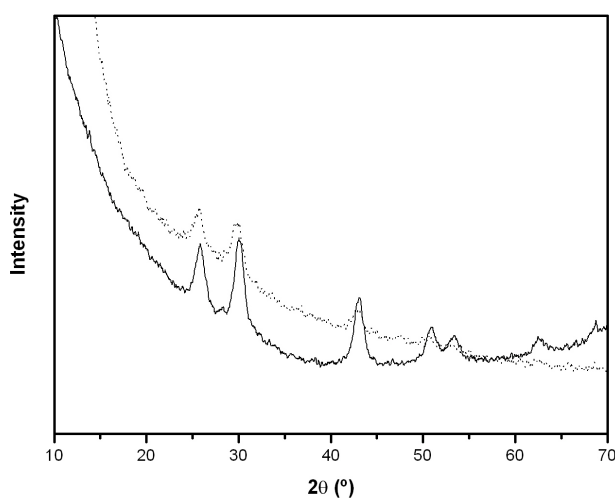


## Polymer encapsulation effects on the magnetism of EuS nanocrystals

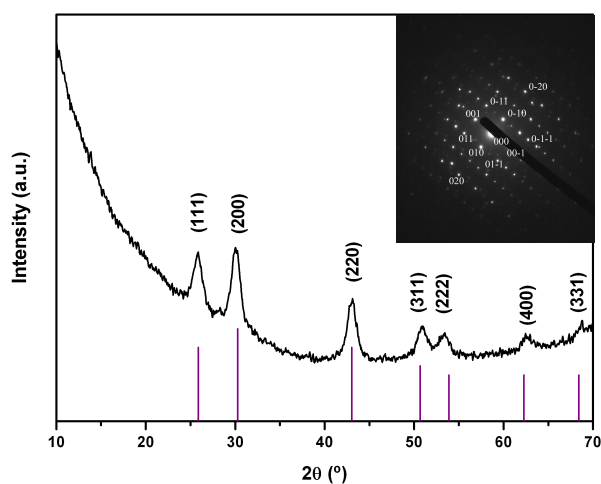
Angela S. Pereira, Protima Rauwel, Mário S. Reis, Nuno J. O. Silva, Ana Barros-Timmons, Tito Trindade

J. Mater. Chem.

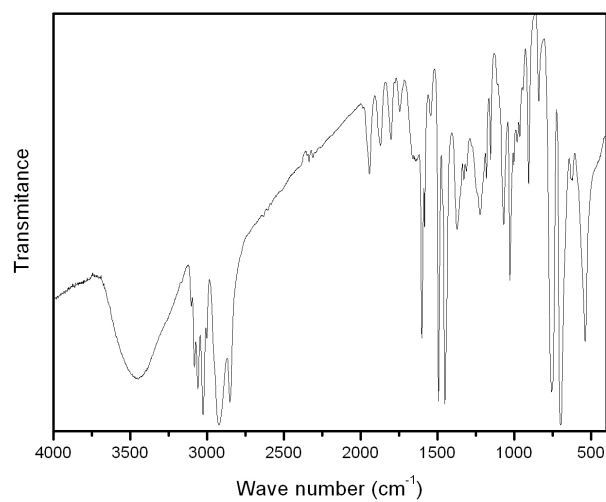
### SUPPORTING INFORMATION



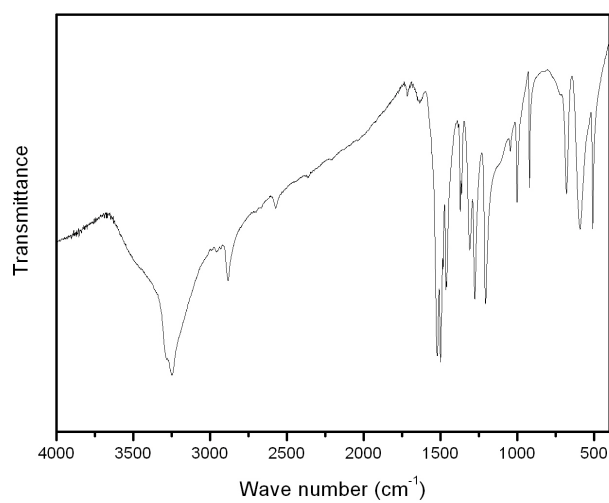
Powder XRD patterns of the EuS/PS nanocomposite (dotted line) and the EuS nanocrystals (full line).



