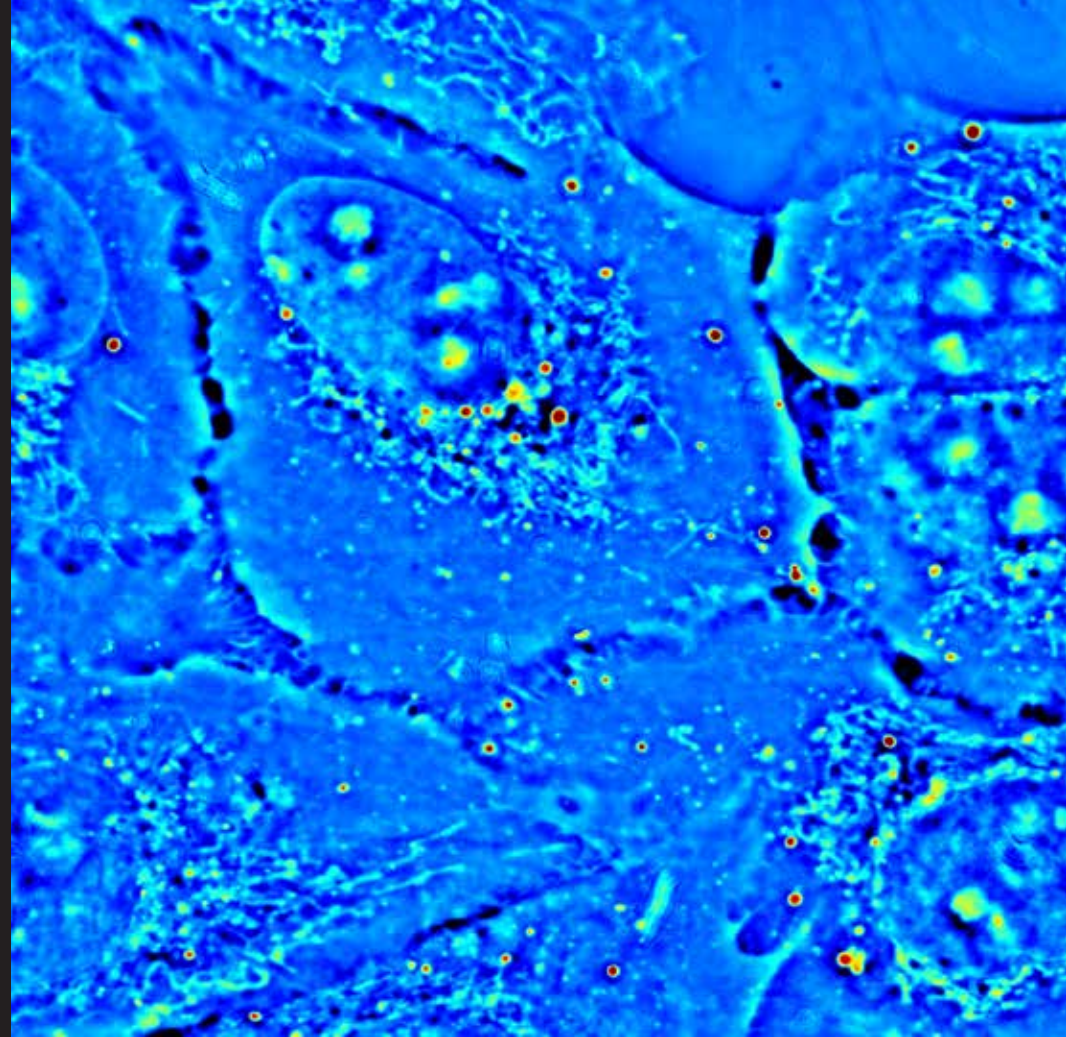


# OPTICS

from image to knowledge



**slim** spatial light  
interference microscopy

Highest resolution.  
Quantitative phase microscope.  
Ever.

**PHI OPTICS**  
from image to knowledge

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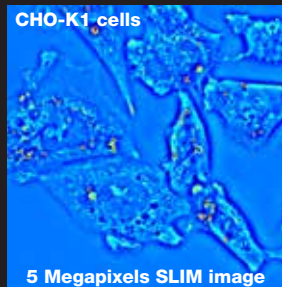




**Phi Optics SLIM technology provides faster and more accurate imaging of live cells than currently possible:**

- Non-invasive: no sample preparation
- Quantitative measurements: thickness (nanometer sensitivity), dry mass (femtogram sensitivity), and refractive index
- Label free: continuous imaging from milliseconds to days
- Integrates with existing research grade microscopes

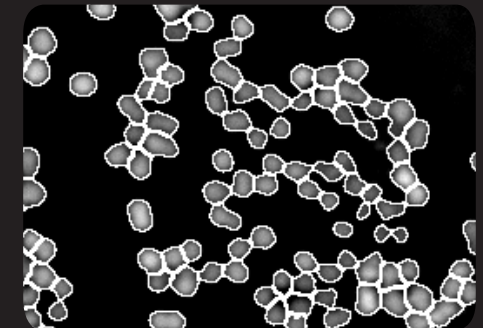
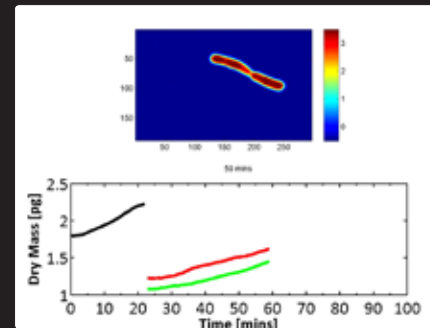
**Full camera resolution**



**Fluorescence overlay**

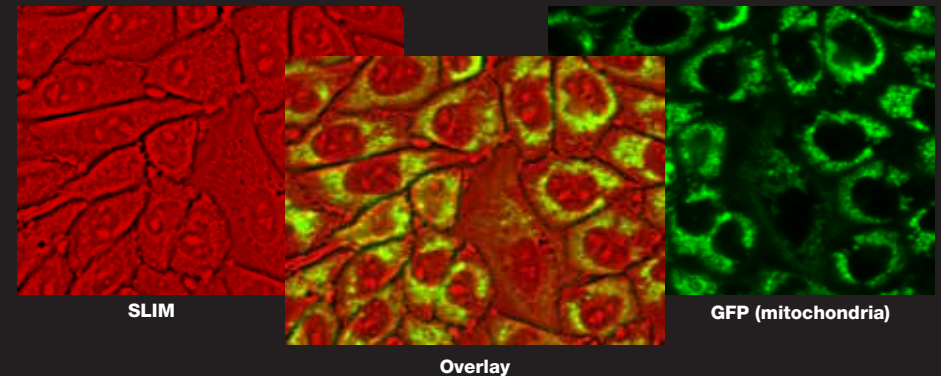


**3D tomography**



**CellVista software platform:**

- Programmed 4D (tiling, z-scan, time series) scanning and acquisition at up to 12fps with full camera resolution
- Multichannel imaging (including fluorescence channels) with seamless overlay
- Quick and easy segmentation of cells
- ImageJ-based toolkit for image analysis



Phi Optics patented technology - Spatial Light Interference Microscopy (SLIM) is implemented as an add-on to all major brand optical microscopes (10X to 100X magnifications). It connects to the camera port and uses the white-light illumination source of the microscope.

**Applications include:**

- Cell growth
- Cell dynamics
- Neuroscience
- Blood testing
- Tissue imaging

