

Open Source Drug Discovery (OSDD)

 consortiapedia.fastercures.org/consortia/osdd/

Research Areas



Data-Sharing Enabler

At a Glance

- Status: **Active Consortium**
- Year Launched: **2008**
- Initiating Organization: **Open Source Drug Discovery**
- Initiator Type: **Government**
- **Rare** disease
- Location: **International**

Abstract

Open Source Drug Discovery (OSDD) is a team led by the Council of Scientific & Industrial Research (CSIR) in a global partnership with a vision to provide affordable healthcare to the developing world by providing a global platform where the best minds can collaborate and collectively endeavor to solve the complex problems associated with discovering novel therapies for neglected tropical diseases such as tuberculosis (TB), malaria, and leishmaniasis.

Mission

OSDD's mission is to foster innovation on neglected diseases. It also aims to bring openness and collaborative spirit in the research and development process with the objective of keeping cost low. It also aims to provide affordable healthcare for neglected diseases. The motto of OSDD is "affordable health care for all."

Launched on the three cardinal principles of collaborate, discover, and share, OSDD applies the open source philosophy of "many eyeballs makes the bug shallow" to the science of drug discovery. OSDD

visions making drugs available at affordable prices for diseases that afflict the developing world by expanding resources for research through open collaboration. The principles of open innovation through open collaboration and sharing underlies OSDD approaches.

Financing

The core funding of OSDD is from the government of India. For the period of September 2008 to March 2012, the government earmarked Rs 45.96 crores (about \$12 million) for the project. OSDD uses these funds for appropriate scientific projects that help drug discovery for TB and malaria, setting up infrastructure and supporting ongoing activities of the project.

Until 2012, OSDD was a project under the National Laboratories Scheme of CSIR. For the 12th five-year plan during 2013-2017, the planning commission approved the continuation of OSDD as a part of the Open Innovation Scheme of CSIR.

Sir Dorabji Tata Trust awarded a grant to enable CSIR-New Delhi to operate a TATA CSIR-OSDD Fellowship (TCOF) program to support students and young researchers who will participate in the process of “crowd sourcing” as a method of research on open source discovery of drugs for neglected diseases such as TB and malaria. The grant amounts to Rs.285.75 lakhs for a period of three years.

Data Sharing

The OSDD platform include OSDD members, the OSDD foundation, the OSDD portal, or related portals and websites associated with it, any outsourced activity carried out for drug discovery, CSIR India, its partners, sponsors, and agents. OSDD enables sharing of data for collaborative research for drug discovery. The information includes, but is not limited to, ideas, articles, papers and other literary work, data, software, applications, notes, results of experiments, patented inventions, confidential information, and other materials submitted by the users.

OSDD offers its services, including that of its website(s) and related websites whether called a website or portal (hereinafter referred to as Portal) to all those who are committed to the OSDD vision and mission. Users of the Portal agree to work to further the OSDD vision and mission. Users of the Portal, its contents, information, and other services agree to the following terms and conditions (Terms), the

relevant applicable laws of their jurisdiction, OSDD policies, and guidelines or amendments that may be made available from time to time. The Terms may be updated in the future; current versions of the Terms will be available on the Portal. By agreeing to the Terms, users agree to abide by the future revisions as well.

In formulating these Terms OSDD addresses the potential problem of third parties acquiring proprietary rights based on the information available on its Portal, either preexisting or generated by the OSDD community, or during the drug discovery process or otherwise, without contributing improvements made back to OSDD. OSDD recognizes that in furtherance of its vision it may be required to take appropriate legal action against those who violate the condition that all improvements should be submitted back to OSDD.

Toward this end, all participants are required to authorize CSIR India acting on behalf of OSDD, to sue for violation of these Terms pertaining to whatever they contribute, for the sole purpose of taking legal action against any violation of the Terms and only for that purpose. This step is meant to enable legal action against appropriation of results of collaborative research without contributing the improvements to OSDD. OSDD acting through CSIR (India) will hold the information submitted by its users and the results of collaborative research in trust as Protected Collective Information to act against those who appropriate these results without contributing it back.

Links/Social Media Feed

Homepage	http://www.osdd.net/
Facebook	https://www.facebook.com/groups/osddcheminfo/
Twitter	https://twitter.com/osdd

Points of Contact

For general matters:

OSDD Infodesk

Open Source Drug Discovery Initiative

Council of Scientific and Industrial Research

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For project related information:

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Sponsors & Partners

OSDD is large community with more than 7,900 participants. Students, researchers, and industry members are invited to join OSDD and contribute to the project. Every user will have a profile on the OSDD portal where they can upload information, credentials, and a photograph.

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