

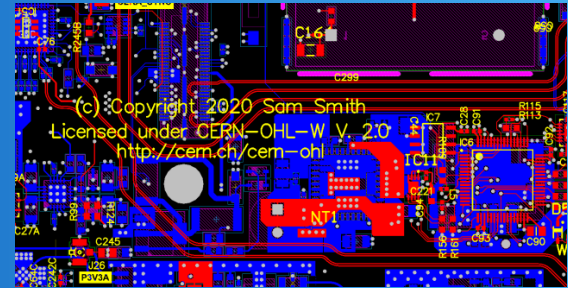
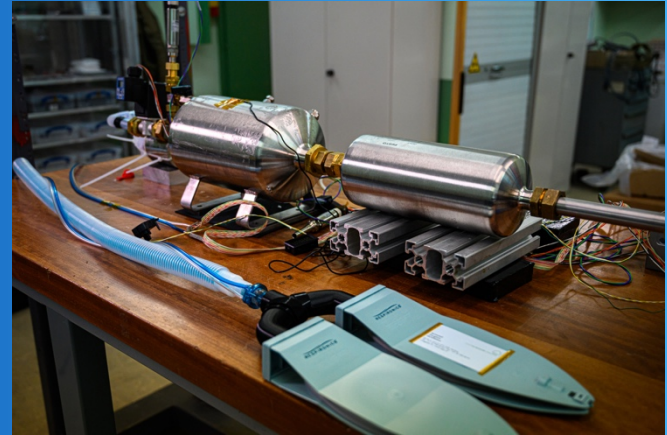
Alex Ioannidis, Jose Benito Lopez, Lars Holm Nielsen, Stephanie van de Sandt, **Tim Smith**



Sharing, Discovering, and Citing COVID-19 Data and Code

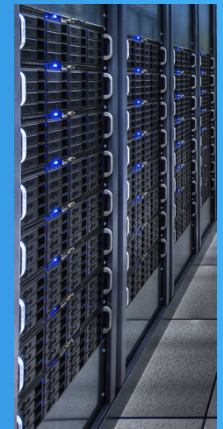
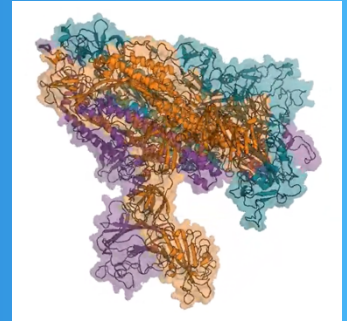
National Library of Medicine – 2020/04/24

CERN against COVID-19



CERN Computing against COVID-19

Folding @ Home



Zenodo and COVID-19

Horizon 2020 projects working on the 2019 coronavirus disease (COVID-19), the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), and related topics:

Guidelines for open access to publications, data and other research outputs

Version 1.0
April 8, 2020



zenodo Search Upload Communities lars.holm.rasien@cern.ch

Zenodo is continuing normal operation during the COVID-19 outbreak. All Zenodo staff are working remotely in accordance with preventive measures taken by CERN.

COVID-19 related communities

Need help uploading? Contact us

Coronavirus Disease Research Community - COVID-19
This community collects research outputs that may be relevant to the Coronavirus Disease (COVID-19) or the SARS-CoV-2. Scientists are encouraged to upload their outcome in this collection to facilitate sharing and discovery of information. Although Open Access articles and datasets are...
Curated by: Covid19_Team, OpenAIRE

Featured uploads related to COVID-19

Want your dataset featured? Contact us

March 23, 2020 [v. 1.0] Software Open Access

Statistical review of Favipiravir versus Arbidol for COVID-19: A Randomized Clinical Trial
Wilkinson, Jack; Dabhy, Damien
The following review has been prepared in collaboration with members of the MRC-NIH Trials Methodology Research Partnership. The reviewers named above, and other, unnamed discussants of the...
Updated on April 3, 2020

March 14, 2020 [v. 0.0.1] Software Open Access

COVID-19 Open Research Dataset (CORD-19)
Sebastian Kohmeier, Kyle Lo, Lucy Lu Wang, JJ Yang
A full description of this dataset along with updated information can be found here. In response to the COVID-19 pandemic, the Allen Institute for AI has partnered with leading research groups to...
Uploaded on April 3, 2020

March 20, 2020 Software Open Access

Code for Quantifying SARS-CoV-2 transmission suggests epidemic control with digital contact tracing
Ferretti, Luca; Wymant, Chris; Fraser, Christophe
This code implements the COVID-19 mathematical analyses of Ferretti, Wymant et al. Science 2020. Namely, inference of the generation time interval for transmission pairs, solving the...
Uploaded on April 3, 2020

