

*Electron microscopy at the intersection of
biology and material sciences.
From biomineralisation to nanocomposites.*



François Orange

Laboratoire de Chimie Moléculaire et Thio-organique, Caen,
FRANCE

Electron microscopy is a powerful tool that offers a wide variety of imaging and analytical possibilities in many fields. However, between life and material sciences, electron microscopy methodologies are usually quite different and sometimes completely opposite. My researches activities have often been at the intersection of these two domains, including the fossilization of microorganisms, the biomedical application of nanomaterials, or the characterization of bio-sourced polymers. I thus wish to show in this presentation some examples where a combination of both life and material sciences electron microscopy techniques were fruitful.