

The Next Generation LIS

What it will look like and who will build it

John Gilbertson MD

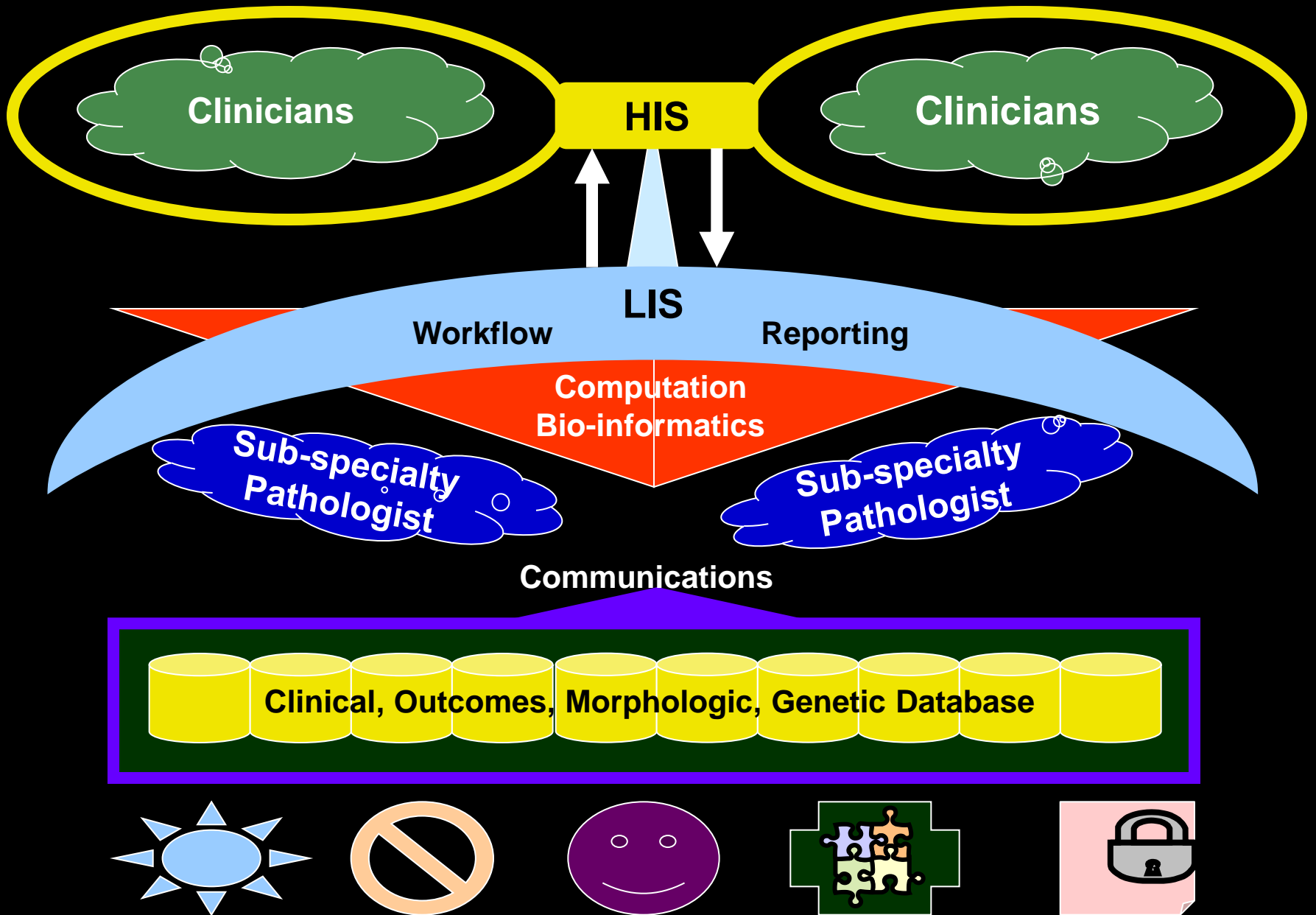
Associate Chief of Pathology
Director of Pathology Informatics
Massachusetts General Hospital
Associate Professor of Pathology
Harvard Medical School

