

3DSlicer Pathology and FeatureScape for Linked Radiology/Pathology Image Analysis Competitions

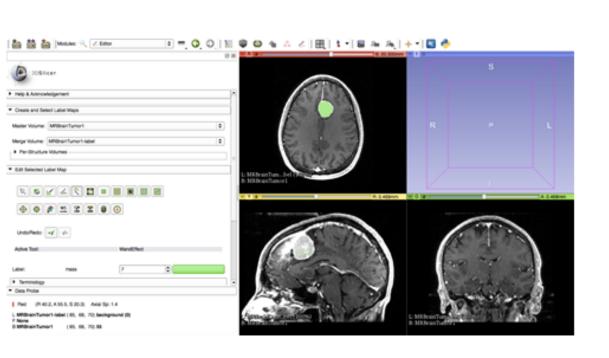
Jonas Almeida (Stony Brook), Nicole Aucoin (Brigham and Women's Hospital), Yi Gao (Stony Brook), Jayashree Kalpathy-Cramer (Massachusetts General Hospital), Ron Kikinis (Brigham and Women's Hospital), Tahsin Kurc (Stony Brook), Arten Mamonov (Massachusetts General Hospital), Steve Pieper (Isomics, Inc.), Jean-Christophe Fillion-Robin (Kitware Inc.), Bruce Rosen (Massachusetts General Hospital), Joel Saltz (Stony Brook), Allen Tannenbaum (Stony Brook)

SlicerPathology components and dependencies

OpenCV - computer vision library

ITK - image segmentation and registration toolkit

3D Slicer Editor module







OpenCV integration

3D Slicer extension: SlicerOpenCV

Can be accessed by any 3D Slicer module

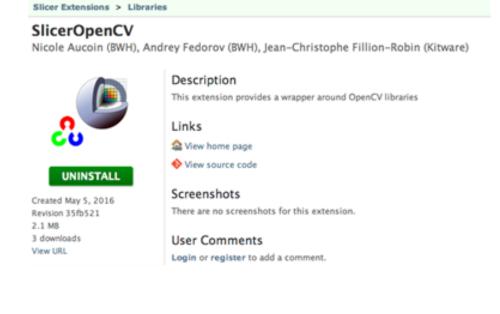
Most OpenCV components that do not require special hardware are included

> Object detection, image codecs, video processing machine learning, camera calibration,

Cross-platform packages for all platforms

ITKOpenCVBridge module of ITK is included for OpenCV - ITK interface

SlicerOpenCVExample illustrates usage for developers/adopters of SlicerOpenCV



SlicerPathology and 3D Slicer ecosystem ▲ 170.223.221.169 talk for this to address ▲ log th request account

- Source code for all extensions is available on github (SBU-BMI organization)
- Documentation reference wiki pages are und slicer.org
- Nightly builds and packaging on the Slicer dashboard

Login A	Login All Dashboards Friday, June 10 2016 10:13:21											
٩	Deshboard	Ealendar E	Slicer4 Previous	Current	P	roject						
4 files changed by 1 author as of Thursday, June 09 2016 - 23:00 EDT												
4 hours age: 50 errors introduced on Windows-VS2013-64bits-QT4.8.7-PythonQt-With-Tci-CLJ-origin-master-Release Nightly-Packages												
		Build Name	Update	Update Configure		Build			Test			
Site			Files	Error	Warn V	Error	Warn V	Not Run	Fail 🗸	Pass	Start Time 💙	
factory-so 64bits.kitv	uth-ubuntu- vare		3-64bits-QT4.8.6- .eaks-Doxygen-		0	0	0	103 4	۰	324''	346.,	11 hours ago
factory.pe	Nab		013-64bits-QT4.8.7 -Tcl-NoCLI-Release		0	2	0.,	1000-2	•	14-11	657-8	10 hours ago
Nightly												

re under cer	Contract Un Contract Un Contracted Un Contracted Un Publication Publication DB Insign Contraction State Training Ching Siloar Documentation State Training User manual Developer manual Help State Contract FAQ Developer TRQ Links download siloar long wide siloar long siloar org siloar org	well as, USI CA180018 Quantitative Imag Klanis and Andrey Pedotos, Brigham and Andrei: Brion Berner Contributor 1: Yi Gao Contributor 2: Noder Ausoin (SPL) Contributor 2: Andrey Fedotos (SPL) Contributor 4: Jean Christopher (SPL) Contributor 4: Jean Christopher Fillion-Rite Contact: Einth Berner, et 101, 3 reservicits	ted by via the NH-National Cancer Institute Grant UD4 CA180918, as a Informatics for Cancer Research (QBCPQ, http://giocorg/9, Pis Ron Women's Hospital.
Stony Brook Oniversity Stony Brook University, Ston		uests issues üist dical Informat nybrookmedicine.edu	ics
Patters • Q. Find a repository FeatureScapeApps FeatureScape apps Updated 43 minutes ago		JavaScript ★0 ₽0	People

age discussion view source history

Documentation/Nightly/Extensions/SlicerPathology

For the stable Slicer documentation, visit the 4.5 page.

