

LMA WEBINARS 2020

ULTRATHIN AND SEMI-THIN SECTIONS OF BIOLOGICAL AND POLYMERIC SAMPLES FOR TEM AND SEM

Ultramicrotomy

is a versatile technique for preparing thin slices of material with a thickness of less than 100 nm, a requirement for electrons to transmit through the sample, allowing its observation by TEM. It is an alternative technique to FIB, especially for biological materials, polymers and composites since it helps to maintain their structure and orientation. Sectioning can be accomplished at ambient or cryogenic conditions, which is crucial for very soft or hydrated materials. Moreover, this equipment can be used to prepare samples with a flat and even surface, suitable for SEM observation, lending this equipment many options to prepare samples for electron microscopy applications.

SPEAKER

Dr. Marta Navarro

Dr. Marta Navarro graduated in Geology from the University of Zaragoza. She received her PhD in 2013 and carried out two postdocs, in the Chemistry Department at the University of St Andrews and in the Dept. of Chemical and Environmental Engineering at the University of Zaragoza. Her research concerned the synthesis of microporous materials and their application in membrane technology. From 2019, she is the sample preparation technician in LMA, making materials suitable for electron microscopy.



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We invite you to attend this webinar

DECEMBER 18, 2020, 12:00

ZOOM WEBINAR: [BIT.LY/2WFQU5I](https://bit.ly/2WFQU5I)