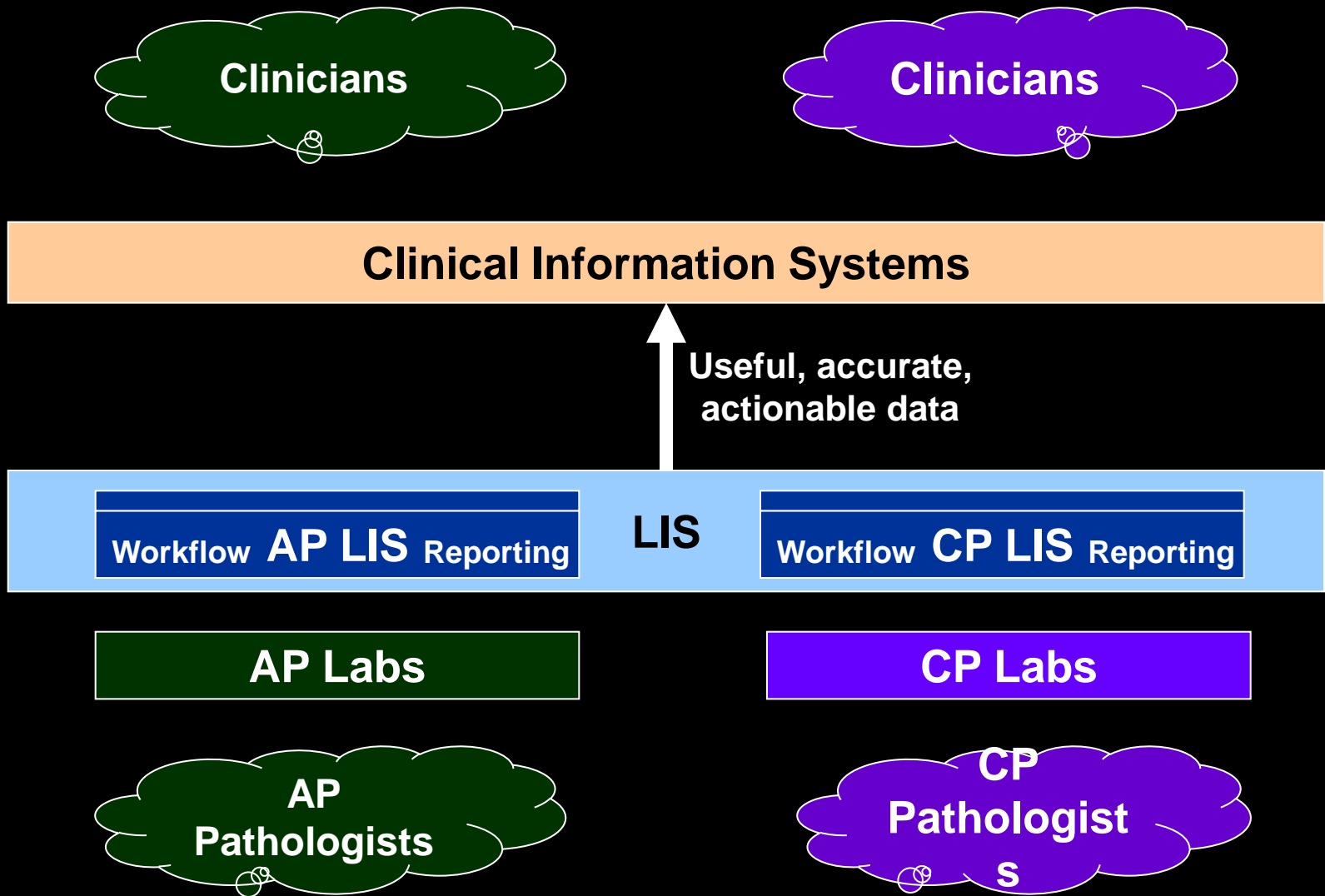
**No personal conflicts
(vide infra)**

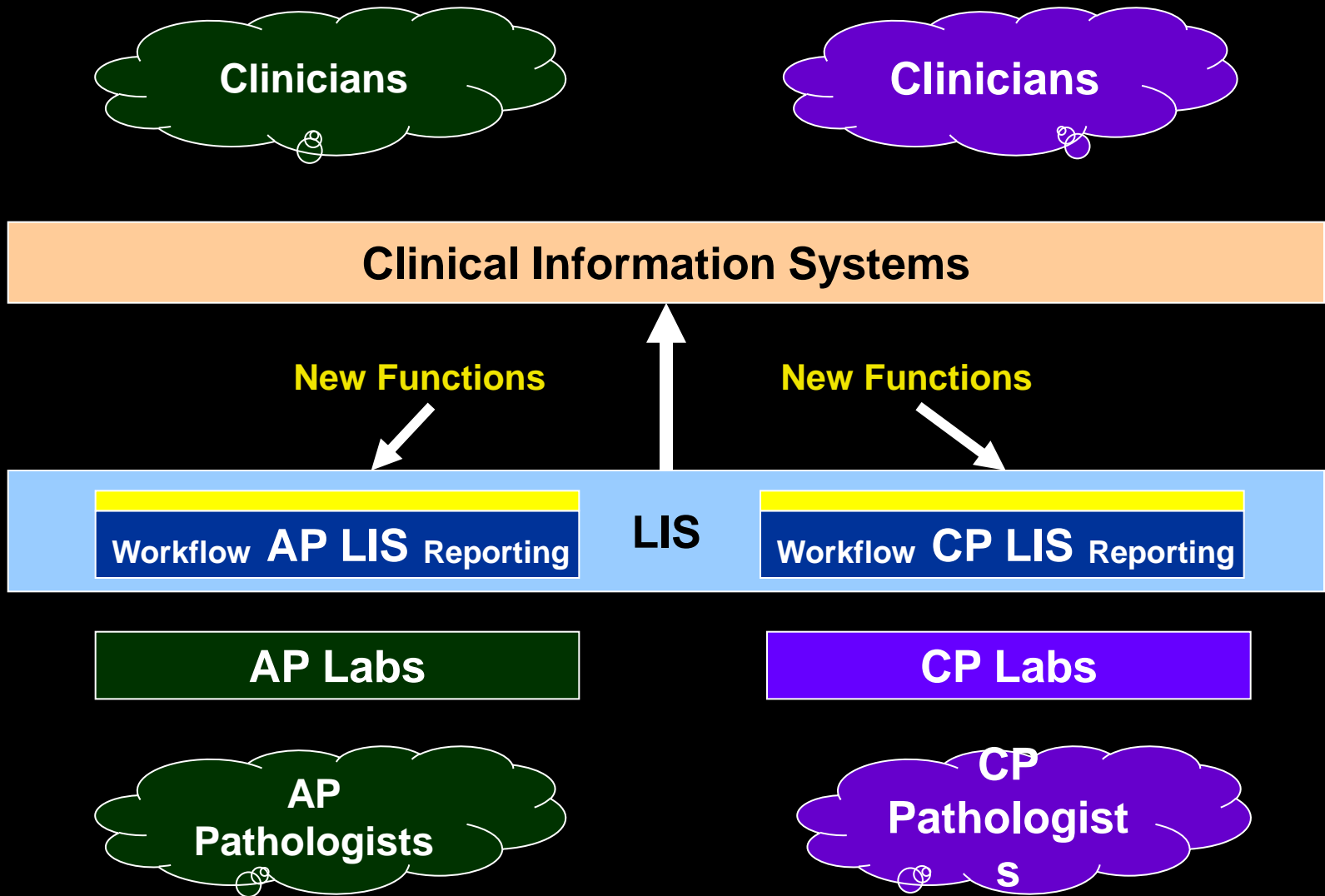
**MGH / Partners and Sunquest have a 10 year collaboration agreement
to co-develop aspects of the Sunquest AP LIS**

