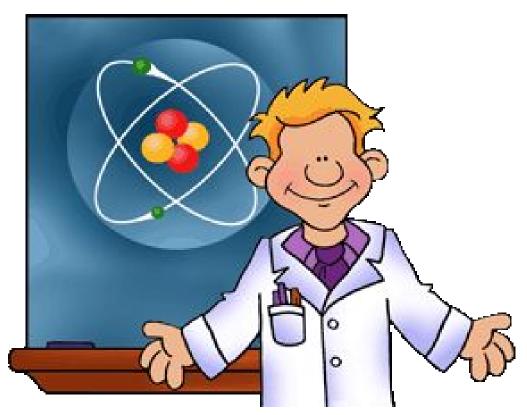
The Squonk Computational Notebook

Making cheminformatics and comp chem accessible to normal people!

Tim Dudgeon tdudgeon@informaticsmatters.com

The Target Audience



Cameras - a metaphor



- Very Powerful
- Pretty Complex
- Incompatible

Cameras - a metaphor

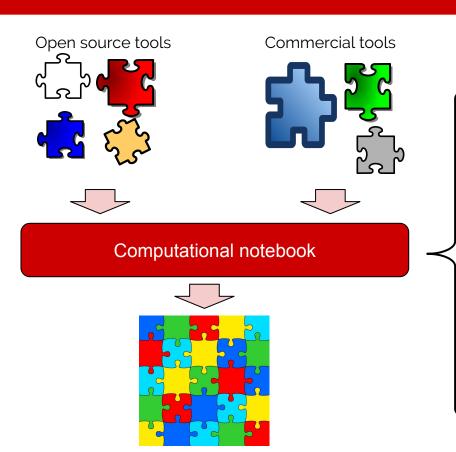


Cameras - a metaphor

- Simple
- Convenient
- Compatible
- But Still Powerful

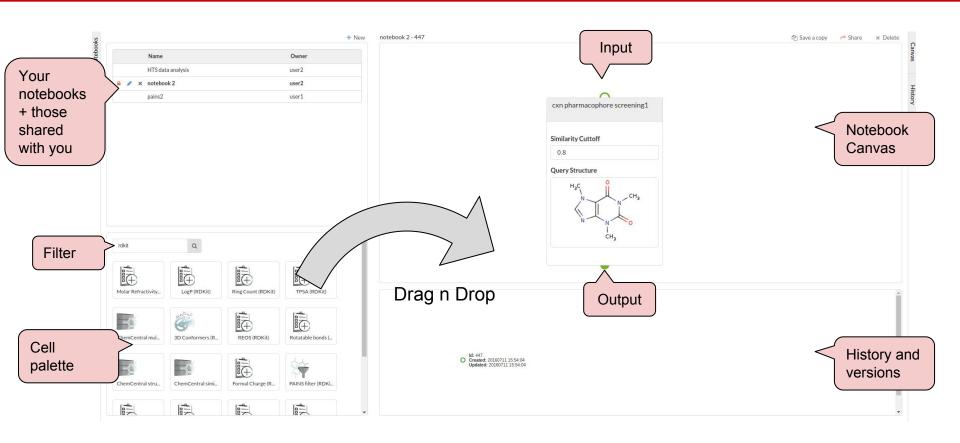


An Open platform for scientific workflows

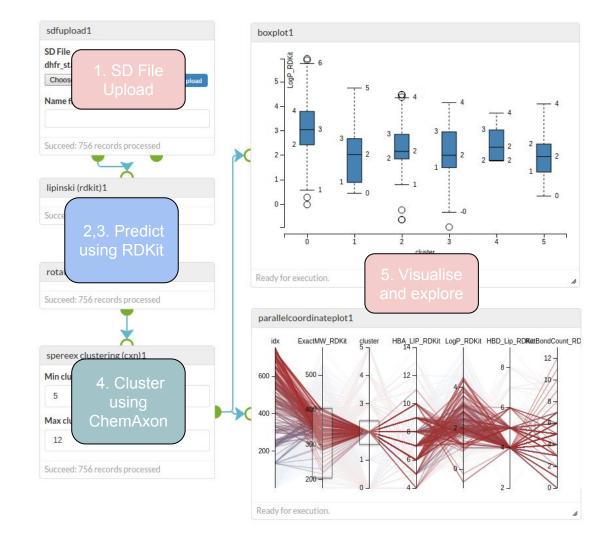


- 100% browser based
- Cloud hosted
- Locate and manage data
- Build and execute workflows
- Visualise and analyse data
- Create electronic record
- Share and collaborate
- Teach/train

