

# Electron Microscopy (SEM/TEM)

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## Electron sources

Wavelength  $\sim 0.004$  nm vs light  $\sim 500$  nm

## Sample preparation

Fixation, dehydration, coating

## Contrast mechanisms

Electron density differences

## Cryo-EM revolution

Near-atomic resolution of proteins

## Correlative microscopy

Combining light and electron microscopy