[Browse COVID-19 related research](#)

Recent uploads

April 3, 2020 [v. 1.0] [v. 0.0.0.0.0.0] Software Open Access

LG-covid19-HOTP: Literature Graph of Scholarly Articles Relevant to COVID-19 Study
Flores, Dimitris; Pitsianis, Nikos; Sun, Xiaobai
Following and in parallel to the recently released dataset CORD-19 of scholarly articles, we provide the literature graph LG-covid19-HOTP composed of not only articles (graph nodes) that are relevant to the study of coronavirus, but also citation links (graph edges) for facilitating navigation...
Updated on April 2, 2020
1 more version(s) exist for this record

April 2, 2020 [v. 1.0] Software Open Access

python-pillow/Pillow 7.1.1
Hugo van Kemenade, wernerf, Andrew Murray, Alex Clark, Alexander Karginov, Christoph Gohlke, Jon Dufresne, Iuliano, Ben Crowell, David Schneider, Aashaf Houghton, Konstantin Kopchov, Steve Lantry, Sandro Mani, vanke, Josh Ware

Need help?
Contact us
Zenodo prioritizes all requested related to the COVID-19 outbreak.
We can help with:
• Uploading your research data, software, preprints, etc.
• One-on-one with Zenodo supporters.
• Quota increases beyond our default policy
• Scripts for automated uploading of larger datasets.

Why use Zenodo?



OpenAIRE SERVICES SUPPORT OPEN SCIENCE IN EUROPE ABOUT SIGN IN

OpenAIRE COVID-19 Gateway

The COVID-19 Open Research Gateway is OpenAIRE's response to enable the scientific community to discover

Coronavirus Disease COVID-19

26,434 publications 171 datasets 19 software

Subjects



Northwestern

CORONAVIRUS/COVID-19 UPDATES

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News and Resources for Our Community



EMBL-EBI Services Research Training About us EMBL-EBI

COVID-19 Data Portal

Home

File Manager

Name	Size	Modified
...



Zenodo and COVID-19

Prioritization of COVID-19 requests

Quota increases beyond default

1-on-1 with Zenodo supporters

Scripts for automated uploading of larger datasets

Curation of COVID-19 records

zenodo Blog

Fighting the Coronavirus Disease (COVID-19) outbreak

by Alex Ioannidis on April 2, 2020

To confront the Coronavirus Disease (COVID-19) outbreak rapidly necessitates an extraordinary collaborative effort to share research results in an unprecedented manner across disciplines and across borders. Open Science is an timely sharing of the latest research related to the pandemic.

We (Zenodo/CERN and OpenAIRE) are responding to a call by the European Commission for synchronous Science Cloud (EOSC) to facilitate efforts by scientists worldwide working relentlessly to stop the pandemic.

We are today contributing to the call for action with what we do best – preserving and sharing all COVID-19 scientific community to find a breakthrough solution to this universal problem.

We have taken some immediate actions:

- 1. Coronavirus Disease Research Community:** We have created a new COVID-19 Research Community automatically fed into the OpenAIRE Open Research Gateway which is currently under development. Other useful resources for the Coronavirus Disease (COVID-19) and SARS-CoV-2.
- 2. Curation:** A team of experts nominated by OpenAIRE (see list below) has been created to curate (and moderate/curate) to scout for further COVID-19 uploads outside the community and coordinate.
- 3. Support:** We do not want anyone to have any issues sharing relevant information on Zenodo. P are prioritized. We can further offer:
 - Liberal quota increases (beyond the current limits of 50GB) if needed
 - 1-on-1 dedicated support via chat with Zenodo supporters
 - Help with automated uploads to Zenodo of large datasets.
- 4. Homepage:** we have revamped our homepage to make sure that COVID-19 research objects and communities get the necessary visibility

COVID-19 related communities

Featured uploads related to COVID-19

Recent uploads

We count on you to find a solution to the outbreak. We will do our best to support you all the way, from sharing your research to making it available to the world. Together we can!

Are we missing something? Do you feel like helping us out?

We welcome anybody that wants to help us improve Zenodo COVID-19 content in any way, by exploring more records, by providing feedback, or by sharing your own research.

Please, get in touch with us and share your feedback.