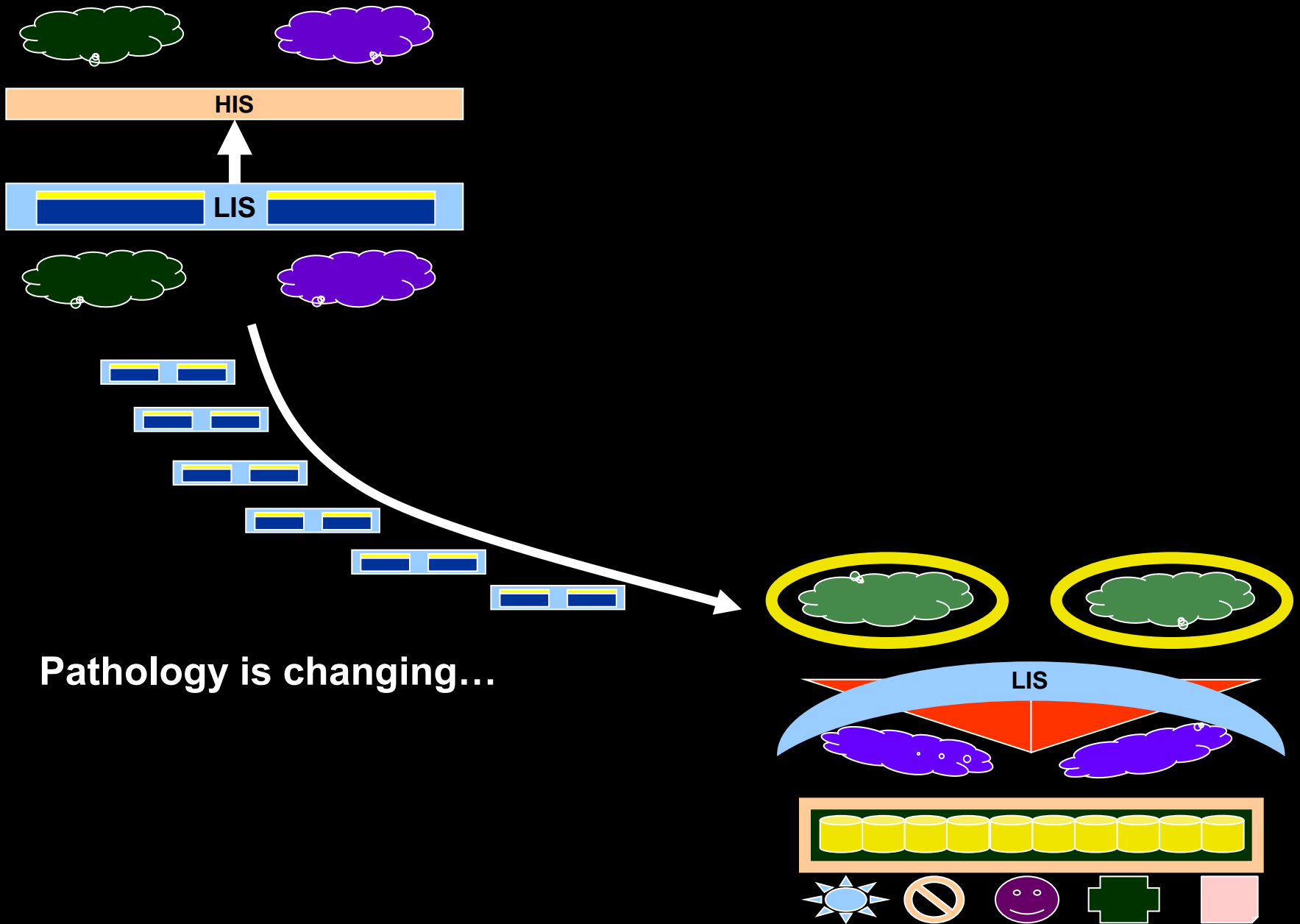


I don't know what a "Next Generation" LIS is...

