Open Drug Discovery Teams

http://molmatinf.com/oddt.html

Dr. Alex M. Clark Dr. Sean Ekins

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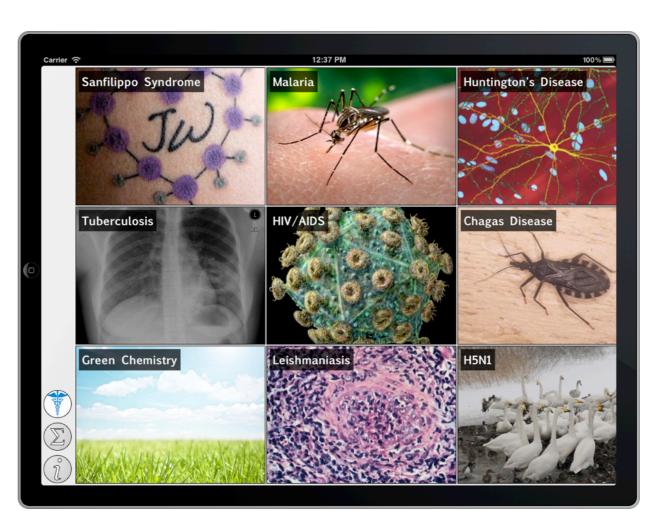


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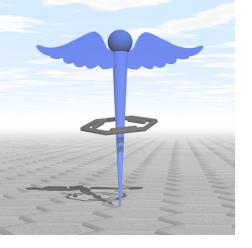
App Overview

- Content aggregator for open chemistry topics such as rare and neglected diseases
- Multiple collection sources, crowd-curated evaluation





Open data, free mobile app for iPhone, iPod, iPad



Availability

 Open Drug Discovery Teams (ODDT) is available free from the Apple iTunes AppStore



