in **repositories**
- **Increase** their **visibility, reuse, adoption and citation**
The COVID-19 RR initiative – Data WG

1. Assists the Community Reviewers in the preprint triage phase, and the Members with published articles by *defining common minimal requirements* to ensure access and reusability of the underlying data.

2. Contribute to relevant and ongoing collaborations, which work to *harmonizing the data guidelines* across the participating publishers/journals.
The COVID-19 RR initiative – Data WG

1. Assists the Community Reviewers in the **preprint triage phase**, and the Members with published articles by defining common minimal requirements to ensure access and reusability of the underlying data

   - The **plan** is for Community Reviewers to:
     - select relevant COVID preprint;
     - check for the presence of DAS;
     - check where datasets are made available: in repositories (ideal) or elsewhere (e.g. on a project/personal website)
     - if relevant, extend the checks to software, code and materials, etc.
The COVID-19 RR initiative – Data WG

1. Assists the Community Reviewers in the preprint triage phase, and the Members with **published articles** by defining common minimal requirements to ensure access and reusability of the underlying data

   • Current common policy by Members is to require a formal DAS and check for presence; “data available” on request is still an option

   • New **options for discussion** are:

     ▪ **Enforce a formal DAS that explicitly lists the repositories** where the data are publicly available (subject to ethical considerations); data available on request will **not** be acceptable

     ▪ **Publisher checks data are in the repositories** - and data is formally cited in the article (following the Joint Data Citation Principles)
2. Contribute to relevant and ongoing collaborations, which work to *harmonizing the data guidelines* across the participating publishers/journals:

2.1 **Policy alignment**, connected to the work of the [RDA Journal](https://www.rda.datacite.org/)

[Data Policy Standardization WG](https://www.rda.datacite.org/)

2.2 **Common criteria for repository selection**, connected to the work of the [RDA/Force11 FAIRsharing WG](https://www.rda.datacite.org/)

*Data Repository Selection: Criteria That Matter*  
Work in progress  
https://osf.io/m2bce
Thank You to our Presenters & Chairs:

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