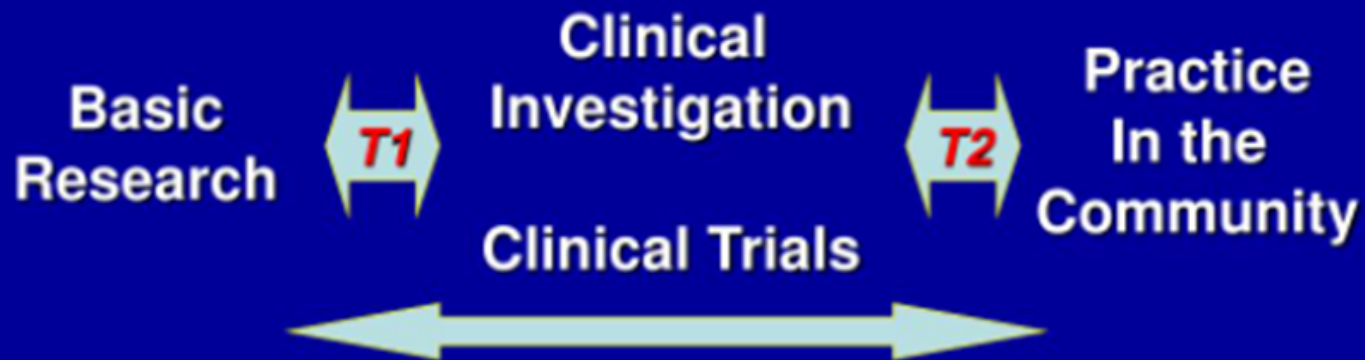


Countway Library Services in the COVID-19 Era

October 29, 2020

Bidirectional Translational Research



Bench

**Molecules & Cells,
Animal Models**

Bedside

Patients

Trench

Community & Population

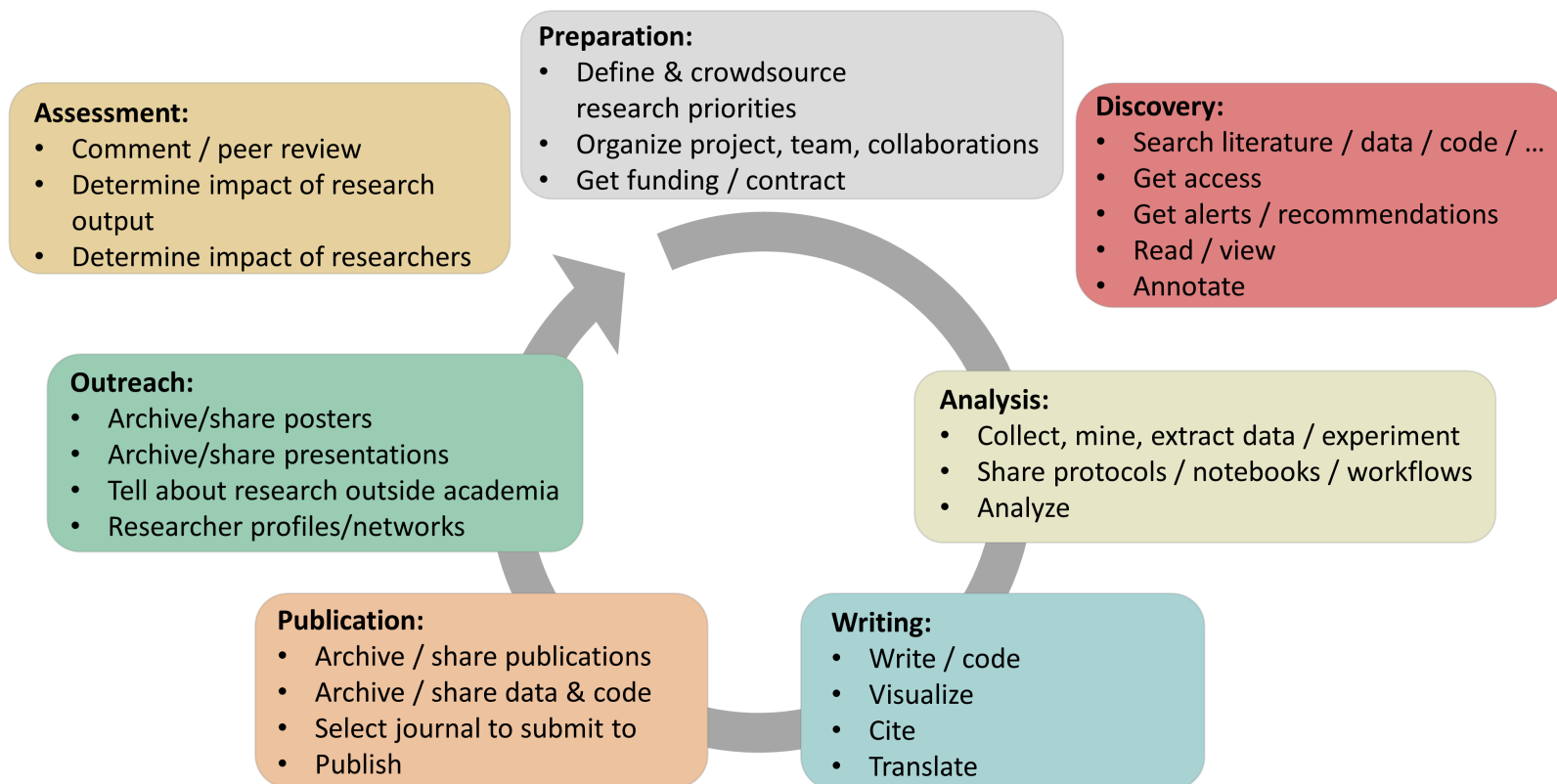
1024 x 768

Ronald J. Sokol, MD Director Colorado Clinical and Translational Sciences Institute PowerPoint Presentation - ID:6645266

BENCH

Embedding Library Staff into the Scholarly Research Workflow

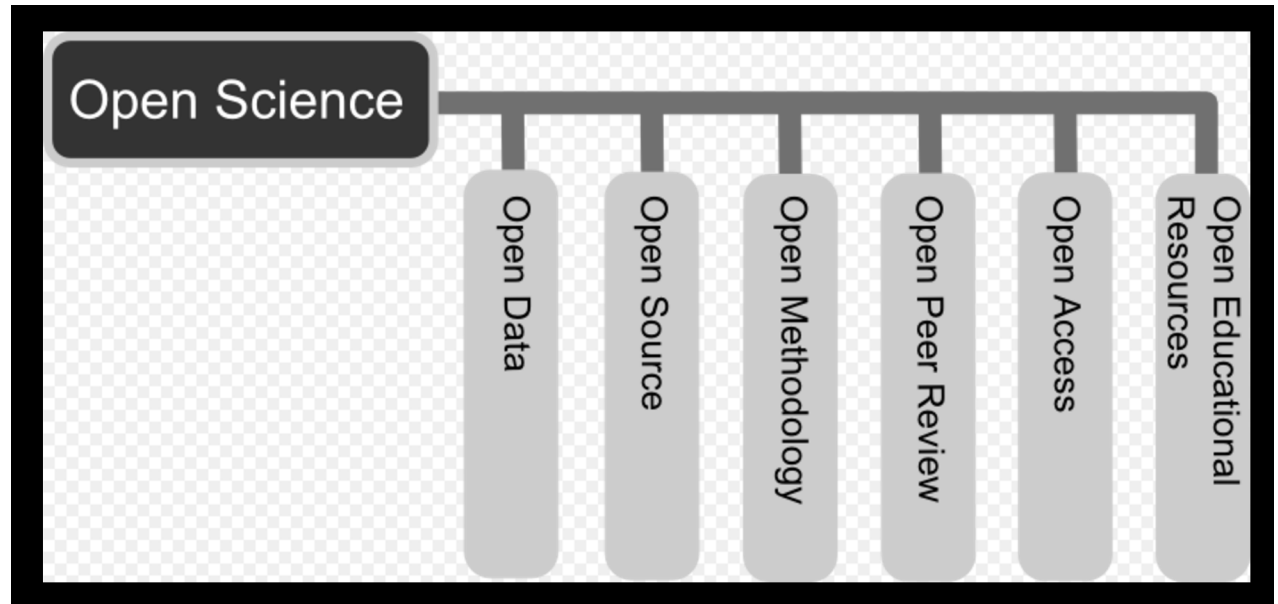
Opening up the research workflow



Consultations for Disseminating COVID-19 Scholarship

- Access and Distribution of Scholarly Works
- Copyright and Author Rights
- Open Access Policies & Compliance
- Digital Repositories (Manuscript & Data)
- Research Data Management
- Scholarly Impact & Citation Metrics
- Author Profiles; ORCID
- Journal Selection @ Publishing Choices
- Citation Style & Manuscript Formatting (Zotero)

Open Science: Decoupling Dissemination and Peer Review



Digital Repositories



Cold Spring Harbor Laboratory

bioRxiv

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Advanced Search

bioRxiv is receiving many new papers on coronavirus 2019-nCoV. A reminder that preprints have not been peer-reviewed. They should not be regarded as conclusive, guide to practice, or reported in news media as established information.

