Signcée tec ™®

Digital Holographic Microscopy

During the COVID-19 pandemic travel restriction period, trees were planted for DHM® purchased through remote demonstrations

Our users' forest has over 3000 trees

Lyncée is pleased to extend this action beyond the pandemic in the hope of limiting the ecological footprint of its activity

With our Digital Holography Microscopes -DHM[®]



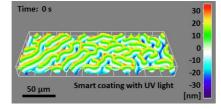
Reflection Transmission

sion High Speed

ed Camera modules

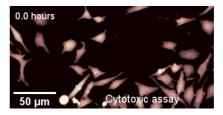
Macro systems

...study samples and processes that cannot be measured with other systems...



- > 100'000 measures/second
- MEMS from static to 25 MHz
- Birefringence & polarization
- Reflectometry
- In-situ (liquid, vacuum, high/low T)
- Large surfaces screening
- Measure as you manufacture
- Automated quality control

Innovative 4D profilometry



Lensless Industrial

- Label-free, non-invasive: no cell perturbation
- Multi-days continuous recording: time-lapse
- 194 recorded images per second: fast dynamics
- Millisecond responses
- Automated microscope:
- high-content/throughput screening

Label free Bioimaging

...and publish in prestigious journals

PLOS ONE **JN**eurosci An Official Journal of St Science An Official Journal of variation of Transmembrane Water Fluxes in Neurons Elicited by Glutamate pic Receptors and by the Cotransporters KCC2 and NKCC1: A Digital aphic Microscopy Study nature ultaneous Optical Recording in Multiple Cells by Digital lographic Microscopy of Chloride Current Associated to ivation of the Ligand-Gated Chloride Channel GABA COMMUNICATIONS Portudino organic surfaces triggend by in-plane electric fields*, Danging Liu, Nicholas B. Tito & Dirk J. Broer, Nature Communications 8, Article number: 1526 (2017), doi:10.1038/s41467-017-01448-w Receptor
Perce Jourdan Disset Doss, Benjamin Rappa
Perce Julius Magistreth Disset Preme Marquet Diss Cytometry Journal of Quantitative Cell Science Articles - About us - For aut ADDARONAMICLE | OTTABLIANY 2554 The human CFTR protein expressed in CH4 aquaporin-3 in a cAMP-dependent pathwa digital holographic microscopy (III) Paral Austra III: André Sec III: Sprin Lengeber, Clavet Sant, Pr Paraminguat 201 Comparative study of human erythrocytes by dig microscopy, confocal microscopy, and impedance analyzer Wear Volume 103, Issues 1-2, 15 June 2013, Pages 202-210 A new approach to link the friction coefficient sin Rappaz, Alexande with topography measurements during plowing PLOS ONE Spatially-Resolved Eigenmode Decomposition of Red Blood Cells Membrane Fluctuations Questions the Role of ATP in Flickering Liquid crystal elastomer coatings with Dynamic and programmable self-assembly of micro-rafts at the air-water interface programmed response of surface profile nature International Journal of Molecular Sciences MDPI LETTERS nature nanotechnology Image- and Fluorescence-Based Test Shows Oxidant-Dependent Damages in Red Blood Cells and Enables Screening of Potential Protective Molecules A flexoelectric microelectromechanical system on silicon A small-gap electrostatic micro-actuator for large deflections Holge Corrad, Hard Sherk, Bet Kiser, Sergiu Larga, Matthieu Gaude, Maua Schimmark, Michael Suiz & Micro Innz esh Kumar Bhaskar, Nirupam Banerjee, Amir Abdollahi, Zhe Wang, rell G. Schlom, Guus Rijnders and Gustau Catalan Manon Bardyn 10, Jérôme Allard 1.2, David Crettaz

Contact us and book a remote live-demo

OneTreePlanted

For any DHM[®] purchase based on a remote live-demo, <u>Lyncée commits to</u> <u>plant trees</u> through the non-profit organization OneTreePlanted and to provide you with a certificate.

Join our DHM users' forest of already over 3000 trees!



in

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