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HistomicsTK: Developing an open-sourced platform for integrated histopathology analysis

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[1]Emory University School of Medicine, USA
[2]Georgia Institute of Technology, USA

Open-sourced so ware is an important resource for research communities, providing transparency, reproducibility and enabling broad engagement among researchers to understand and build upon the communities' work. While mature open-sourced image analysis tools are commonplace in the radiology domain, the digital pathology domain has relatively few open source tools for histopathology image analysis. is talk will discuss ongoing e orts by Emory and Kitware, Inc. to develop HistomicsTK, an open source platform for histopathology image analysis. HistomicsTK enables users to analyze large collections of whole-slide images, providing algorithms for common image analysis tasks including segmentation, feature extraction and classi cation. It provides infrastructure for the parallel execution of image analysis pipelines and enables algorithm/pipeline portability and easy deployment using containerization technology and network-based access to

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