https://github.com/SBU-BMI



SlicerPathology and SlicerOpenCV community

NA-MIC Project week twice a year (Summer and Winter)

10+ years of community engagement

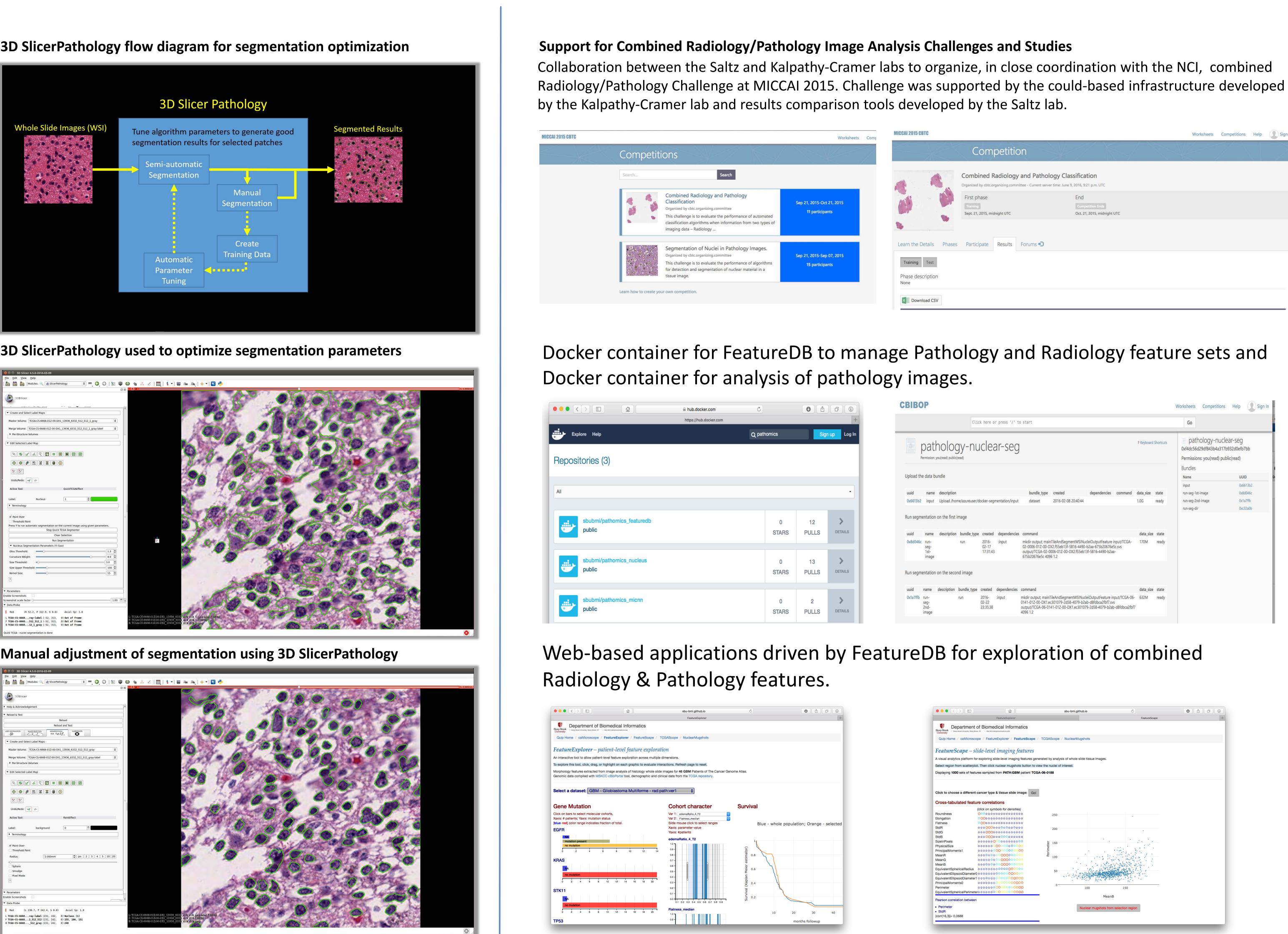
Winter 2016 event: 77 participants

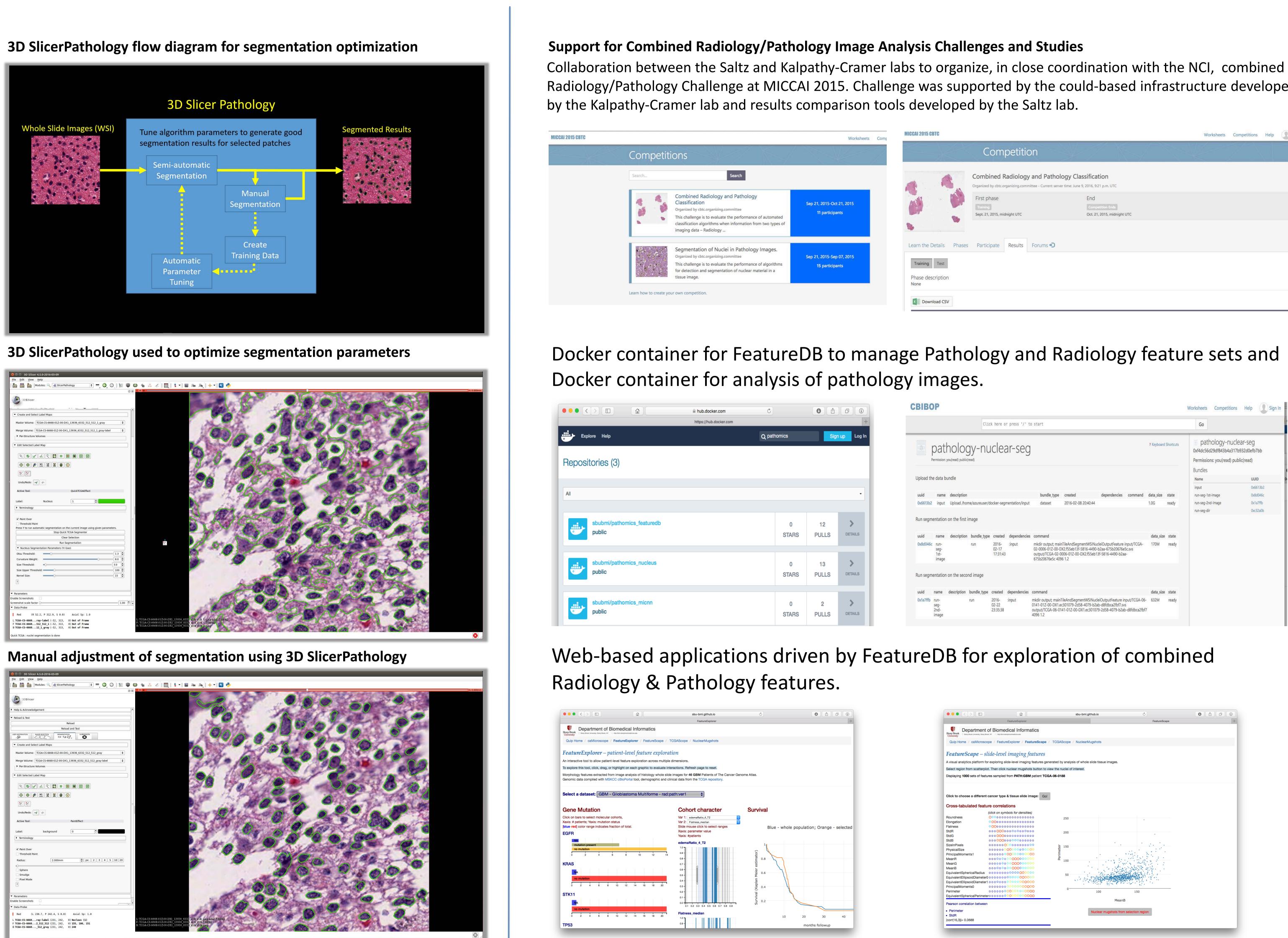