Curation team for the Coronavirus Disease Research Community

CERN Accelerating science

ABOUT NEWS SCIENCE

News - News - Topic Computing

Voir en français

Open Science against COVID-19: how Zenodo and OpenAIRE support the scientists

Zenodo and OpenAIRE are contributing to the European Commission call for action with what they do best – preserving and sharing all COVID-19-related datasets, software, preprints and other research objects

22 APRIL, 2020

zenodo

COVID-19 related communities

Coronavirus Disease Research Community - COVID-19

Pinned Tweet

ZENODO @ZENODO_ORG · Apr 3

Our #COVID19 response: EC-endorsed community, curation team, priority support, liberal quota increases, frontpage update - see it all on

Fighting the Coronavirus Disease (COVID-19)

Zenodo is a free and open digital archive built by CERN and OpenAIRE, enabling researchers to share and preserve research output in any size...

blog.zenodo.org

25 33

Cross-cutting Response



Coronavirus Disease Research Community - COVID-19

Recent uploads

Search Coronavirus Disease Research Community - COVID-19

April 8, 2020 (4) [Dataset](#) [Open Access](#) [View](#)

Supply and demand shocks in the COVID-19 pandemic: An industry and occupation perspective

R. Maria del Rio Chacona, Penny Mealy, Anton Pichler, Francois Lafond, J. Doyne Farmer.

Supply and demand shocks in the COVID-19 pandemic: An industry and occupation perspective R. Maria del Rio-Chacona, Penny Mealy, Anton Pichler, Francois Lafond, J. Doyne Farmer contact: Results The supply, demand, and total shocks at the industry and occupation level are in files: indu

Uploaded on April 22, 2020

3 more version(s) exist for this record

April 15, 2020 (1) [Dataset](#) [Open Access](#) [View](#)

Stable psychological traits predict perceived stress related to the COVID-19 outbreak

Merylin Monaco, Luca Flesia, Valentina Fietta, Barbara Segatto, Elena Colicino.

This repository contains the raw dataset associated to the scientific article "Stable psychological traits predict psychological perceived stress to COVID-19 outbreak", by L. Flesia, V. Fietta, B. Segatto, M. Monaco. Data are contained in the excel file and organized as follows: - t

Uploaded on April 21, 2020

April 21, 2020 (4/6) [Software](#) [Open Access](#) [View](#)

yuryatin/covid19_age_adjusted_mortality: COVID-19 age-adjusted mortality

Alexander Yuryatin.

This is a mixed Python & C package for data scientists. The code of the Python scripts and of the affiliated shared C library may help you fit analytically expressed functions to the COVID-19 mortality data to model age-adjusted fatality risk using maximum likelihood point estimates. This softwa

Uploaded on April 21, 2020

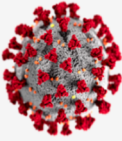
3 more version(s) exist for this record

April 21, 2020 (0/0) [Dataset](#) [Open Access](#) [View](#)

Linked COVID-19 Data: RKI

Florian Thiery.

Community



Coronavirus Disease Research Community - COVID-19

This community collects research outputs that may be relevant to the Coronavirus Disease (COVID-19) or the SARS-CoV-2. Scientists are encouraged to upload their outcome in this collection to facilitate sharing and discovery of information. Although Open Access articles and datasets are recommended, also closed and restricted access material are accepted. All types of research outputs can be included in this Community (Publication, Poster, Presentation, Dataset, Image, Video/Audio, Software, Lesson, Other).

[Read more](#)

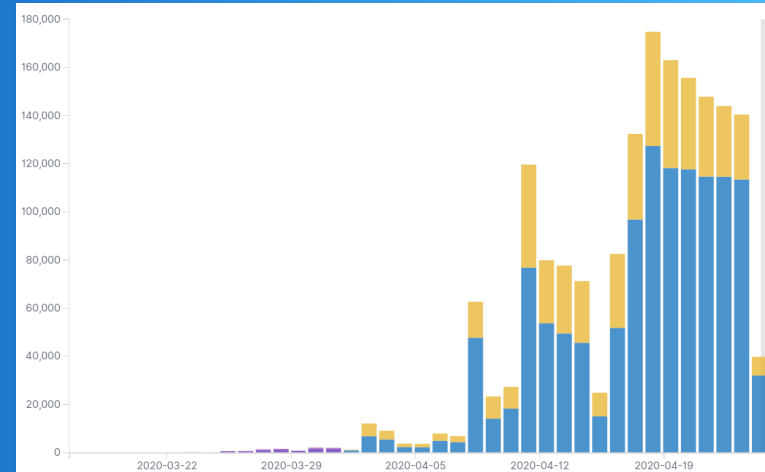
Curated by:
Covid19_Team_OpenAIRE

Curation policy:
The Coronavirus Disease Research Community - COVID-19 is curated by a selected team of experts nominated by OpenAIRE* (see list below). Each time a Zenodo user wants to add a record into the community, an email is sent to the curators that will decide whether to include the record or not. Only records that may be relevant to the Corona Virus Disease (COVID-19) or the SARS-CoV-2

- 241 records (April 24th)

- 129 datasets
- 65 publications
- 34 software
- 4 images
- 3 videos

- English, Spanish, Italian, German



Zenodo and COVID-19

zenodo Search [] Upload Communities Log in Sign up

March 16, 2020 Dataset Open Access

COVID-19 Open Research Dataset (CORD-19)

Sebastian Kohlmeier; Kyle Lo; Lucy Lu Wang; JJ Yang

A full description of this dataset along with updated information can be found [here](#).