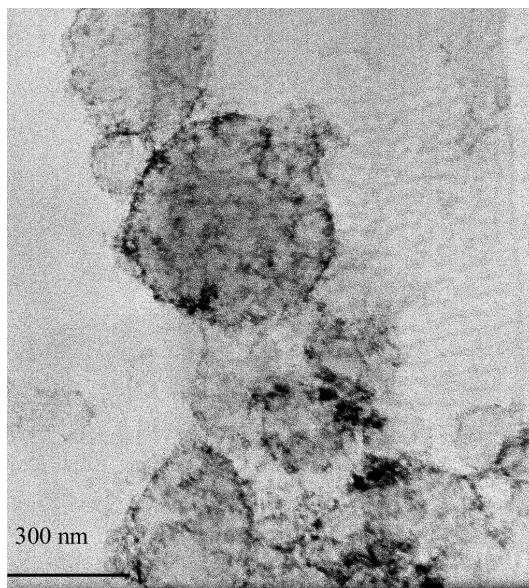
Powder XRD of EuS nanospheres; Inset: Electron diffraction patterns of EuS nanocubes.



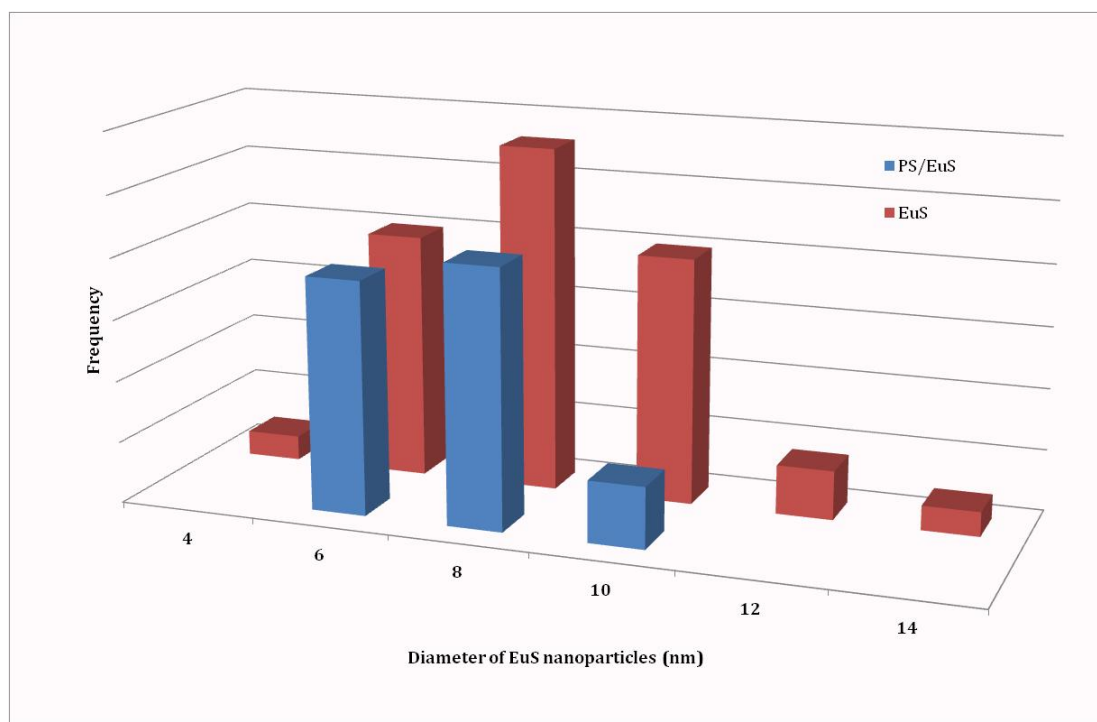
FT-IR spectrum of a EuS/PS nanocomposite sample.



FT-IR spectrum of OA capped EuS nanocrystals.



TEM image of a sample obtained after polymerization of styrene in the presence of  
EuS nanocubes.



Histograms of EuS nanospheres as prepared and in the polystyrene nanocomposite  
(measurements were performed on TEM images)