http://itunes.apple.com/app/oddt/id517000016

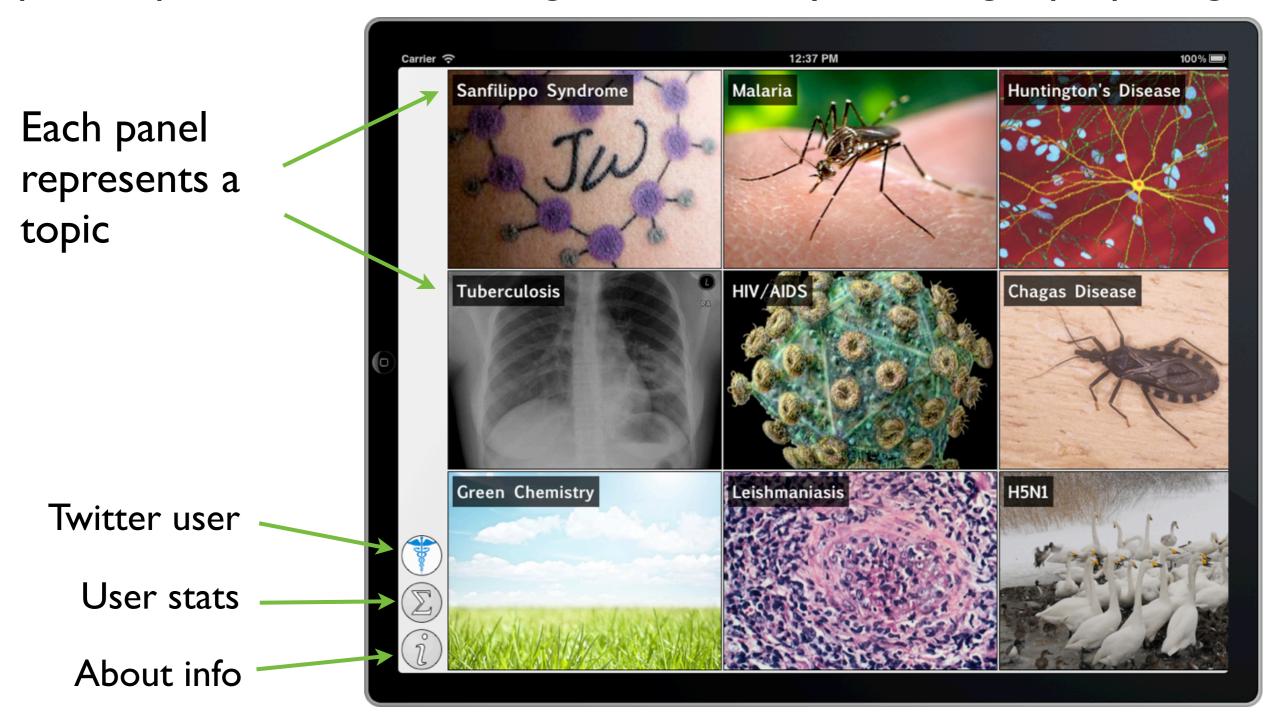
http://molmatinf.com/products.html

Features

- Magazine-like interface to medicinal chemistry topics,
 e.g. rare & neglected diseases
- Data gathered from Twitter hashtags and RSS feeds
- Inline browsing of web documents
- Intelligent handling of chemical data (e.g. molecules, reactions, auxiliary data)
- Crowd-curation: endorse, disapprove or comment by emitting a tweet

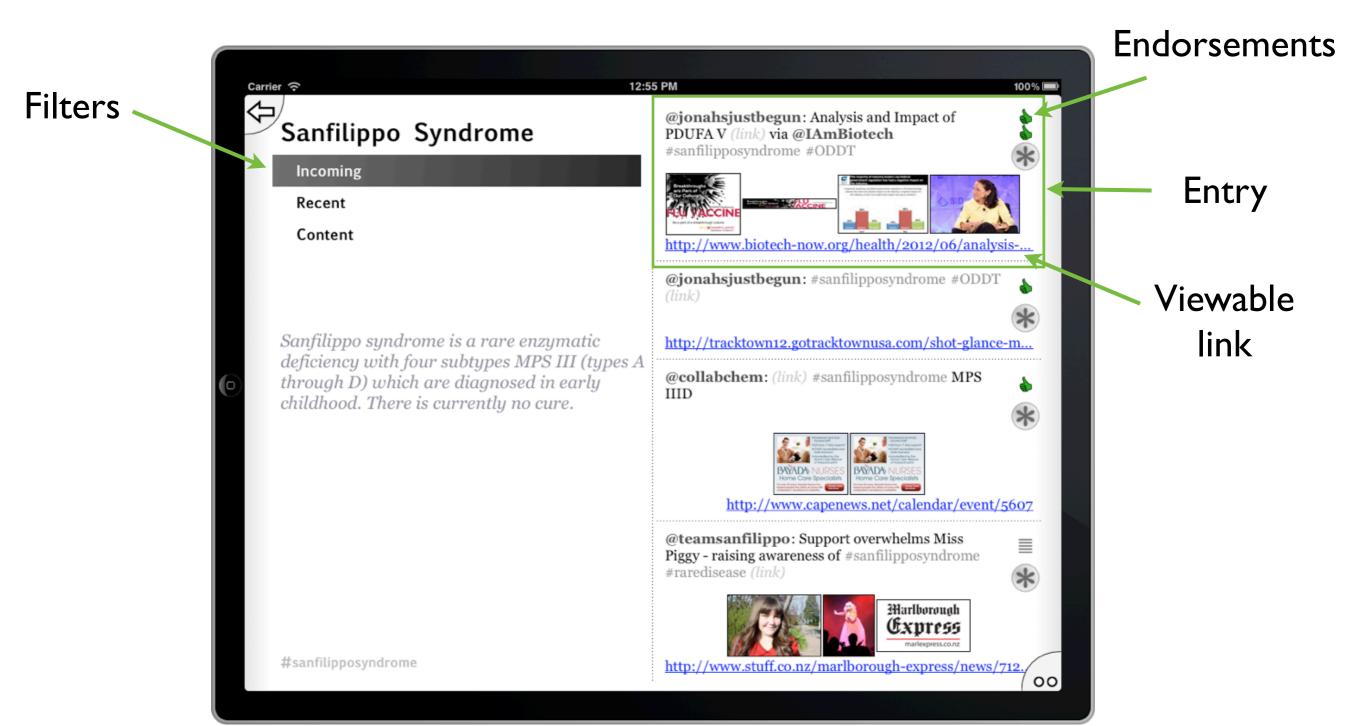
Topics

 Current topics focus on rare & neglected diseases, and other precompetitive areas such as green chemistry and drug repurposing



