

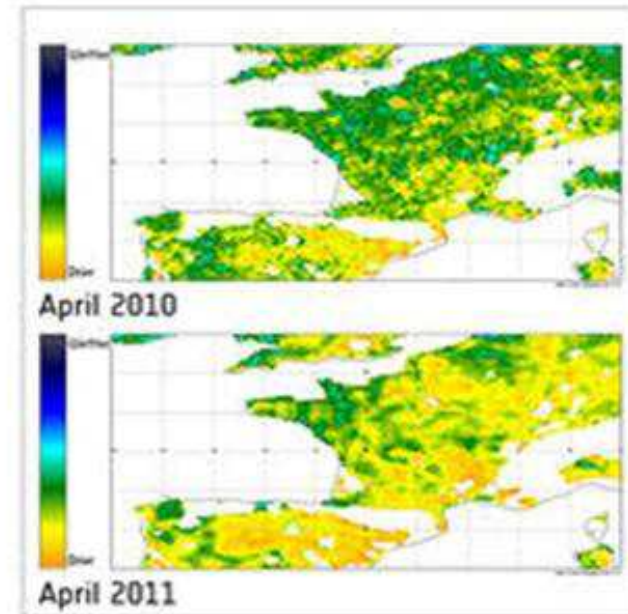


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Aplicació de la física i la química en els reptes tecnològics del segle XXI

F.Javier Gil Mur

SATÈLIT SMOS



Comparación de la humedad del suelo en abril de 2010 y 2011. Imagen: ESA/CESBIO.

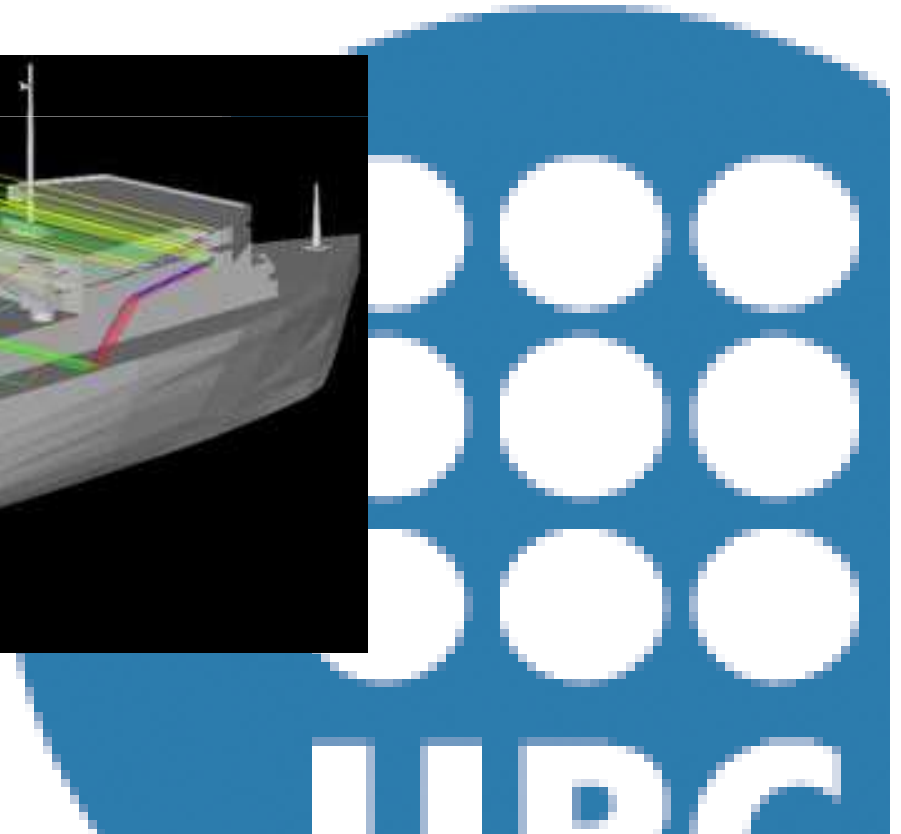
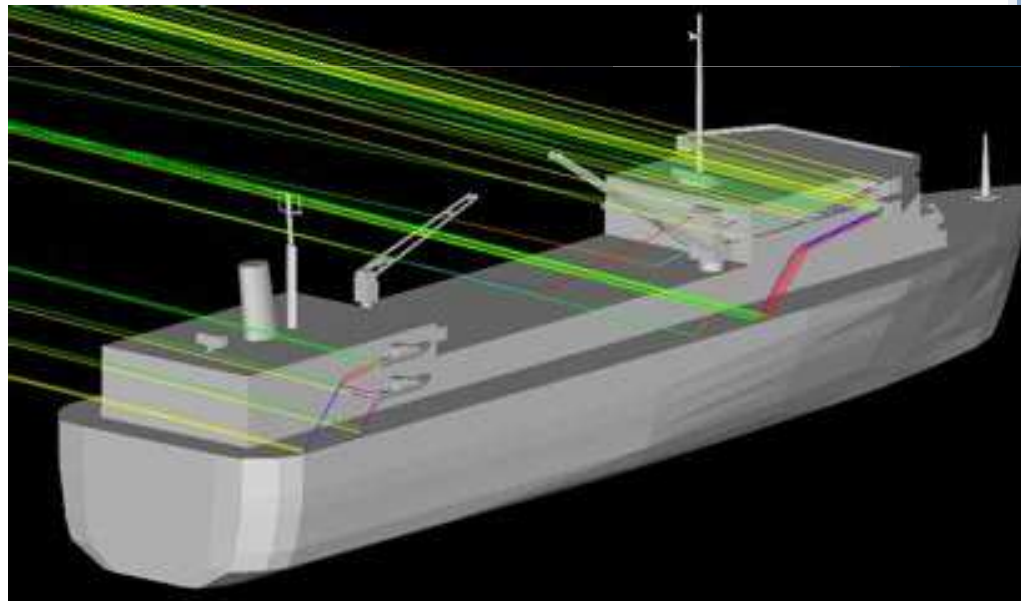
GPS-TELEFONIA MOVIL



