Using the eLabNext Platform for Digital Lab Record Keeping

Information Technology Research Computing Harvard Medical School 4/5/2023



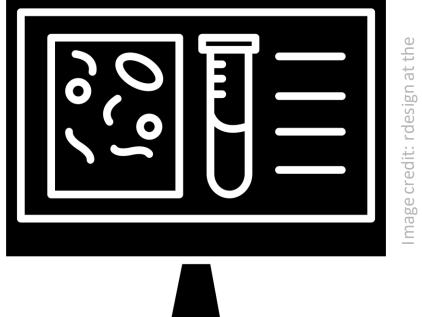
Agenda

- What is the eLabNext platform?
- HMS ELN Pilot Highlights
- eLabJournal Features
- eLabJournal Usage at HMS
- Who Supports It
- How to Signup
- Questions



What is the eLabNext platform?

- A web-based digital lab platform to elevate your research! It contains:
 - an electronic lab notebook (ELN)
 - inventory management
 - protocols management
 - an add-on marketplace
 - a mobile app
- Currently in Pilot phase at HMS



ELN Options at Harvard

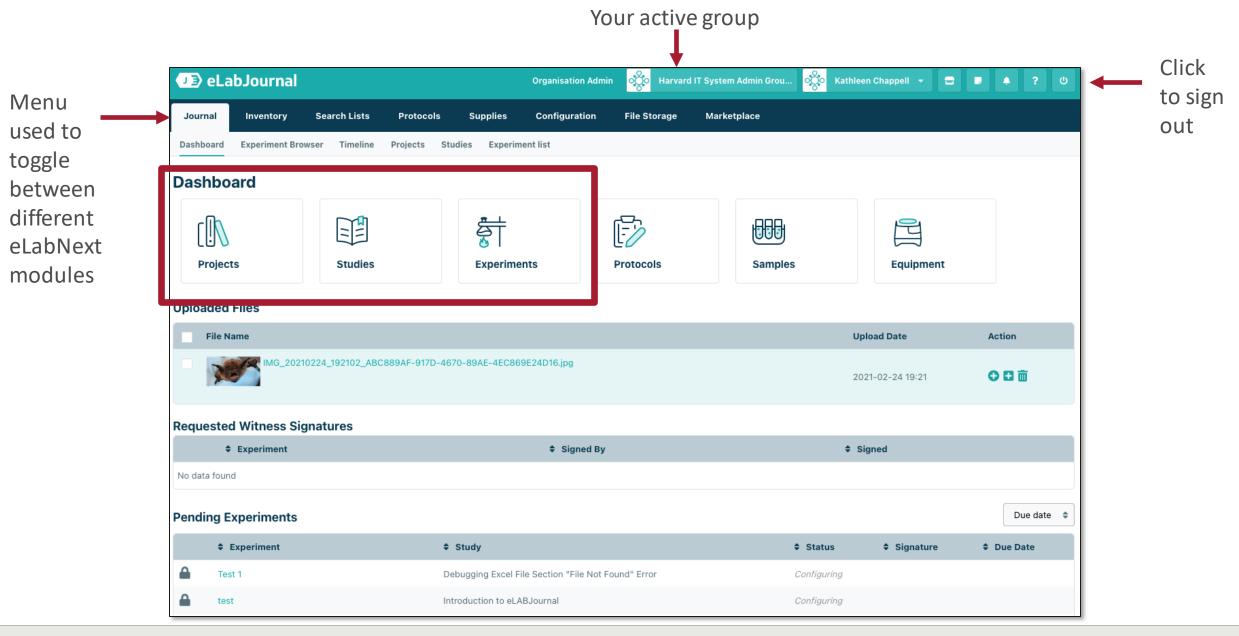




Notebook, protocols and inventory	Notebook, protocols and inventory
HUIT Harvard-wide service	HMS IT Pilot Project
Available to PIs with a Harvard appointments and their lab members	Available to HMS On-Quad Labs, Departments, and Cores
\$120/user/year	N/A for HMS on-quad users during pilot
Login with Harvard Key at harvard.researchspace.com	Login with HMS ID at elab.hms.harvard.edu
More information available here	More information available here

Now let's look at the features of:

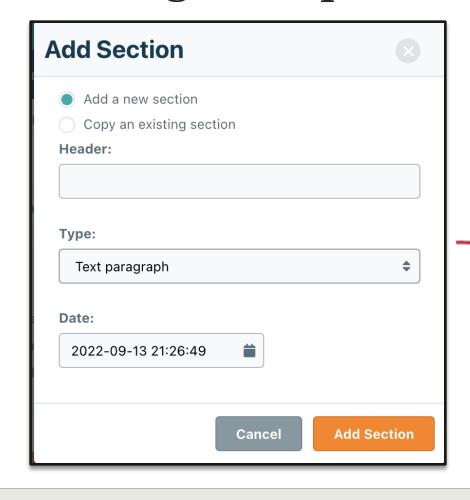


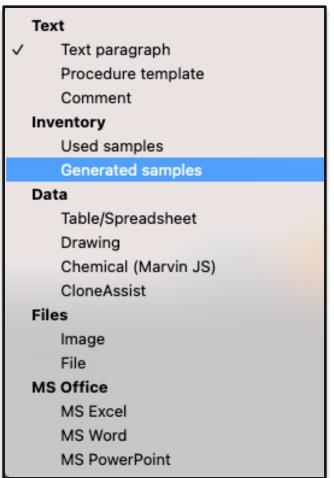


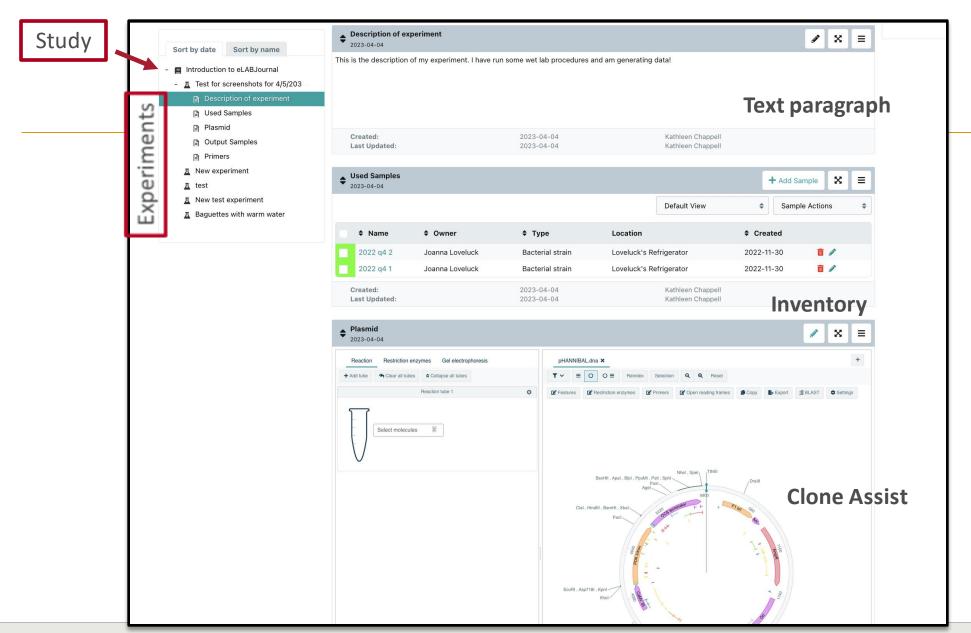
Editing an Experiment



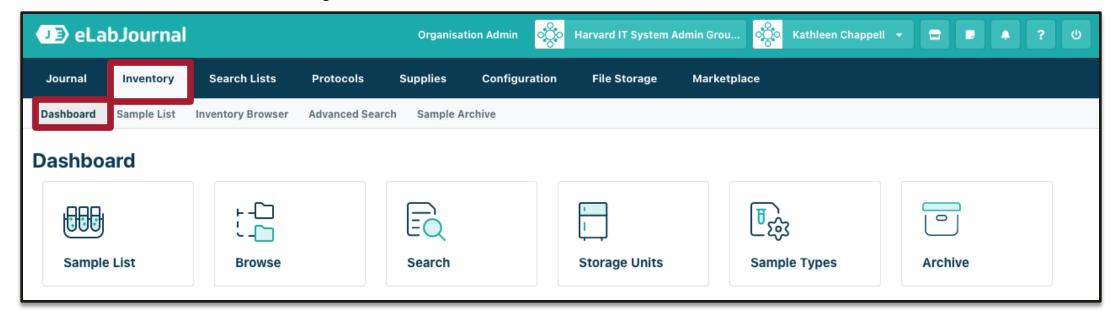
Editing an Experiment: Adding sections







eLabInventory

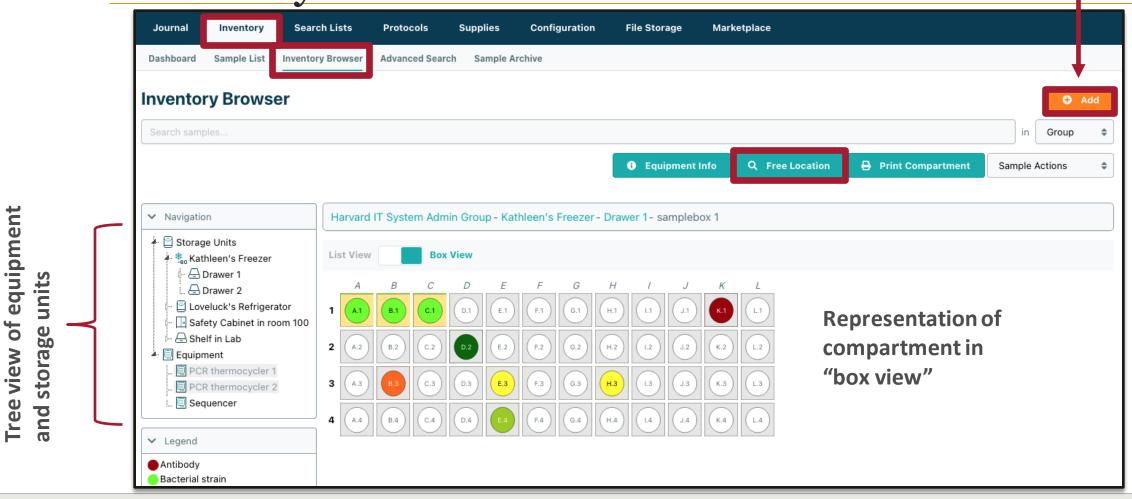


Sample: basic unit within eLabInventory.