Browsing

• Entries are displayed in pages, most recent first



Crowdsourcing

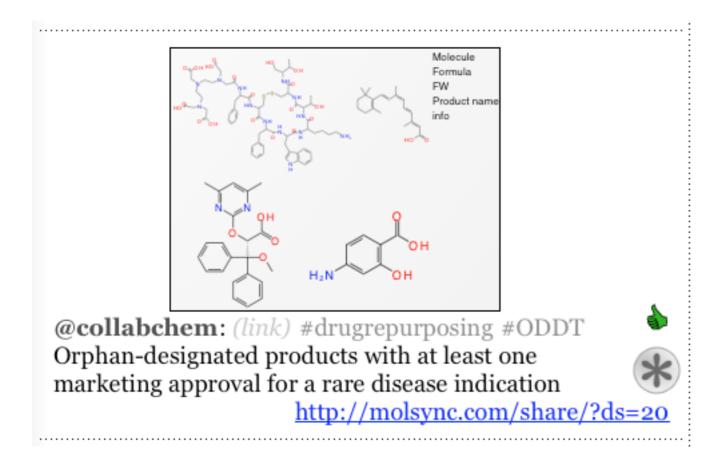
- Anyone can tweet data with topic hashtags, e.g.
 #malaria, #sanfilipposyndrome, #greenchemistry
- Links will be harvested and added to the collection
- Can adjust existing content:



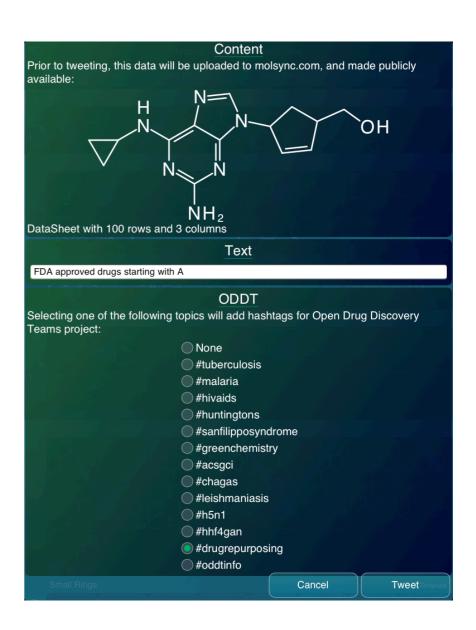
Emits a tweet from within the app, which affects the

Chemistry

 ODDT understands links chemical data, and has special viewing, manipulation and collaboration features for molecules and reactions



 Other apps such as the Mobile Molecular DataSheet allow direct tweeting of chemical data with ODDT topic hash tags...



Future Developments

- The Open Drug Discovery Teams project is currently a minimum viable product
- New developments are happening fast, e.g.
 - More topics
 - New data sources
 - Advanced cheminformatics
- Your feedback is welcome. Download the app, try it out, and get in touch!

In the literature

- A.J. Williams, S. Ekins, A.M. Clark, J. Jack, R. Apodaca, "Mobile apps for chemistry in the world of drug discovery", *Drug Discovery Today*, 16, 928-939 (2011)
- A.M. Clark, A.J. Williams, S. Ekins, "Redefining Cheminformatics with Intuitive Collaborative Mobile Apps", Molecular Informatics, manuscript in press.
- S. Ekins, A.M. Clark, A.J. Williams, "Open Drug Discovery Teams: A Chemistry Mobile App for Collaboration", Molecular Informatics, manuscript in press.

More Information

http://oddt.net

http://molmatinf.com/oddt.html

http://cheminf20.org

http://collabchem.com

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