MICCAI-endorsed event

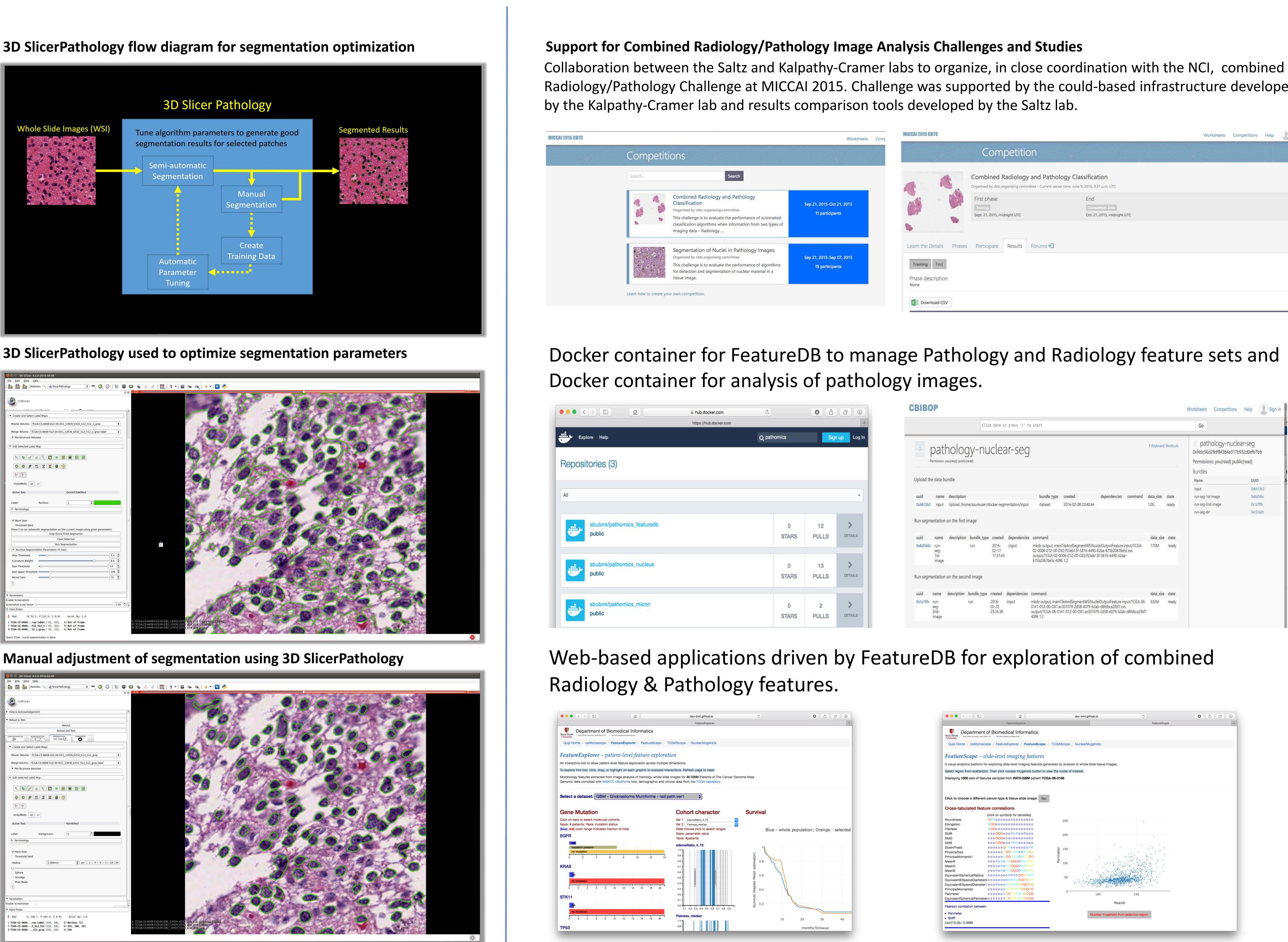
SlicerPathology team participated in the Winter 2016 Project week

