

Newsbytes

continued from 65

degree in computational biology and multiomics in Paris. To build a solution, he joined with Ketan Bacchuwar, PhD, a colleague in Paris who earned a doctorate in medical image processing. Dr. Bacchuwar is cofounder and chief technology officer of Crosscope. Both participated in the Stanford University School of Business Ignite entrepreneurship program before launching their company last October. Through the program, they obtained strategic professional advice about their business idea and met a pathologist who would become one of their company advisors.

Jeanne Shen, MD, an assistant professor of pathology at Stanford University School of Medicine and the aforementioned advisor to Crosscope, is using Crosscope Scholar to collaborate on an international research project with approximately a dozen cancer institutes, predominantly in Europe. "It's a huge challenge to do these multi-institutional studies with digital pathology because the data are so large that each file is on the order of several gigabytes," she explains. "What we used to do was just ship physical hard drives around with whole slide images on them. But with Crosscope, it has been a lot easier because everything [is] in the cloud and all you need to do is have your collaborators create an account, and then you can share your images with them."

Cloud-based computational pathology can give you "an ability to quickly do things that took a long time before or were a little bit more awkward," confirms Dr. Zuckerman.

As Crosscope undertakes proof-of-concept testing for Crosscope Dx, it is also participating, as a



Dr. Shen

Sysmex America releases workflow application

Sysmex America has introduced its cloud-based Caresphere workflow solution, hosted by Amazon Web Services.

"Caresphere WS is simple to implement, highly secure, and provides laboratorians with organized clinical data, standardized result interpretation and auto-verification, and comprehensive reports for regulatory compliance," said Andy Hay, chief operating officer of Sysmex America, in a press release.

Sysmex supports the entire implementation process for Caresphere and provides real-time monitoring, security updates, unlimited training, and technical assistance for the life of the application. In addition, rules and configuration wizards allow laboratories to customize the software to fit their needs and standardize processing and resulting across all of their locations.

Sysmex America, 847-996-4500

Paige secures FDA clearance for digital pathology viewer

Paige has received FDA 510(k) clearance for use of its FullFocus digital pathology image viewer for primary diagnosis.

The clearance permits the in vitro diagnostic use of FullFocus with Philips' high-throughput, bright-field Ultra Fast slide scanner and with other whole slide scanners in the future.

"The foundation for the FullFocus viewer was initially created and validated at Memorial Sloan Kettering Cancer Center to allow researchers and pathologists to intuitively view and navigate digital images of surgical pathology slides acquired on all major commercial brands of WSI scanners," according to a press release from Paige. "After refinement based on 18 months of daily use for retrospective slide review by dozens of practicing pathologists at MSK, the viewer was further enhanced by Paige to meet the perfor-

Amazon Web Services cloud.

Under this arrangement, Thermo Fisher will manage the entire deployment process, from installation and maintenance to backup and recovery. However, laboratory clients will retain control of software upgrades and validation schedules.

With this announcement, Thermo Fisher offers three deployment models for SampleManager to meet laboratories' infrastructure needs: cloud services via Amazon, customer-managed cloud services, and traditional on-premise software installation at the customer site.

Thermo Fisher Scientific, 800-556-2323

Xifin index tracks COVID-19 and antibody testing volume

Xifin is providing on its website, as a free service, an index of lab testing volume data generated nationwide for SARS-CoV-2 and antibody testing, which is updated regularly.

"The lab volume index measures billing volume data against a baseline volume, expressed as a percent of baseline," according to an explanation on the company website. "Baseline volume is an average of weekly volumes generated [from] late January through February 2020 and represents current year pre-Coronavirus testing volumes."

The laboratory volume index chart displays weekly volumes of five categories of testing, beginning from March 9. The categories are COVID-19 testing, antibody testing, routine testing, routine plus COVID-19 testing, and routine plus COVID-19 plus antibody testing.

A separate laboratory testing volume chart shows rates of COVID-19, antibody, and routine testing within the categories of pathology, clinical, hospital, molecular, pain/toxicology, and all segments.

Xifin, 858-793-5700 □

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finalist, in the MassChallenge Rhode Island 2020 accelerator program, which culminates next month. The company's founders hope the latter will lead to additional funding and partnership opportunities.

"We are on a mission," concludes Dr. Shinde, "to democratize artificial intelligence-enabled pathology to transform the diagnosis and treatment of cancer."

—*Renee Caruthers*

mance requirements for IVD use, with accurate color reproducibility, optimized viewing speeds, and adherence to a certified quality management system."

Thermo Fisher implements LIMS via Amazon cloud

Thermo Fisher Scientific is offering its SampleManager laboratory information management system via the

Has your lab solved a problem with a unique solution?

If so, we'd like to hear from you

Please send a brief description of your lab's problem and unique solution to CAP TODAY managing editor Kim Carey at kcarey@cap.org and we may report on it in CAP TODAY.