

Accelerating Microscopy (<https://www.thermofisher.com/blog/microscopy>)

Helping scientists answer questions that enable breakthrough discoveries in life sciences, materials science and industry

Electron Microscopy 101

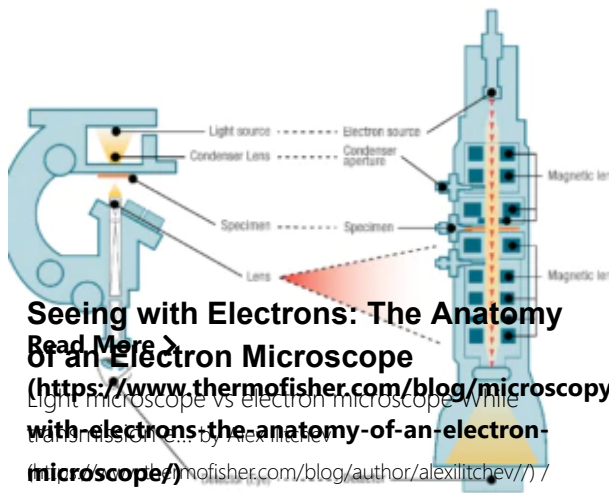
Electron microscopy (EM) describes a broad range of techniques that use an electron beam to obtain a sample's structure and composition. EM allows you to see details too small for standard light microscopes - from the platelets in a blood vessel to the individual proteins that dot the platelet's surface, from microscopic cracks in a steel beam to the individual atoms within the beam, electron microscopy reveals the hidden world all around us.

Speak with an expert

(<https://www.thermofisher.com/blog/microscopy/speak-with-an-expert/>)

Our Electron Microscopy 101 blog series explains the basics of this fascinating tool and the various characterization techniques that come with it. Click the links below to learn about the formation of an electron beam, how it interacts with atoms, and how those interactions can tell us what we're seeing.





Seeing with Electrons: The Anatomy of an Electron Microscope

Read More > <https://www.thermofisher.com/blog/microscopy/with-electrons-the-anatomy-of-an-electron-microscope/>

11.04.2020



Optimizing the Depth of Field in an SEM

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01.02.2020



Backscattered Electrons in SEM Imaging

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12.20.2019

EDX Analysis with SEM: How Does it Work?

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From searching for food contaminants to identifying machine ... by Antonis Nanakoudis



SEM Types of Electrons and the Information They Provide

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Electron microscopes are versatile instruments that can prov... by Antonis Nanakoudis

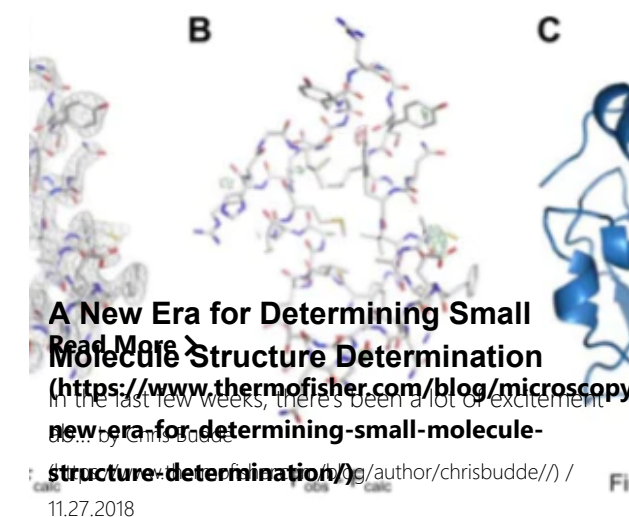
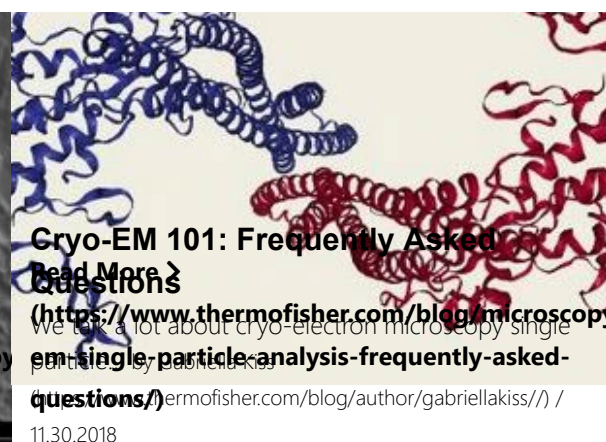
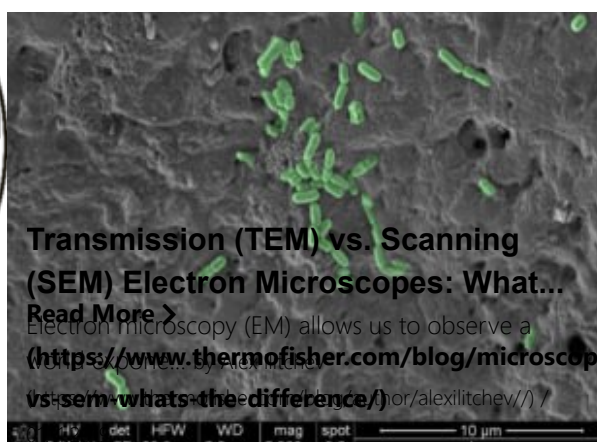
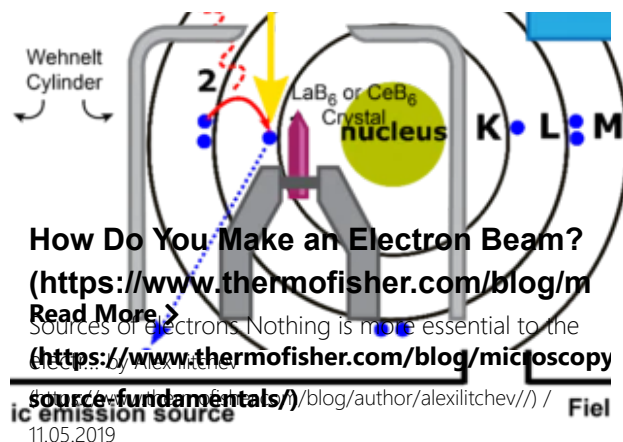


What is SEM? Scanning Electron Microscopy Explained

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Scanning electron microscopes (SEMs) have become powerful an... by Antonis Nanakoudis





1 (<https://www.thermofisher.com/blog/microscopy/electron-microscopy-101/>)

2 (<https://www.thermofisher.com/blog/microscopy/electron-microscopy-101/page/2/>)

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