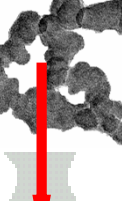


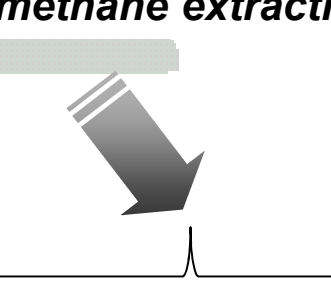
Barbara Apicella, Anna Ciajolo, Carmela Russo, Antonio Tregrossi



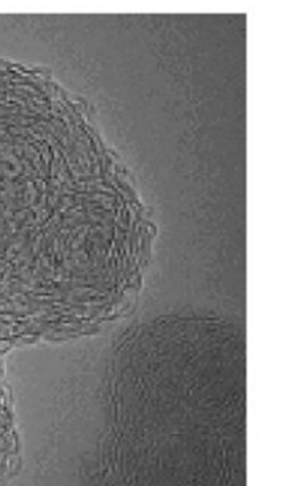
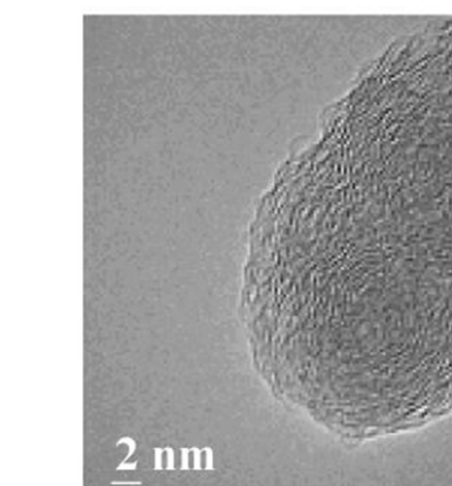
Macro-structure Micro-structure Nano-structure

Transmission electron microscopy (TEM)
High resolution transmission electron microscopy (HR-TEM)

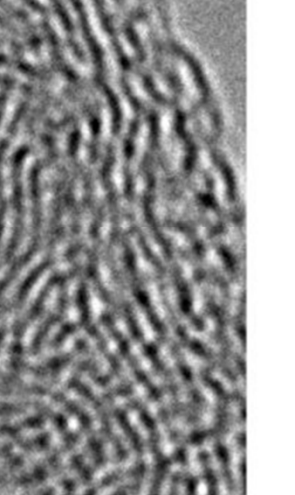
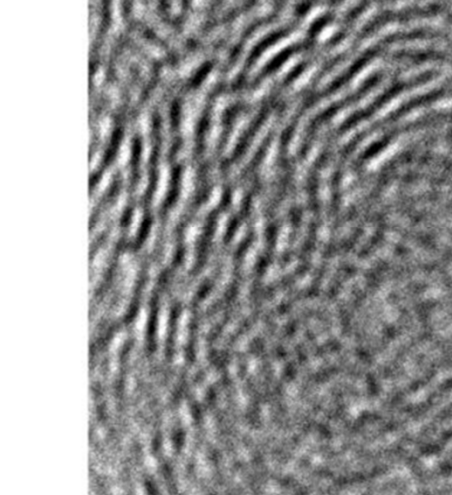
dichloromethane extraction



Young soot

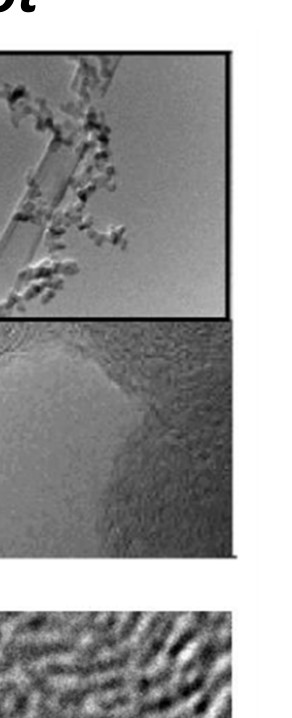



Mature soot

skeletonization





Basic structural unit, BSU

L mean fringe length
La diameter of the coherent domains (BSU)
Lc height of the BSU formed by **N** stacked layers with an interlayer spacing of **d**.
 α