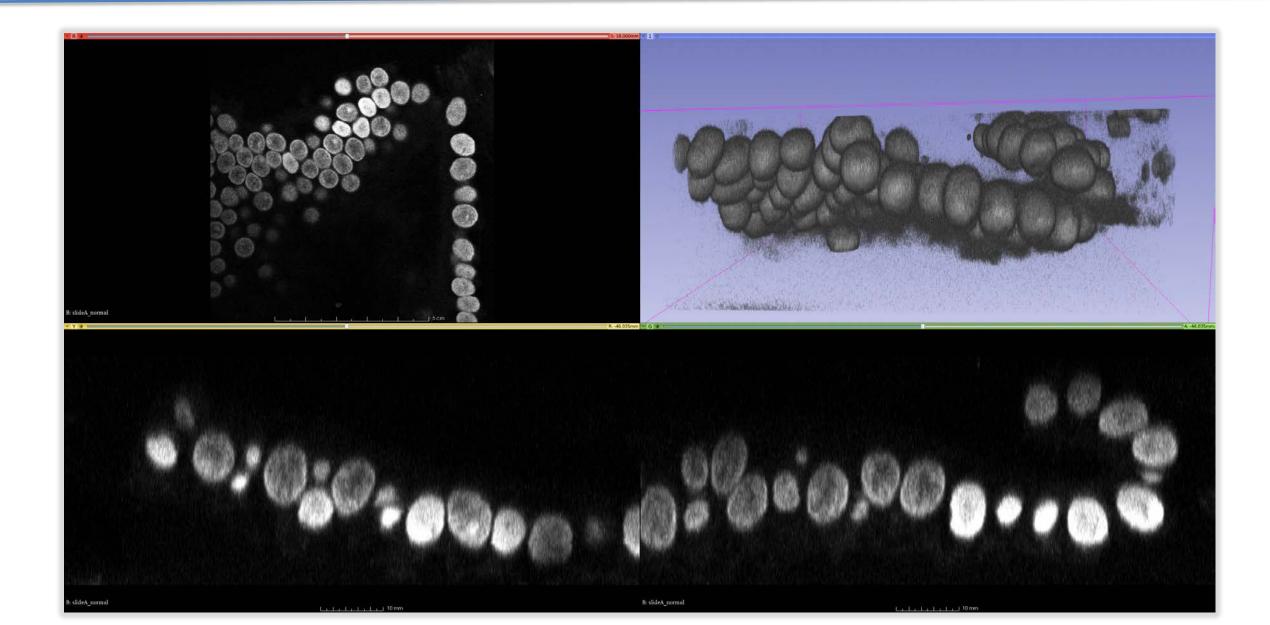
Join us for the next project week!

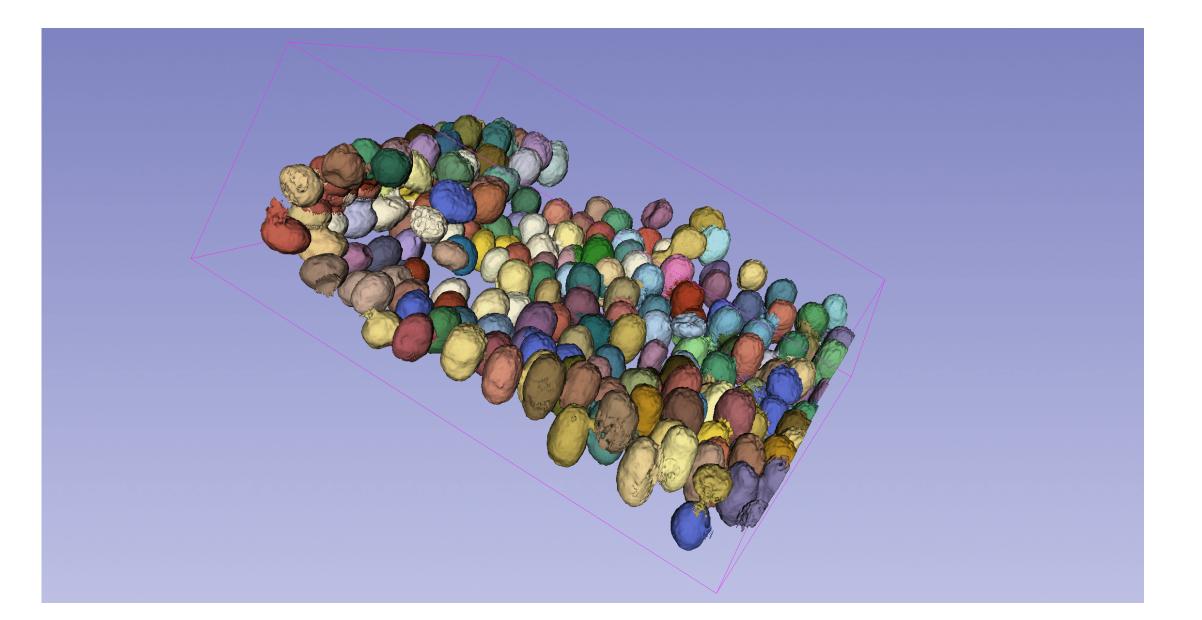












			Worksheets	Competitions Help	Sign In
Ż	Competition	1/1			\sim
	Combined Radiology and Patholog Organized by cbtc.organizing.committee - Current server time				
-	First phase Training Sept. 21, 2015, midnight UTC	End Competition Ends Oct. 21, 2015, midnight UTC			
Phase	es Participate Results Forums •D				
2					
n					
SV					