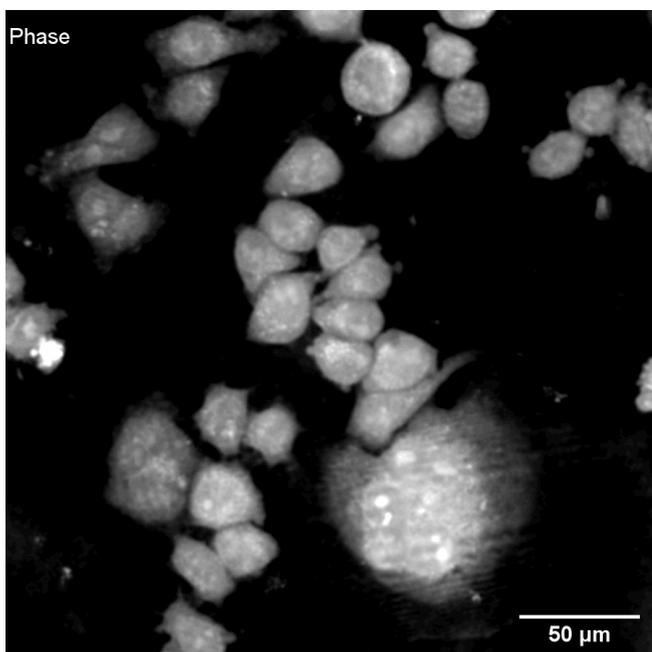




## New perspectives with multimodal DHM® by Lyncée Tec

The standard for long time-lapse cell culture monitoring correlative microscopy



- **Quantitative Phase Imaging (QPI)** offers label-free measurement of cell morphology and dry mass, two **unique biomarkers** for the cell's physiological state

- **Fluorescence** adds the **specificity** associated with the labelling of targeted cellular components or molecules.

**Minimize cell damages** linked with fluorescent markers, phototoxicity and bleaching by combining it with QPI.



The Lyncée Tec [transmission DHM®](#) equipped with the [fluorescence module](#) opens new multimodal QPI and fluorescence imaging capabilities.

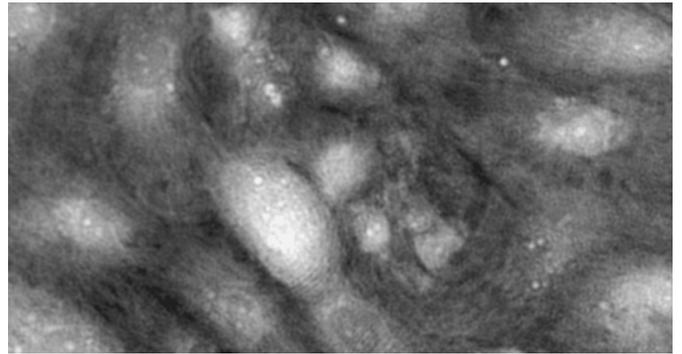
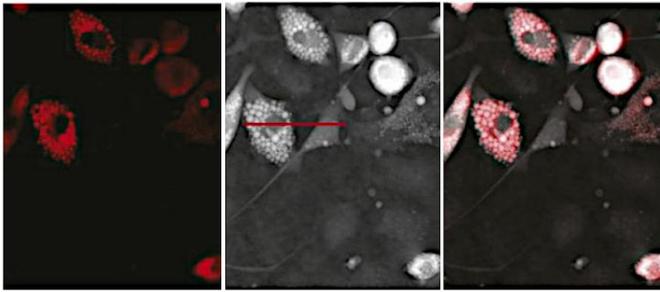
Learn more about our multimodal DHM® and fluorescence systems

# Why QPI and Fluorescence correlative imaging?

**Fluo** (LipidTOX)

**DHM**

**Merge**



## Spatial co-localization

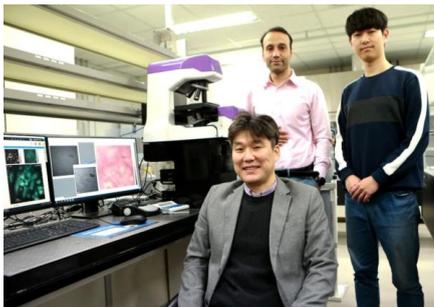
Use the specificity of fluorescence to **identify** distinct cellular structures

Lipid droplets quantification

## Bio-processes synchronization

**Dynamics** of mechanical movements and ion fluxes.

Cardiomyocytes beating



## Prof. Inkyu Moon

Intelligent Imaging and Vision Systems Laboratory,  
DGIST, South Korea

*Our Lyncée Tec QPI-fluorescence microscope is a key addition to our list of equipment to study cellular dynamics. It allows us to combine simultaneous biomechanical data obtained with QPI with changes of ions fluxes recorded by fluorescence for high-content screening applications.*

*Lyncée Tec microscope greatly increases our throughput and opens new research perspectives.*

Learn more about our DHM® systems

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