

# OpenLAB

# Electronic Lab Notebook

CAPTURE



ANALYZE



SHARE

**Antoni Wandycz**  
**Agilent Technologies, Inc**  
**ChemAxon UGM, Boston**  
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# Agilent Technologies

Premier global provider of  
***instrumentation, software, & services*** for  
chromatography, mass spectrometry, spectroscopy &  
genomics laboratories



# OpenLAB Software & Informatics

## Data Systems

- Capture
- Analyze



## Professional Services

- Plan
- Integrate

## Content Management

- Share
- Protect

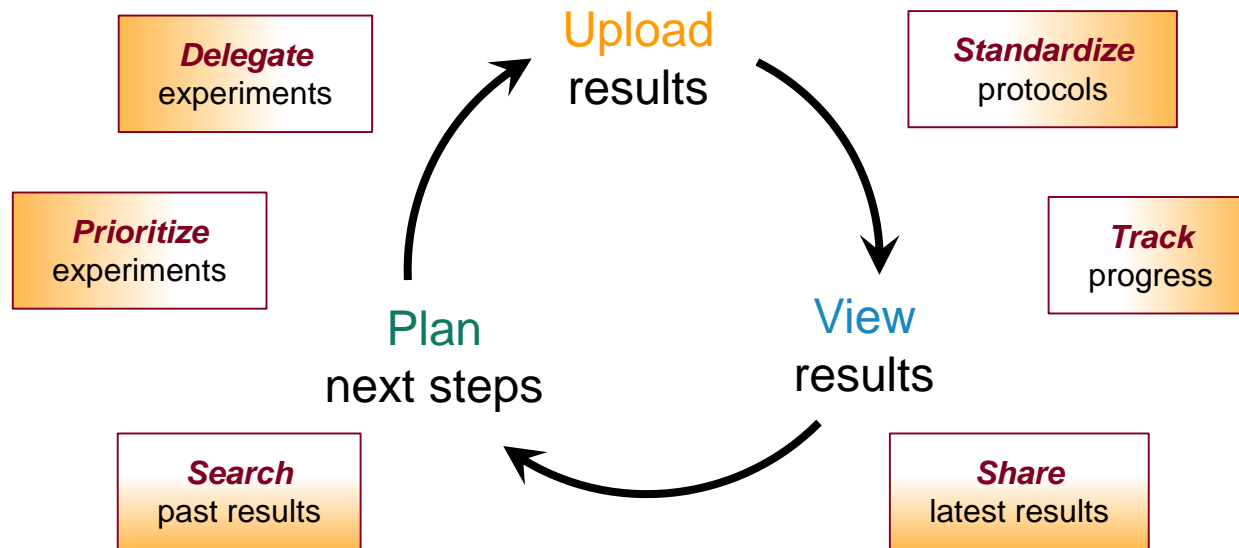
- Capture
- Analyze
- Share

*Electronic Lab Notebook*



# OpenLAB Electronic Lab Notebook

*Speed up your lab's cycle time*



**Central Hub** for sharing information



# OpenLAB Electronic Lab Notebook

- Easily import files

– Drag-and-drop files a page . . .

Project: Oncology, Work Package: WP1, Line Item: LI1, Target: [empty]

Samples | Protocol +/-

Description: CalibrationProtocol-P01B.pdf

or link to a file . . . from any instrument!

Project: MAO-B Inhibitors, Work Package: KLB-0703, Line Item: [empty], Target: [empty]

