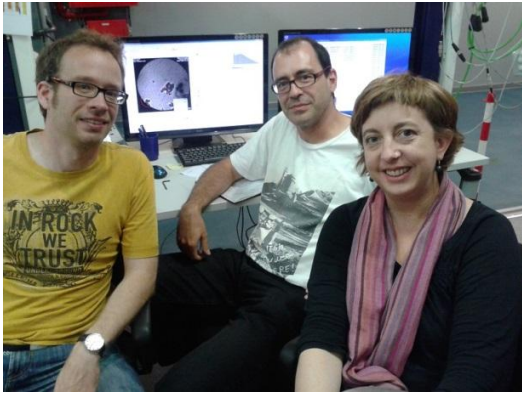


## IN SITU MAGNESIUM HYDRATION

During the 2013 spring shutdown, Dr. J. de la Figuera (Instituto de Química Física Rocasolano, CSIC) used the end-station in Low Energy Electron Microscopy mode. Ultrathin Mg films were grown in situ on a Ru(0001) surface and then exposed to atomic hydrogen in order to study the hydration process and assess the feasibility of Mg as a hydrogen storage material.



*J. de la Figuera with M. Foerster and L. Aballe during the experiment. In the background, a growing Mg-hydride island.*