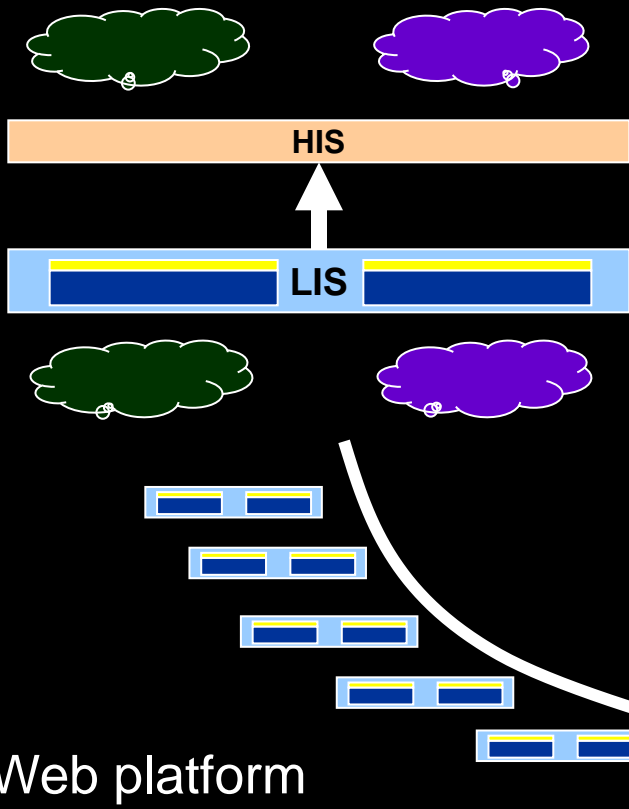






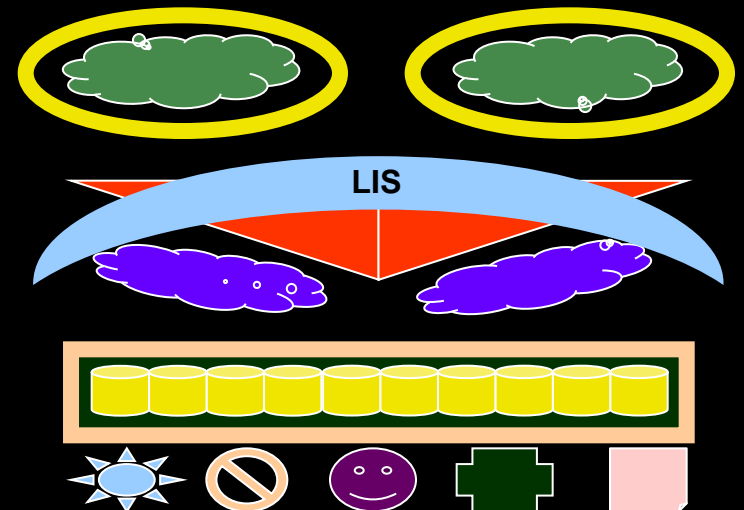


Pathology is changing...



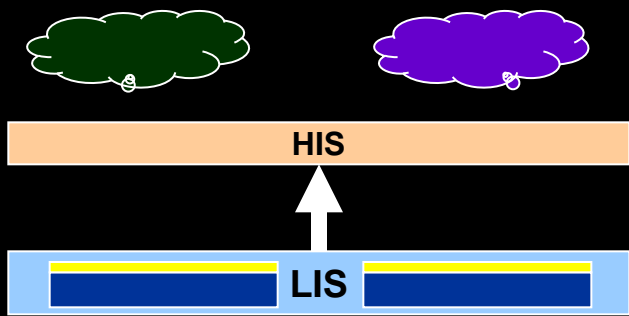
- Support for ISO, Lean and cGMP
- Measures of lab productivity and value
- Integrated (AP/CP) protocols
- Better Professional productivity
- Two way HIS/LIS interfaces (70/70/0)
- Internal & external communications
- Data that is digital and structured
- Support for teaching and research
- Support with Regulation

- Web platform
- AP automation
- Imaging and imaging support
- Better support of archives
- English muffins with butter and jam
- Better support of outreach
- Molecular and Genomic