New Results


[Comment on this paper](#)

Pursuing the limits of child survival in the most and least developed countries

Iván Mejía-Guevara, Wenyun Zuo, Laust H. Mortensen, Shripad Tuljapurkar

doi: <https://doi.org/10.1101/591925>

This article is a preprint and has not been certified by peer review [what does this mean?]



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Subject Area

Neurology

Subject Areas

All Articles

- Addiction Medicine
- Allergy and Immunology
- Anesthesia
- Cardiovascular Medicine
- Dentistry and Oral Medicine
- Dermatology
- Emergency Medicine
- Endocrinology (including Diabetes Mellitus and Metabolic

An international multicenter examination of MOG antibody assays

Markus Reindl, Kathrin Schanda, Mark Woodhall, Fiona Tea, Sudarshini Ramanathan, Jessica Sagen, Jim Fryer, John Mills, Bianca Tegen, Swantje Mindorf, Nora Ritter, Ulrike Krummrei, Winfried Stocker, Juliane Eggert, Eoin P Flanagan, Melanie Ramberger, Harald Hegen, Kevin Rostasy, Thomas Berger, M. Isabel Leite, Jacqueline Palace, Sarosh R. Irani, Russell Dale, Christian Probst, Monika Probst, Fabienne Brilot, Sean Pittock, Patrick Waters

doi: <https://doi.org/10.1101/19011049>

Now published in *Neurology - Neuroimmunology Neuroinflammation* doi: [10.1212/NXI.0000000000000674](https://doi.org/10.1212/NXI.0000000000000674)

Abstract | Info/History | Metrics | [Preview PDF](#)

Abstract

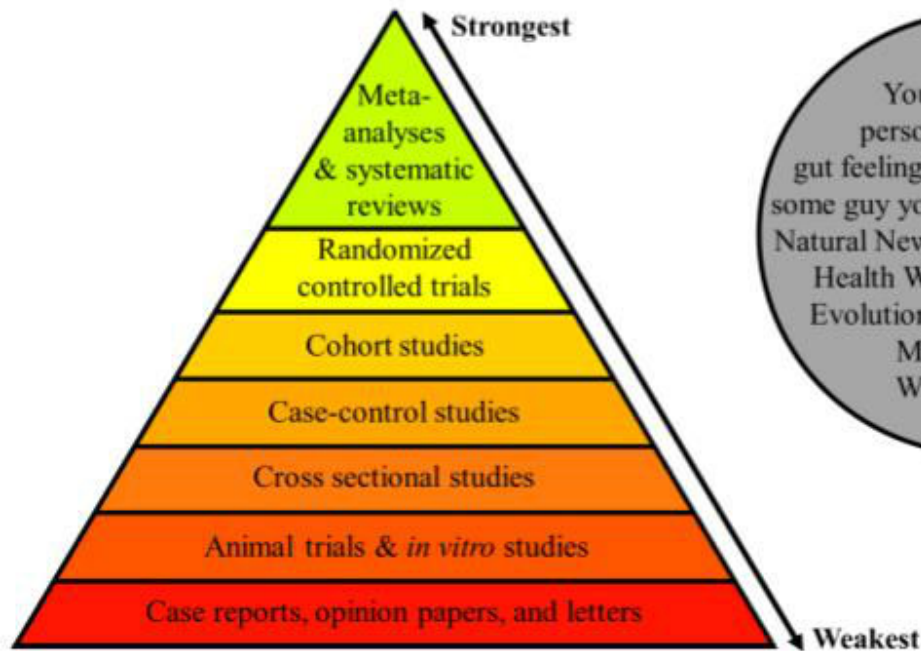
Objectives: To compare the reproducibility of 11 antibody assays for IgG and IgM myelin oligodendrocyte glycoprotein antibodies (MOG-IgG, MOG-IgM) from five international centers. Methods: The following samples were analyzed: MOG-IgG clearly positive sera (n=39), MOG-IgG low positive sera (n=39), borderline negative sera (n=13), clearly negative sera (n=40), and healthy blood donors (n=30). As technical controls, 18 replicates (9 MOG-IgG positive and 9 negative) were included. All samples and controls were re-coded, aliquoted, and distributed to the five testing centers which performed the following antibody assays: five live and one fixed immunofluorescence cell-based assays (CBA-IF, five MOG-IgG, one MOG-IgM), three live flow cytometry cell-based assays (FACS-CBA, all MOG-IgG), and two enzyme-linked immunosorbent assays (ELISA) for MOG-IgG. Results: We found that the