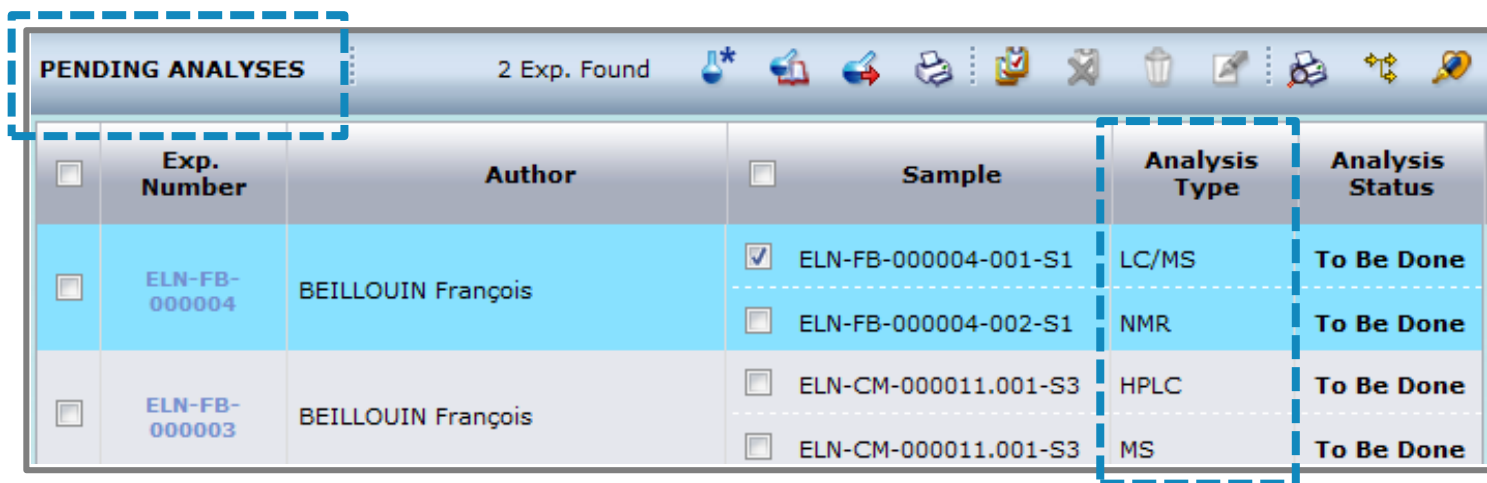
Results Description

Dilution factor	Dead cells	Viable cells (%)	Concentration (10 <sup>8</sup> cell/ml)	Viable cell concentration (10 <sup>6</sup> cell/ml)
2	3	97.0	0.1	0.097

– Create templates & forms to standardize workflows and avoid errors

# OpenLAB Electronic Lab Notebook

- Collaborate across teams + *disciplines*
  - Share results / SOPs with teammates — in-house or across the globe — *in real time*.
  - Delegate tasks to the appropriate lab or person within your organization



The screenshot displays a software interface for 'PENDING ANALYSES'. At the top, it indicates '2 Exp. Found' and includes a toolbar with various icons for actions like adding, deleting, and printing. Below this is a table with the following columns: Exp. Number, Author, Sample, Analysis Type, and Analysis Status. The table contains three rows of data, each representing an experiment with multiple samples.

<input type="checkbox"/>	Exp. Number	Author	<input type="checkbox"/>	Sample	Analysis Type	Analysis Status
<input type="checkbox"/>	ELN-FB-000004	BEILLOUIN François	<input checked="" type="checkbox"/>	ELN-FB-000004-001-S1	LC/MS	To Be Done
<input type="checkbox"/>			<input type="checkbox"/>	ELN-FB-000004-002-S1	NMR	To Be Done
<input type="checkbox"/>	ELN-FB-000003	BEILLOUIN François	<input type="checkbox"/>	ELN-CM-000011.001-S3	HPLC	To Be Done
<input type="checkbox"/>			<input type="checkbox"/>	ELN-CM-000011.001-S3	MS	To Be Done

- Track experiment progress *at-a-glance*
- Flexible to meet the needs of Chemists, Biologists, and Lab Managers alike!

# OpenLAB Electronic Lab Notebook

- Helps you enable a compliant lab environment
  - Built-in **audit preparedness** with OpenLAB ELN includes:
    - Audit Trail
    - E-signature enforcement
    - Controlled access
    - Version control
  - Save time & energy
    - When auditors ask questions, *search* & pull up the data in minutes!



# Customer Testimonials

**“The real value of OpenLAB ELN is in the ability to recover data after it’s captured for use in decision-making.”**

*--Dr. David Knowlton, Sr Scientist & Systems Admin  
RaNA*

**“E-Transparency® gives us a strategic advantage.”**

*--Dr. Kelly Zaleski, Director of Product Development  
BioConvergence*

**“The most advanced QC labs in our industry....we have traceability throughout the whole process”**

*--David Vollmer, Senior Director QC  
4Life*





# OpenLAB Electronic Lab Notebook

- Future ELN version (early 2015)

## – Mobile:

- Search, View
- E-signature
- Capture Pictures & Notes (text or voice)
- Syncs with cloud or on-premise ELN

## – Cloud:

- Rapid deployment, Flexible pricing models, etc.



# *Thank you!*

visit **www.agilent.com**

or contact your local Agilent Technologies sales representative

**OpenLAB**  
CAPTURE • ANALYZE • SHARE

Gloria Olivier, PhD  
OpenLAB **Electronic Lab Notebook**  
Product Manager

gloria.olivier@agilent.com

# The ELN Advantage

- Metadata handling is often ad hoc (paper notes or Excel)
- OpenLAB ELN reduces errors, adds traceability, speeds publication

	Paper	Excel	ELN
<b>Metadata entry</b>			
Free-form text input	X	X	X
Easily copy selected values		X	X
Prevent copy-and-paste errors			X
Require certain fields			X
Check data range, units, format			X
Check multiple entries across forms			X
Require review and approval			X
<b>Metadata handling</b>			
Long-term storage	X	X	X
Easy backup		X	X
Version control			X
Concurrent global access			X
<b>Metadata analysis</b>			
Simple cross-referencing		X	X
Complex manipulation and aggregation			X