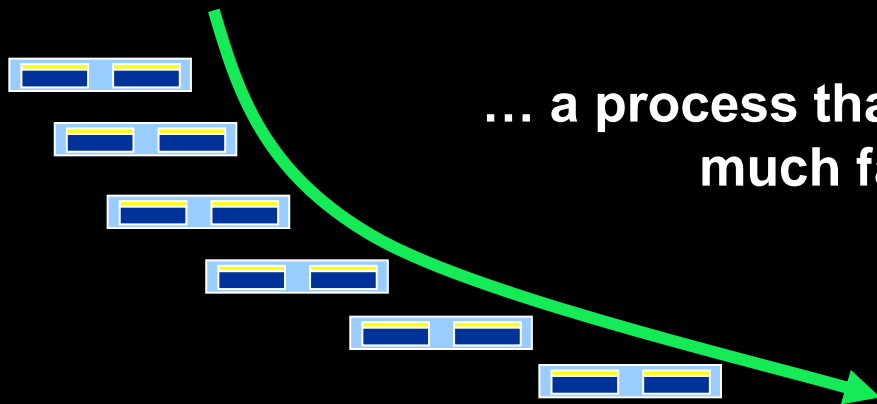
It is the rate of development that worried us

The next generation LIS is not an LIS at all

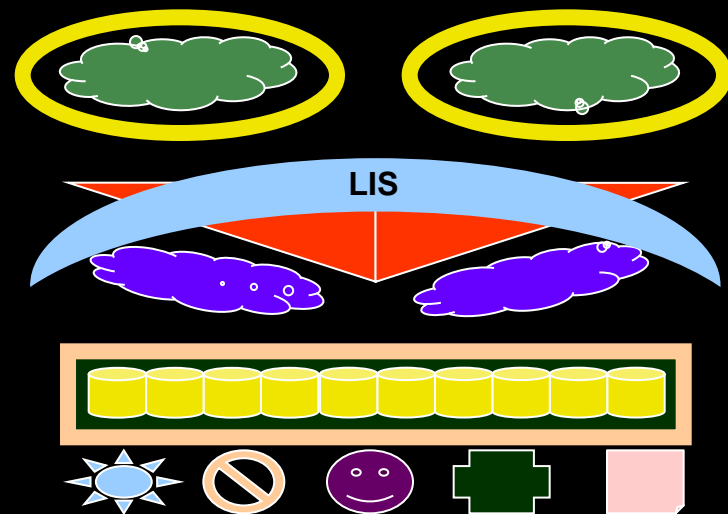


Such a process would take substantial resources...

... a process that drives LIS development much faster than before



... so we looked for collaboration partners



**We went to the LIS industry and found that Sunquest
shared our vision of what the AP LIS could be...
... and what collaboration could accomplish**

I am going to talk out the MGH-Sunquest collaboration

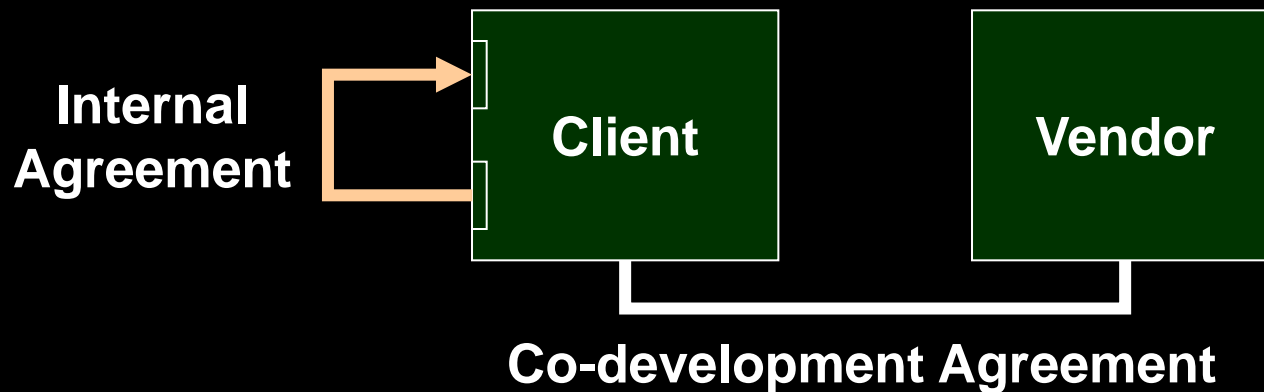
It is the **process by which we drive advancements in the LIS**