In response to the COVID-19 pandemic, the [Allen Institute for AI](#) has partnered with leading research groups to prepare and distribute the COVID-19 Open Research Dataset (CORD-19), a free resource of scholarly articles, including full text content, about COVID-19 and the coronavirus family of viruses for use by the global research community.

This dataset is intended to mobilize researchers to apply recent advances in natural language processing to generate new insights in support of the fight against this infectious disease. The corpus will be updated weekly as new research is published in peer-reviewed publications and archival services like [bioRxiv](#), [medRxiv](#), and others.

By downloading this dataset you are agreeing to the Dataset license. Specific licensing information for individual articles in the dataset is available in the metadata file.

Additional licensing information is available on the [PMC website](#), [medRxiv website](#) and [bioRxiv website](#).

Dataset content:

- Commercial use subset
- Non-commercial use subset
- PMC custom license subset
- bioRxiv/medRxiv subset (pre-prints that are not peer reviewed)
- Metadata file
- Readme

Each paper is represented as a single JSON object (see schema file for details).

3,112 views 2,793 downloads See more details...

Indexed in OpenAIRE

Publication date: March 16, 2020

DOI: 10.5281/zenodo.3756191

Keyword(s): COVID-19 Coronavirus 2019-nCoV SARS-CoV MERS-CoV Severe Acute Respiratory Syndrome Middle East

Communities: Coronavirus Community Zenodo



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March 30, 2020 Dataset Open Access

Raw diffraction data for structure of SARS-CoV-2 main protease with Z1271660837 (ID: mpro-x1226 / PDB: 5RFB)

Aragao, David; Brandao-Neto, Jose; Carbery, Anna; Crawshaw, Adam; Dias, Alexandre; Douangamath, Alice; Dunnett, Louise; Fearon, Daren; Flaig, Ralf; Gehrtz, Paul; Hall, Dave; Krojer, Tobias; London, Nir; Lukacic, Petra; Mazzorana, Marco; McAuley, Katherine; Owen, David; Powell, Ailsa; Reddi, Rambabu; Resnick, Efrat; Skyner, Rachael; Snee, Matt; Strain-Damerell, Claire; Stuart, Dave; von Delft, Frank; Walsh, Martin; Wild, Conor; Williams, Mark; Winter, Graeme

Raw diffraction data for mpro-x1226 / PDB ID 5RFB (see: <https://www.ebi.ac.uk/pdbe/entry/pdb/5RFB>) - SARS-CoV-2 main protease in complex with Z1271660837 (SMILES:CNCC1=CN(C)N1) collected as part of an XChem crystallographic fragment screening campaign on beamline i04-1 at Diamond Light Source. The deposited structure was automatically processed with standard Diamond tools and PanDDA, however the raw data are being made available to allow reanalysis by any interested party. For more details see: <https://www.diamond.ac.uk/covid-19/for-scientists/Main-protease-structure-and-XChem.html>

Preview

mpro-x1226.zip

- mpro-x1226.run 4 Bytes
- Mpro-x1226_1_0001.cbf 6.2 MB
- Mpro-x1226_1_0002.cbf 6.2 MB

232 views 18 downloads See more details...

Indexed in OpenAIRE

Publication date: March 30, 2020

DOI: 10.5281/zenodo.3731294

Keyword(s): COVID-19 SARS-CoV-2 main protease automated upload PDB-5RFB Diamond Light Source / MX / XChem

Communities: Coronavirus Disease Research Community - COVID-19 Macromolecular Crystallography

LINKED COVID-19 Data

THE LINKED COVID-19 Data TRANSFORMER TRANSFORMS DATA FROM THE JHU, ECDC AND RKI INTERFACES INTO RDF.

diamond Coronavirus Science

Home For Scientists For Journalists For the Public For Staff Diamond Website

In This Section Main protease structure and XChem fragment screen

Multi-disciplinary: everyone, everything
Solid REST api: to build services on top
Good sustainable data management practices

zenodo

Built by Researchers
For Researchers

<https://zenodo.org>