

Nanoimager

the world's first desktop
super-resolution microscope



ONi

Single-molecule imaging at your fingertips

Versatile super-resolution

A wide range of super-resolution techniques including dSTORM, PALM, single particle tracking, and smFRET.

Precision by design

The intrinsic design filters out vibrations, so there's no need for an optical table. And to increase precision, it never ever needs aligning.

Integrated analytics

With integrated data analysis tools, you get to meaningful conclusions faster. Images are built in real time so you start seeing results before the experiment has finished.

Laser kept in, light kept out

The enclosed design keeps the laser in and ambient light out, so a dark room isn't required. Do your work wherever is most productive.

Incredible field of view

At 80um x 50um, the FOV is one of the largest available in super-resolution. Build sample overview scans with a piezo stage working in 2nm steps.

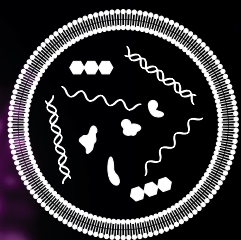
4 colors, 2 simultaneously

With four laser colors, four different fluorophores can be analysed in each sample. 2 different fluorophores can be captured simultaneously to gain even more information, faster.



Applications

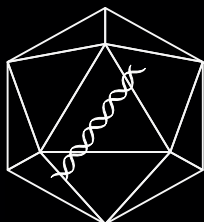
The diverse capabilities of the Nanoimager can be used in a range of applications to reveal molecular interactions, structures and dynamics.



EXTRACELLULAR
VESICLES



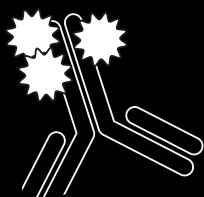
CELL PHENOTYPING



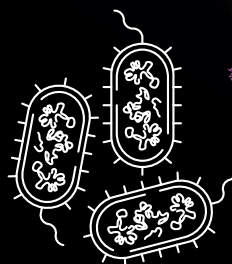
VIRUS RESEARCH
VACCINE DEVELOPMENT



NEUROSCIENCE



IMMUNOLOGY



BACTERIAL RESEARCH



About us

We believe our future depends on cutting edge scientific discovery.

Our mission is to positively impact people's lives by enabling innovation across life sciences, medicine and beyond, so that we support those who seek answers to some of the world's biggest problems.

ONI is focused on removing barriers to make science more effective, accessible, affordable.

We are creating the ultimate science ecosystem that could one day be used by anyone, anywhere from the research bench to your doctor's office.

Get in touch
www.oni.bio/contact

Front cover: Atlastin1 protein walking along the ER in fibroblast cells. Sample provided by Dr. Christopher Obara, postdoc in Jennifer Lippincott-Schwartz lab, Janelia Farm
Applications page: CELL PHENOTYPING: dSTORM image of microtubules (green) and lamins (pink)*; NEUROSCIENCE: neuron labeled with AF568; BACTERIAL RESEARCH: single particle tracking of T3SS-HALO stained with JF549 in live bacteria; Dr. A. Diepold, Max Plank Marburg; IMMUNOLOGY: dSTORM of BCR-AF647 in B-cell, M-type, Dr. Brzostowski, NIH, Bethesda; VIRUS RESEARCH: dSTORM image of Marburg virus nucleoprotein labeled with AF647, prof. S. Becker, Marburg University; EXTRACELLULAR VESICLES: dSTORM image of an EV isolated from human keratinocyte culture media, CD63 (blue), CD81 (yellow), membrane surface (magenta)*. * Samples by ONI Applications Development Team
Back cover: Image of ParB-GFP (purple), cell wall stained with WGA-AF647 (blue) in Streptomyces branch-like aerial hyphae. Sample provided by prof. D. Jakimowicz, Wroclaw University