Formal **relationship between a pathology informatics group
and a major LIS vendor for benefit of both**

It seems to be going well

I will not be talking about products created

After a year of negotiation, MGH and Sunquest signed a ten year collaboration agreement to co-develop aspects of Sunquest's AP LIS product



This is not customization

Both parties provide resources

Sunquest owns the results

If the product is successful, MGH gets a revenue stream

This is not customization

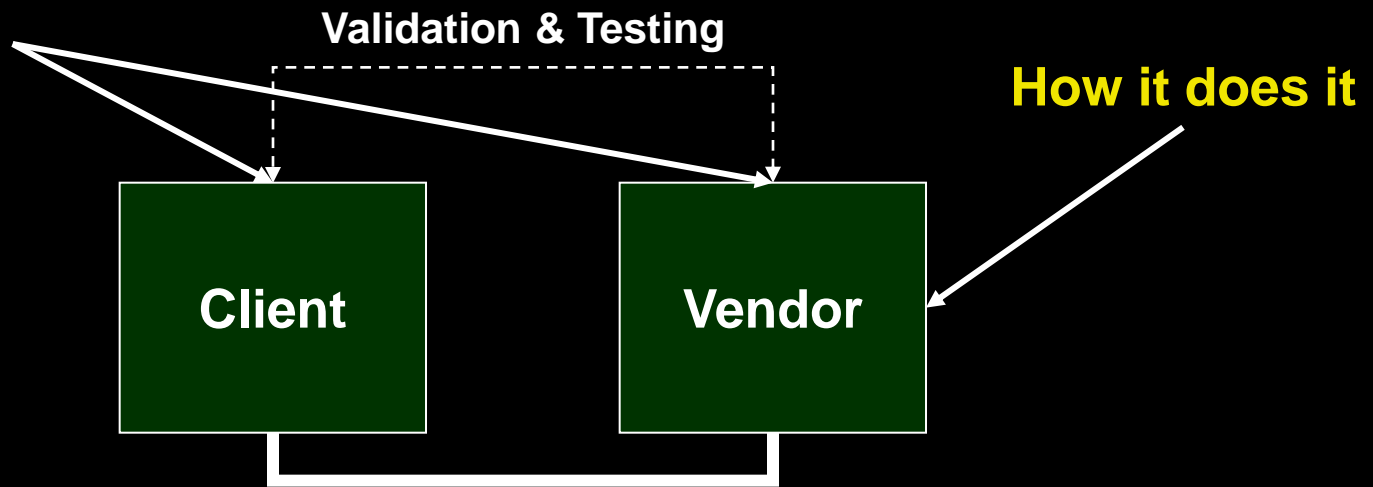
Part of Sunquest's standard AP LIS development process

