The Daily Scan

Aperio's daily news and views about Digital Pathology

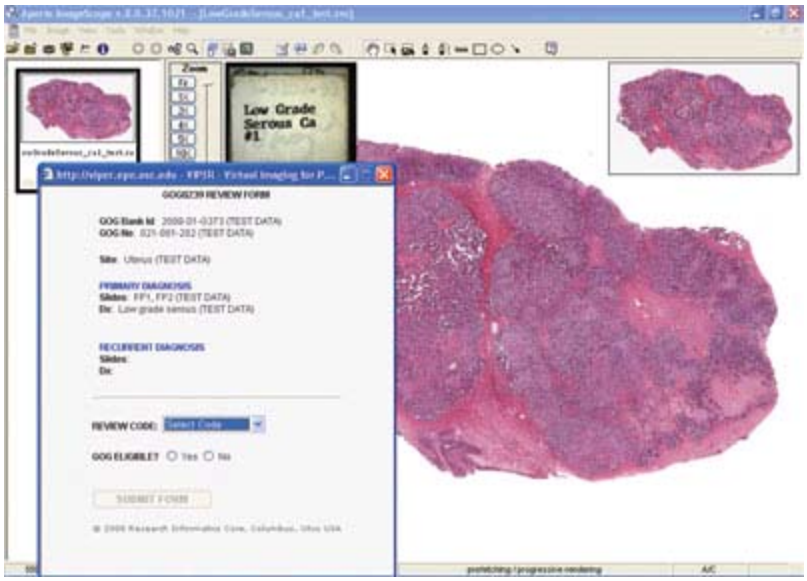
November 02, 2008

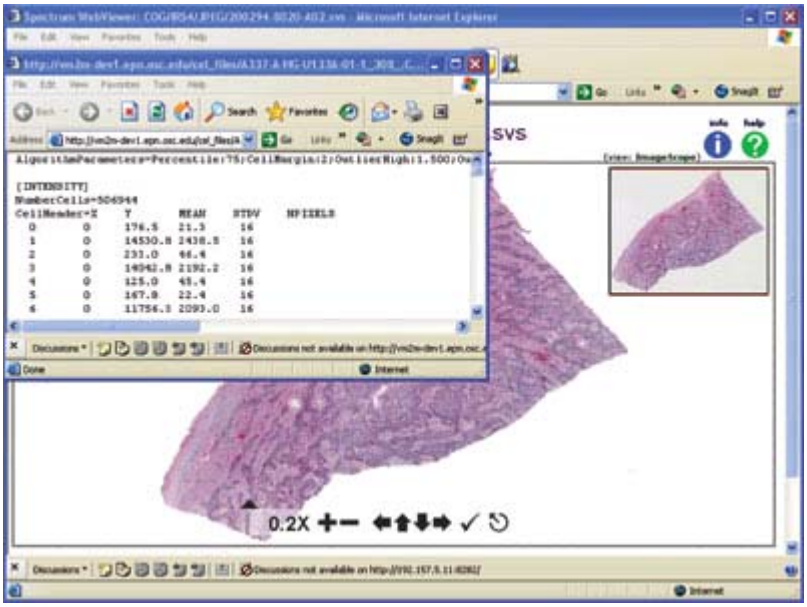
OSC, partners developing cancer microscopy, microarray database

I love this - a press release from the Ohio Supercomputing Center: OSC, partners developing cancer microscopy, microarray database:

> Researchers in Columbus, Ohio, and Los Angeles are collaborating on a groundbreaking effort that, when fully implemented, will allow health care experts around the world to have comprehensive information about a patient's tumor at their fingertips.
>
> Led by the Research Institute at Nationwide Children's Hospital, Childrens Hospital Los Angeles and the Ohio Supercomputer Center, the Virtual Microscopy to Microarray project, or VM2M, aims to bridge the worlds of pathology, genetics and medical treatment. These data are necessary to implement "personalized medicine," the growing approach of tailoring treatment to the individual and delivering the right dose of the right therapy to each patient. To be effective with these targeted and less toxic therapies, specialists require quick access to genetic information about the patient's tumor and the specific cancer type.

Aperio is not mentioned, but the screen shots are unmistakable:





Quoting from the release:

> Three main components comprise VM2M: high quality digital microscopy scans of tumors, microarrays of the same tumors that detail their specific genetic code, and the new underpinning technology -- software, data storage, and network access – that enables viewing the two simultaneously.

This is the sort of thing people can do building on our technology... pretty cool...

Posted by Ole Eichhorn at 08:46 AM | Permalink

Comments

Very cool! This is the sort of thing that I have been doing with Spotfire and a little bit of HTML/PHP for research work. It's great to see these data mashups showing up in clinical pathology.

Posted by: Jim Deeds | November 03, 2008 at 07:37 AM

Ole, you are absolutely right in that we use Aperio's technology for the digital pathology piece of this. We are working on version 2 which will add several new data sets as well as new disease types.

Posted by: tjbarr | November 03, 2008 at 08:23 AM

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