

SEEC Microscopy: a live and label-free analysis technique in the fields of Materials and Life Sciences

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SEEC Microscopy is a label-free analysis technique offering new characterization capabilities such as the live nanoscale imaging, the multiplex molecular interaction analysis or the real-time quantitative study.

The technique implements unique optical sensitive sensors (SEEC sensors) with specific contrast-enhanced properties enabling the live visualization of samples down to nanoscale (0.1nm). In addition, a proprietary algorithm (Q-SEEC) enables quantitative analyses (surface interaction and topography analyses) with an accuracy of 0.3nm.

SEEC Microscopy is dedicated to the study of samples in the fields of Materials and Life Sciences. Thanks to its high sensitivity, the technique can be applied for the analysis of nanofilms, nanopatterns, nanotubes, nanoparticles or DNA molecules... Successful analyses were recently performed on polyelectrolytes, lipid layers, biofilms, biochips samples.