

DEFINIENS[®]

Understanding Images

The 5 Myths of Image Analysis Holding You Back

Without good solutions for image analysis, you may not be able to extract and mine all the data from your images efficiently, impacting your results and timeline. Find out more about these myths of image analysis and don't let them hold you back any more!

Myth 1: Digital Imaging Only Includes Scanning Tissue Slides

Truth: Getting results in digital pathology is much more than scanning tissue slides. It combines image capture, image analysis and data mining. If you have automated your image capture with a digital scanner, why aren't you also automating your image analysis? Keep up with the volume of digital data your scanners produce by employing an image analysis solution designed to handle the workload.

Myth 2: High Volume Image Analysis is Painful

Truth: Not if you automate it. If you are envisioning high volume image analysis as more and more hours in front of a microscope, think again. Manual methods of image analysis are tedious, time-consuming, and not always reproducible. But automating your image analysis is easy and it provides you with the freedom to do what you love – validate data, develop conclusions, make recommendations on drug targets and next steps in research.

Myth 3: Tissue Slides Can Only Be Read By Pathologists

Truth: Scientists can be enabled, with the right software tools, to access data from tissue slides. After initial set up and validation with a pathologist, image analysis software can run standardized routines and perform analysis. Properly implemented software can accelerate data collection and mining, enabling more lab productivity.

Myth 4: Biological Heterogeneity Can Be Boxed Discretely in 1 of 4 Potential Scores

Truth: In many cases tissue phenotypes are scored from 1 to 4, but the truth is that biological heterogeneity is more complex than that. The good news is that image analysis software solutions can provide a quantitative readout capturing the heterogeneity in the tissue. By using software to identify individual objects in a tissue sample and evaluate those objects in relation to the rest of the tissue, you will have a better read on the heterogeneity of your samples and enable deeper understanding of disease states and prognosis.

Myth 5: Biologists Don't Need Computers For Image Analysis

Truth: Yes they do! In fact, scanning and analyzing images is one of the fastest growing application areas in science. More and more biologists are turning to computers to help them manage their image analysis. Image analysis software can simplify your tasks and workflow while enabling a deeper understanding of the tissues, biomarkers and the diseases you study. Don't get left behind!

Don't Let Your Image Analysis Be Held Back Any Longer!

Watch Dr. Sven Perner, University Hospital Bonn, describe how his research team uses Definiens to overcome Myth #4 and maximize his cancer research at <http://goo.gl/r8a15>