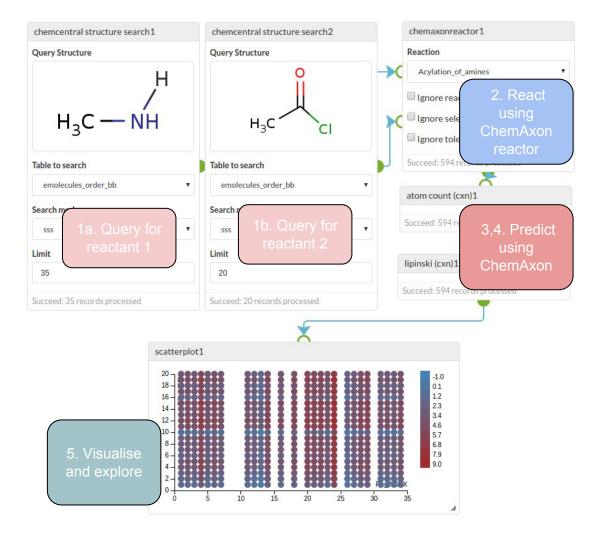
Computational Notebook



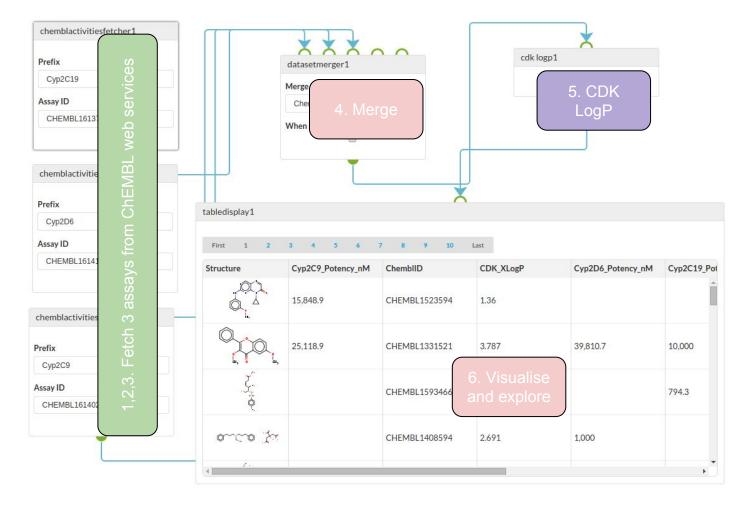
Predict And Visualise



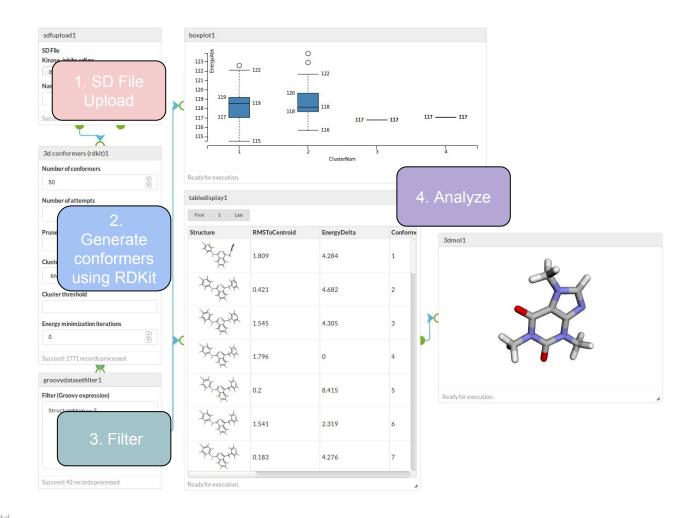
Combichem Library Generation



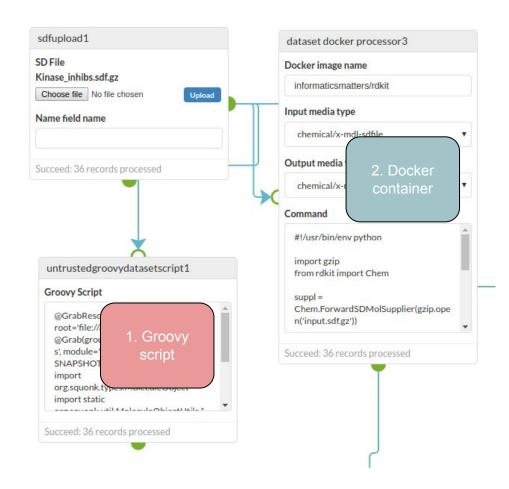
Data Curation



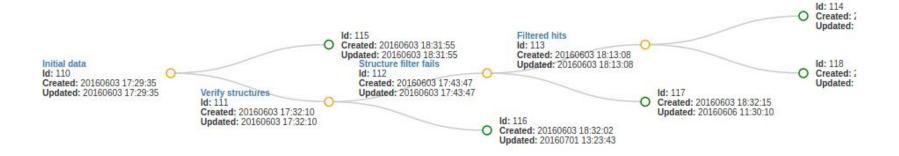
Conformer Generation and Analysis



Programming And Containers



Workflow Versioning and Branching



Interested?

Currently in alpha testing stage

Seeking users to provide feedback

Seeking tool providers
who have tools to
make available to a
wider audience

Current domains:

- Cheminformatics
- Comp Chem

Next domains

- Predictive models (esp. Tox prediction)
- Bioinformatics
- Genomics

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