**Abstract title**

Raising Awareness of the Rare Disease Sanfilippo Syndrome C Using The Open Drug Discovery Teams (ODDT) Mobile App

**Authors**

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**Objective**

We have developed a free mobile app for iOS called Open Drug Discovery Teams (ODDT) that uses social media to enable collaboration and sharing of information around rare and neglected diseases including molecule structures and biological data. ODDT is open to participation from anyone and provides the ability for users to make annotations and assertions, contributing to the collective value of the data. The app is based upon the Twitter API and uses Google Alerts RSS feeds as a useful proof of concept for a real time source of publicly generated content. Research topics include rare diseases such as Sanfilippo syndrome. The amount of research funding available is limited so any efforts to raise awareness of this disease are key. We have engaged the global Sanfilippo C community and its members have contributed to the app by tweeting in content that has then been endorsed and saved. We have supplemented this by links to papers and suggestions of molecules that may act as chaperones. The field of rare diseases needs increased collaboration and open sharing of data in order to facilitate discovery of new therapeutic approaches. The app could also be used as a type of open lab notebook whereby individual researchers share links (URLs) to content and the app aggregates these. We hope that scientists will increasingly tweet links to papers, blogs, slides and molecules of relevance to scientists following the topic hashtag #sanfilipposyndrome.