Results become part of the "generally available" Copath build

Released annually as part the upgrade process

A very active, time consuming process

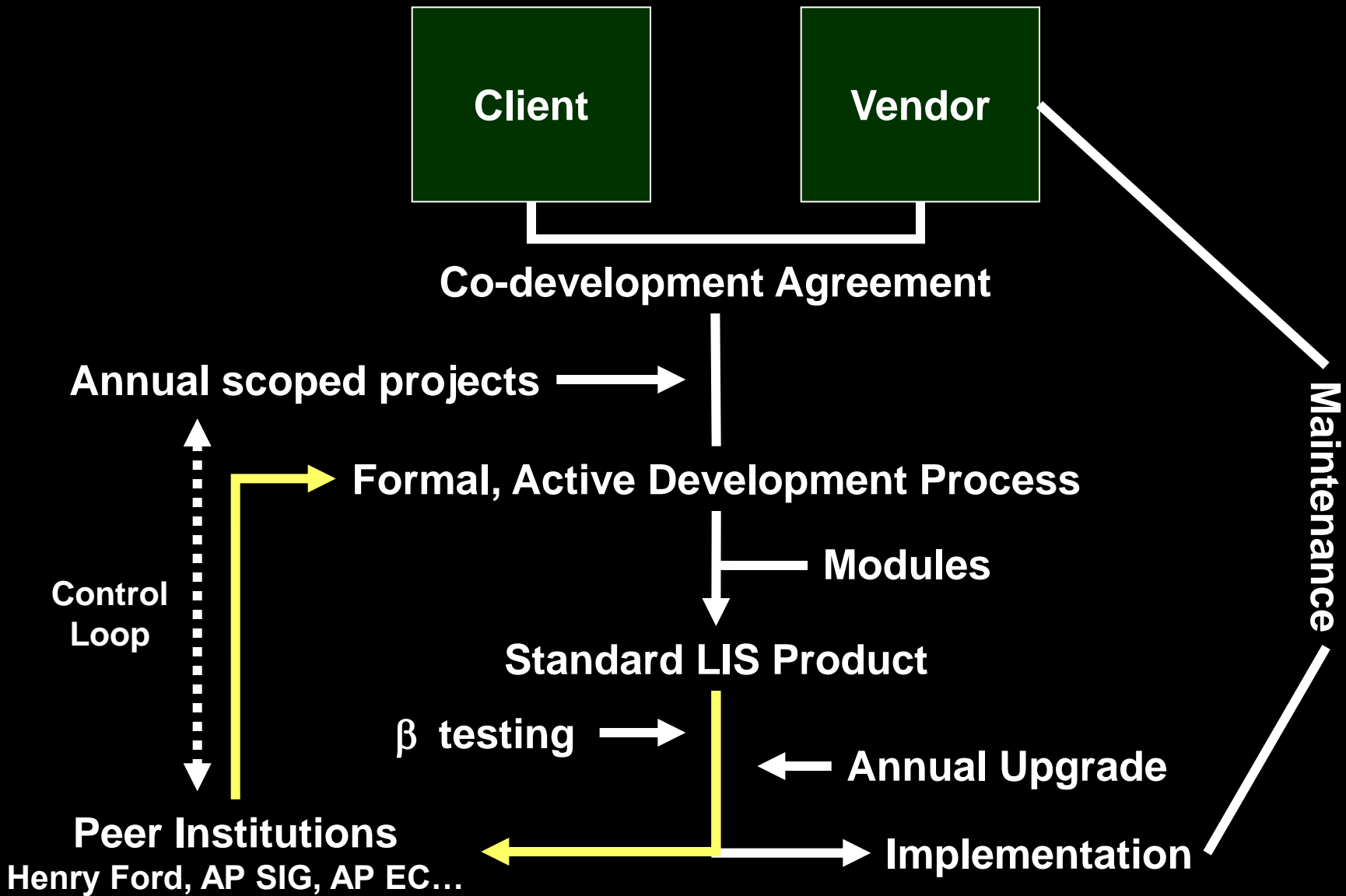
**What the
system does**



**The users (pathologists)
should decide what
their tools do**

**The tool maker
should decides how
the tools are made**

**A competitive market will cause good
functionality to be accepted by all vendors**



**The institution
must have
resources**



**The industry
partner must
believe**

Co-development Agreement

Development has much faster, generalize-able and maintained



**The peers
must trust
each other**

The Next Generation LIS

A collaboration

A relationship between industry and pathology informatics

A process that drives LIS development much faster than before

Commitment (and risk) resources

One does not get free stuff

IT budgets do not go down

...but we are getting a better LIS

The hardest part is finding the time, resources and the people

One needs dedicated pathology informaticians



Pathology Informatics Fellowship Retreat - - MGH August 2011

Wednesday October 5

Pathology Informatics 2011

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