



Tracking Down Molecular Structures

ELYRA - discover the world of super-resolution

Almost 140 ago, Ernst Abbe recognized the fundamentals of the observed resolution limits in light microscopy. Until recently, these limits have obstructed all attempts to visualise objects by light microscopy at the scale of individual molecules. With super-resolution microscopy, we can now look at structures far beyond Ernst Abbe's resolution limit. We achieve this without violating the laws of physics, but rather by combining excellent optics, highly efficient detector technologies, and the computer-based analysis of the acquired data.