BEDSIDE

Scientific Evidence

Hierarchy of evidence

Hierarchy of Scientific Evidence



Not Scientific Evidence

Youtube videos, personal anecdotes, gut feelings, parental instincts, some guy you know, websites like Natural News, Info Wars, Natural Health Warriors, Collective Evolution, Green Med Info, Mercola.com, Whale.to, etc.

thelogicofscience.com

Library Staff Work to Improve Patient Care

- From February 1, 2020 through October 21, 2020, 38 research and instruction librarian requests were related to collaborating on projects related to COVID-19
- From February 2019 through June 2020, 65 tickets had the tag COVID19O which correlates to a question being related to COVID-19
- Provide access to Countway Collections (grab and go, scan and deliver, borrowing) to support grand rounds and morning report/clinical librarian services at affiliated hospitals

Developing Standards of Care

Zotero Library for BWH ER Department
on Crisis Standards of Care – Michelle
Bass

Syrowatka, A., Kuznetsova, M., Alsubai,
A., Beckman, A.L., Bain, P.A., Craig,
K.J., Hu, J., Jackson, G., Rhee, K., &
Bates, D.W. (in process). Leveraging
Artificial Intelligence for Pandemic
Preparedness and Response: A Scoping
Review to Identify Key Use Cases

Dominici, F., Bhaskar, A., Chandra, J.,
Braun, D., & Cellini, J. (Manuscript
submitted for review). Air pollution,
SARS-CoV-2 transmission, and COVID-
19 outcomes: A state-of-the-science
review of a rapidly evolving research
area. *Environmental Health Perspectives*

Dominici, F., Cellini, J., Chandra, J., &
Bhaskar, A. (Manuscript submitted for
review). Air Pollution and COVID-19
Outcomes: A Review of a Rapidly
Evolving Research Area. *American
Journal of Epidemiology*.

TB and COVID-19: A Living Systematic Review

NIHR | National Institute
for Health Research

PROSPERO
International prospective register of systematic reviews

Print | PDF

Clinical Outcomes of Individuals with COVID-19 and Tuberculosis Disease: a Living Systematic Review

Carole Mitnick, Molly Franke, Celia Fung, Andrew Lindeborg

Citation

Carole Mitnick, Molly Franke, Celia Fung, Andrew Lindeborg. Clinical Outcomes of Individuals with COVID-19 and Tuberculosis Disease: a Living Systematic Review. PROSPERO 2020 CRD42020187349 Available from: https://www.crd.york.ac.uk/prospERO/display_record.php?ID=CRD42020187349

Review question

1. Is active or recent TB disease associated with worse COVID-19 outcomes?
2. Are TB outcomes worse in the presence of COVID-19?

Searches

We will conduct searches in the following databases:

- PubMed
- Embase
- Web of Science or Scopus
- WHO coronavirus database
- MedRxiv
- BioRxiv
- Preprints.org
- Google Scholar

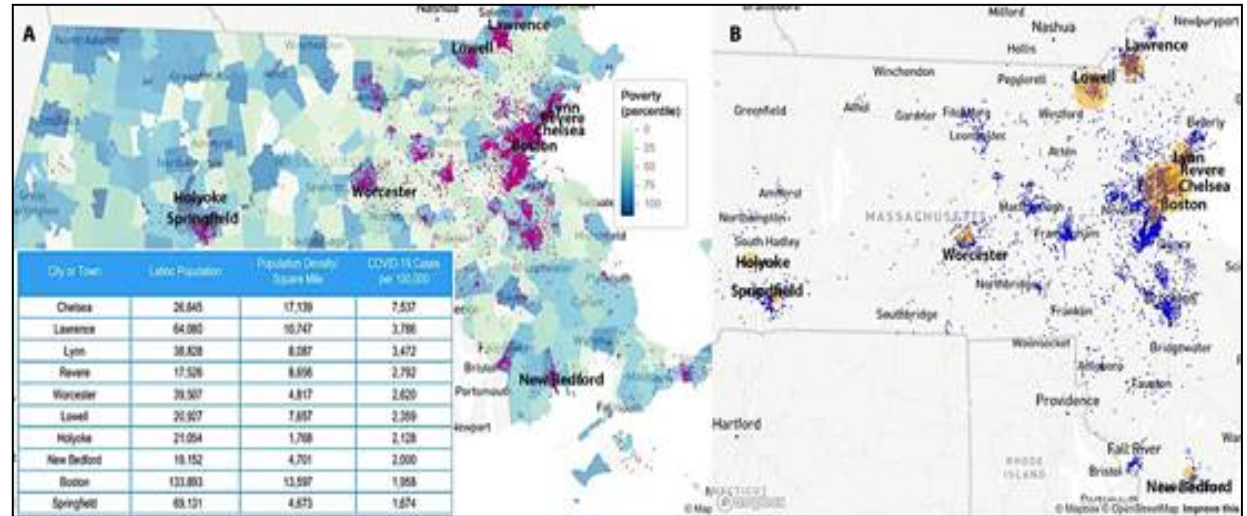
We will perform searches in these databases using keywords pertaining to COVID-19 and tuberculosis such as:

