

SUMMARY

Catalyst

Ovum View

Key Messages

Data management software must be implemented to remove R&D silos and enable collaboration

A corporate data and knowledge management strategy must be in place before technology is adopted

A paperless environment is just an added benefit of ELN adoption, not the primary benefit

The future of laboratory informatics needs to be an integrated platform

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Cheat sheet: differentiating between LIMS and ELNs

Traditional LIMS is all about the sample and laboratory automation

An ELN's core function is to replace paper lab notebooks

The ELN market is divided

LIMS + ELN + analytics = integrated laboratory informatics platform

Although the LIMS market is mature, new use cases are emerging

The development of best practices facilitates the development of COTS LIMS

Enterprise-wide LIMS is what pharma really needs

The ELN market is set to grow as knowledge management becomes a priority

The millennial generation of scientists will drive adoption of ELNs

ELNs get a makeover

Recession and lack of budget can be excuses for only so long

Senior management and end users have different views on which IT solution is best

BUSINESS FOCUS: INCREASING EFFICIENCY THROUGH DATA MANAGEMENT

Data management software must be implemented to remove R&D silos

LIMS and ELNs are crucial to an industry undergoing rapid globalization

Laboratory informatics facilitates collaboration required for translational medicine

LIMS and ELNs help track progress of research studies and make better sense of the data

A paperless environment is simply an added benefit, not the primary benefit

ELN should stand for efficient laboratory notebook

Paper can be destroyed much faster than a server

ELNs offer better options for long-term archiving and retaining of information

A data and knowledge repository is a scientist's best friend

What's the preference: illegible handwriting or typed documentation?

TECHNOLOGY FOCUS: EVOLUTION OF THE LABORATORY INFORMATICS PLATFORM

As a hefty investment, LIMS better deliver

LIMS has come a long way since its conception

Out with costly customizations, in with (relatively) easy configurations

Enterprise-wide deployment needs to ensure specific use cases are still possible

Can an ERP system do the same thing as a LIMS?

ELNs must retain paper's positive attributes and remove the negative ones

A new data entry system should be intuitive and easy to use

ELNs need to cater to different disciplines and applications

An ELN is useless if it cannot integrate with other IT systems

The future of laboratory informatics needs to be an integrated platform

An integrated informatics platform requires partnerships between LIMS and ELN vendors

The R&D LIMS and ELN space is crowded, but a few vendors stand out

CambridgeSoft
GenoLogics
IDBS
Sapio Sciences
Symyx
Thermo Fisher Scientific

RECOMMENDATIONS

Recommendations for pharma and biotech enterprises
Develop an organizational data and knowledge management strategy before technology adoption
Match company needs to IT, not vice versa
Do not over-emphasize hard ROI
Recommendations for vendors
Listen to the customers and help them understand what IT solutions best meet their needs
Form partnerships with other software vendors to provide a laboratory informatics platform
Be active in the creation of standards for R&D data exchange

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