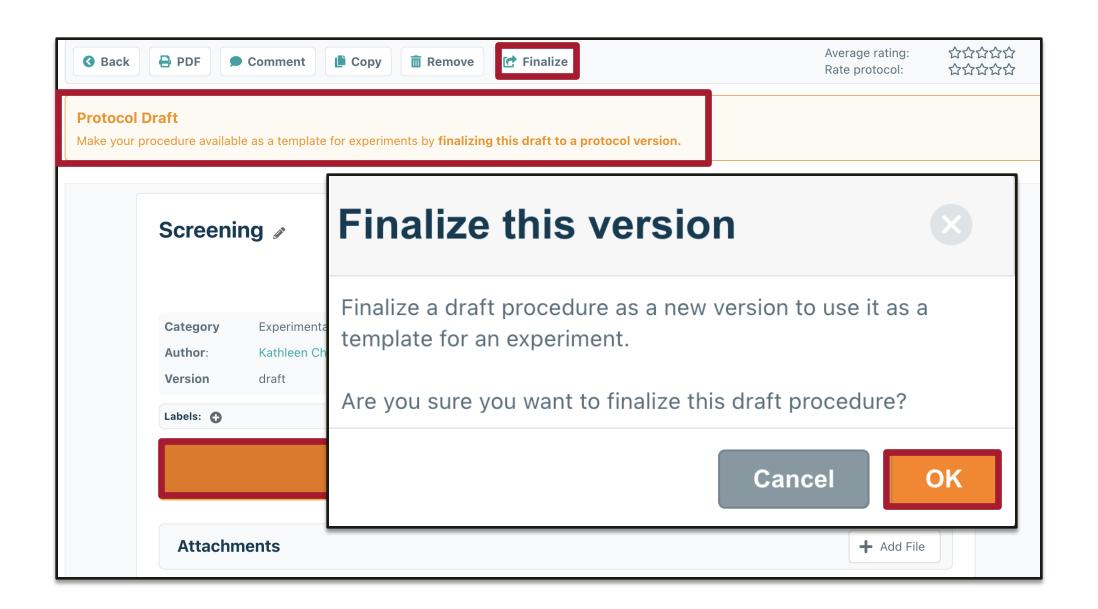
Storage Unit: Contains *Samples* within eLabInventory.

Inventory Browser

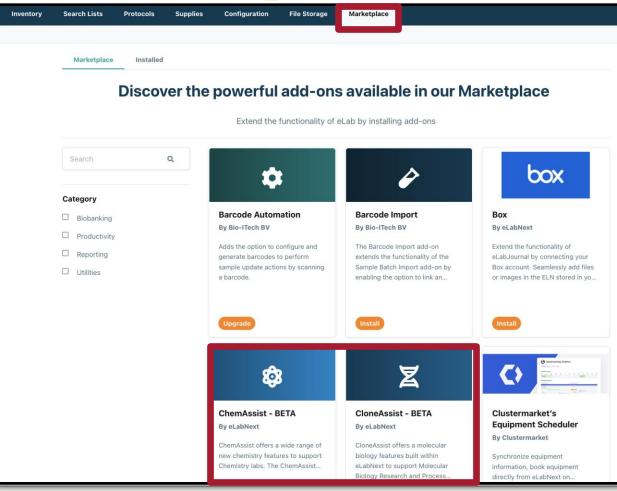
Add a new sample







eLab Marketplace



- Installing apps extend the functionality of the platform
- Many apps that enhance inventory
- Can integrate with cloud storage
- ChemAssist and CloneAssist
- Some apps are not free

Who is using eLabNext?

Labs



5 labs, 36 total users

Departments: Cell Biology, Genetics, Immunology, Neurobiology eLabJournal is primarily used.



Cores

4 Cores, 11 total users eLabInventory is primarily used.

Who Supports It



The **Research Computing Operations** team supports the eLabNext platform ensuring the system is up and running.



The Research Computing Consultants provide training, onboarding assistance, email-based support and consultations.

How to Signup for the eLabNext platform

- Contact <u>rchelp@hms.harvard.edu</u>
- Test accounts are possible if you'd like to get a feel for the system without any commitment.

Eligibility Requirements:

- Be part of an HMS On-Quad Lab, Core, or Department
- Have PI's approval
- Have an HMS ID

Thank you for your attention!

Questions?