Coronavirus OR COVID-19 OR 2019-nCoV or 2019nCoV or SARS-CoV-2 OR SARSCoV2 OR HCoV2

TRENCH

Health Literacy

Emergency Competitive Revisions for Social, Ethical, and Behavioral Implications (SEBI) Research on COVID-19 Testing among Underserved and/or Vulnerable Populations



While the fundamental purpose of this grant was to conduct outreach and education on Chagas Disease to Central and South American immigrants, it quickly became apparent that this same population was not receiving adequate messaging about COVID-19 as it became clear that it was becoming a pandemic. Thus, we used already established avenues of communication and outreach and produced a number of short videos, in both English and Spanish, that could be shared with this population via YouTube. As the pandemic continued during the summer months, data began showing that new-case hotspots were correlating very closely to population centers of Central and South American immigrants (below is a nice visual Julia had put together for the sub-award application we recently submitted). As a result, the project team has continued to modify the videos as new and changing information comes out surrounding best practices to stay healthy.

Renovation: Fostering Wellness and Community

Building community through
the Countway Library renovation



Stories

Center staff worked to restore enhanced access to Harvard Library's *Contagion* exhibit, a product of the closed Harvard University Libraries Open Collections Program, to support research, teaching, and learning. *Contagion* offers a historical perspective on contagious diseases and related medical and public health practices, and it links to fully digitized books and primary sources, such as manuscripts and photographs.

Center staff generated new content in response to requests for information about how people and institutions coped with previous pandemics, notably the 1918 flu epidemic, through:

- blog posts, such as this article on how Peter Bent Brigham Hospital, a parent institution of the Brigham and Women's Hospital, provided medical care for flu patients: <https://cms.www.countway.harvard.edu/wp/?p=16432>)
- working with *Harvard Medicine* and OCER to pivot to a new "Backstory" column on the 1918 flu and deliver 1918 flu content to OCER staff for reference and distribution, such as "warning" signs that people put on their homes during outbreaks of measles and scarlet fever
- fielding multiple research requests on the repurposing of historical mechanical breathing apparatuses like the iron lung to serve current pandemic medical needs

Web Based Resources

<https://countway.harvard.edu/covid19>

COVID-19 Resources

Services

— Find Materials

Course Reserves

Interlibrary Loan

BorrowDirect

HOLLIS

COVID-19 Resources

This is a collection of information and research related to Coronavirus Disease (COVID-19). The physical library building is closed and library services are available remotely.

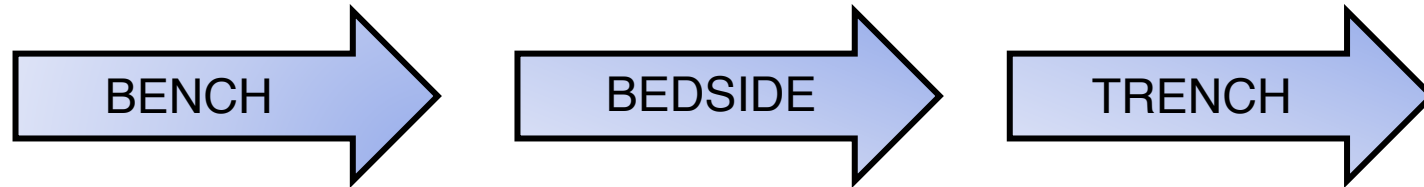
Community notifications are on the [Harvard - Coronavirus](#) and the [Guidance for HMS Community](#) pages. The below list is not comprehensive. If you have other recommendations or questions please use [Ask Countway](#).

Literature

- [LitCovid](#)
- [CORD-19 \(COVID-19 Research Dataset\)](#)
- [PubMed Coronavirus Search](#)
- [Disaster Lit Database for Coronavirus](#)

Conclusion:

Bench to Bedside to Trench



Countway library staff play a vital role in supporting the research workflow, finding the best evidence to support patient care practice, and transforming our online and physical spaces to educate the public and build community. We have successfully shifted our focus to providing COVID-19 services and resources for the scientific discovery of advanced therapeutics to help cure disease.