



## CSIR-OSDD Training Program at CSIR-NIIST on “In Silico Analysis of Organic Molecules”



29/06/2012: As a part of OSDD activity and the chemistry outreach program in Kerala CSIR National Institute for Interdisciplinary Science and Technology, Trivandrum, in association with the Academy of Chemistry Teachers (ACT) conducted a one day CSIR-OSDD training program on “In silico analysis of Organic Molecules for Druggability and Mtb activity” on 29th June 2012 at CSIR-NIIST. The program was aimed at strengthening the capability of students and teachers in in-silico analysis with special emphasis on meeting the objectives of CSIR-OSDD programme.

Dr. Jaleel and his team from CSIR-OSDD team of MCC, Calicut lead the training. Various aspects of OSDD activities and medicinal chemistry were discussed during the presentation. Students, Researchers and Teachers were given training for using open source softwares and for assessing the druggability and activity of small molecules. Dr. K. V Radhakrishnan of NIIST and Dr. I.G. Shibi, General Secretary, ACT lead the deliberations.

Earlier CSIR-NIIST and Academy of Chemistry Teachers (ACT) had launched the M.Sc. Outreach Programme under which ten selected students were given training and support for their dissertation work from April to June 2012. During this period they synthesized 60 compounds that has been evaluated for their druggability in-silico and will soon be taken up for screening by CSIR-CDRI.

## OSDD Community Crosses 6000 Participants!!!!



Initiated on September 15th 2008, OSDD has now grown into a larger community with more than 6000 participants from 130 countries around the world as registered participants on SysBorg 2.0 portal. This reflects the commitment of the members across the globe for the cause of affordable healthcare for all

### OSDD Publications

#### Crowd Sourcing a New Paradigm for Interactome Driven Drug Target Identification in *Mycobacterium tuberculosis*

A decade since the availability of *Mycobacterium tuberculosis* genome sequence, no promising drug has seen the light of the day. This not only indicates the challenges in discovering new drugs but also suggests a gap in our current understanding of Mtb biology. We attempt to bridge this gap by carrying out extensive re-annotation and constructing a systems level protein interaction map of Mtb with an objective of finding novel drug target candidates.

Read More at:

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0039808>

### OSDD Outreach Programme at NCL

09/07/2012: CSIR National Chemical Laboratory (CSIR-NCL) Pune, is collaborating with OSDD in its unique and novel outreach venture to create a small molecule open access repository, involving students and faculty of Chemistry. It is a matter of great pride that under this program, the first batch of selected students has successfully completed their training at the CSIR-NCL OSDD outreach center. 15 students who underwent the training have been awarded certificates in the meeting held on Monday. These students have successfully synthesized 30 molecules that will be taken up for screening against TB and Malaria by the OSDD Chemistry group. OSDD community congratulates the students and PI's on this remarkable accomplishment.



Devi (Amravati)    Yugandhara (Ahmednagar)    Bhagyashri (Malkapur)    Payal (Malkapur)    Pooja (Akola)    Chandani (Ahmednagar)    Sandhya (Pune)



Sachin (Ahmednagar)    Rudolf (Ahmednagar)    Rahul (Pune)    Shiv Charan (Mohali)    Soumalya (Kolkata)    Fredi (Kerala)    Subhash (Nasik)