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**Motivation:** Many life science laboratories are still using Excel files to organize their data. This leads to a huge workload for maintenance as well as an inconvenient access and update routine. POODLE provides an easy-to-use and powerful interface to improve the work of your lab.

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## 2 Approach

# FPO

one file SQLite also has a incredibly good performance. Besides, SQLite guaranties that all transactions are ACID even if a system crash or power failure occurs. So we have a robust storage and access of data as well as a lot of functionality provided by the database system.

POODLE is build as a two-layer software. The first layer consists of the database and routines to automatically build and update that database. The second layer consists of the web service that is used to access, update and manipulate data. This is the front end layer and a user only interacts with that layer. One major aspect of POODLE is the in-build BLAST function.

SQLite<sup>1</sup> is the database system running in the background. We chose this software for several reasons. First, it is free of charge. Second, and more important SQLite is a small and fast database system written in C. So the requirement in space is very low. Since, the whole database is stored just in

### 3.2 Test1

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