Proscia partners with Asan Medical Center, Huron Digital Pathology, 4/17

April 2017—Proscia, a data solutions provider for digital pathology founded in 2014 by a team from Johns Hopkins, the Moffitt Cancer Center, and the University of Pittsburgh, and Asan Medical Center, a South Korean clinical and biomedical research institute, announced a partnership focused on developing tools that enable predictive medicine in the fight against cancer. The goal of the collaboration is to leverage mathematical oncology and novel deep-learning approaches to provide predictive insight into the likelihood of lung cancer lymph node metastasis, improving physicians' abilities to prescribe targeted cancer therapies.

Advances in digital pathology have enabled the extraction of clinically relevant quantitative histological information from cancer tissue. In early results, Proscia has demonstrated the ability to use this quantitative histology to determine the likelihood of lymph node metastasis in breast cancer. In the first phase of its collaboration with Asan Medical Center, Proscia will develop an automated algorithm for metastasis prediction from primary lung tumors. Over time, the organizations will leverage Asan Medical Center's clinical expertise to expand metastasis prediction to multiple tumor types.

"As cancer treatment shifts towards new therapies and procedures and are less invasive and more precise, the importance of having a clear understanding of each patient's individual cancer has increased as well," Hunter Jackson, chief scientific officer at Proscia, said in a company statement. "This partnership leverages the combined power of quantitative histology and machine learning to generate insights that can give a more complete picture of a patient's cancer."

In a separate announcement, Proscia and Huron Digital Pathology have partnered to provide seamless integration between Huron scanners and the Proscia digital pathology platform. By uploading scanned slides directly from Huron's scanners into Proscia's platform, pathologists have instant access to thousands of images and get immediate feedback from Proscia's digital image analysis, including new learnings and information that cannot be detected or measured by the naked eye. Patterns emerge, helping pathologists make faster, more informed, and accurate diagnoses and treatments.

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