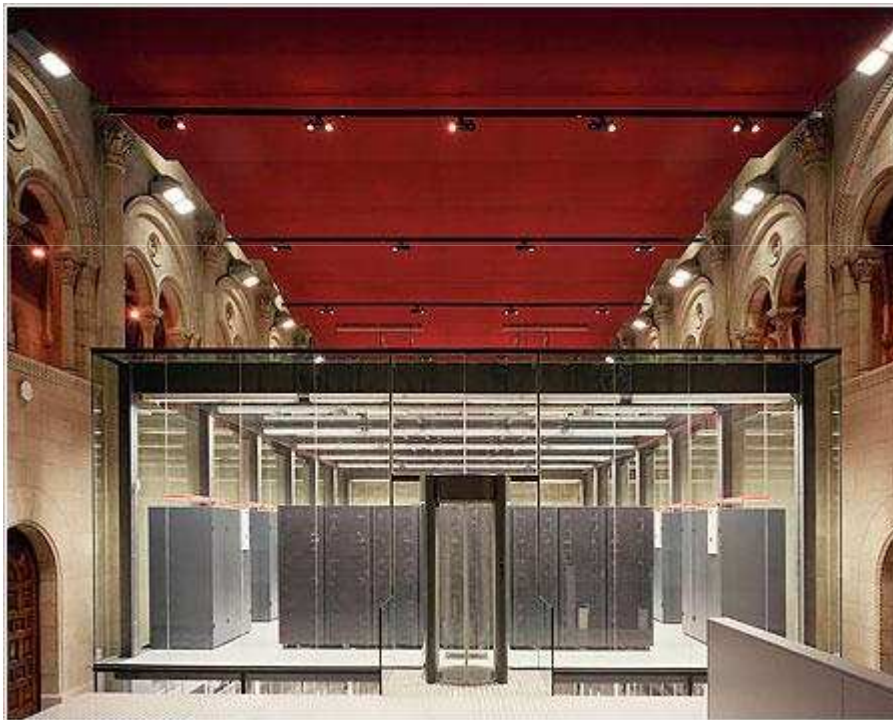
Vehicles sense pilot

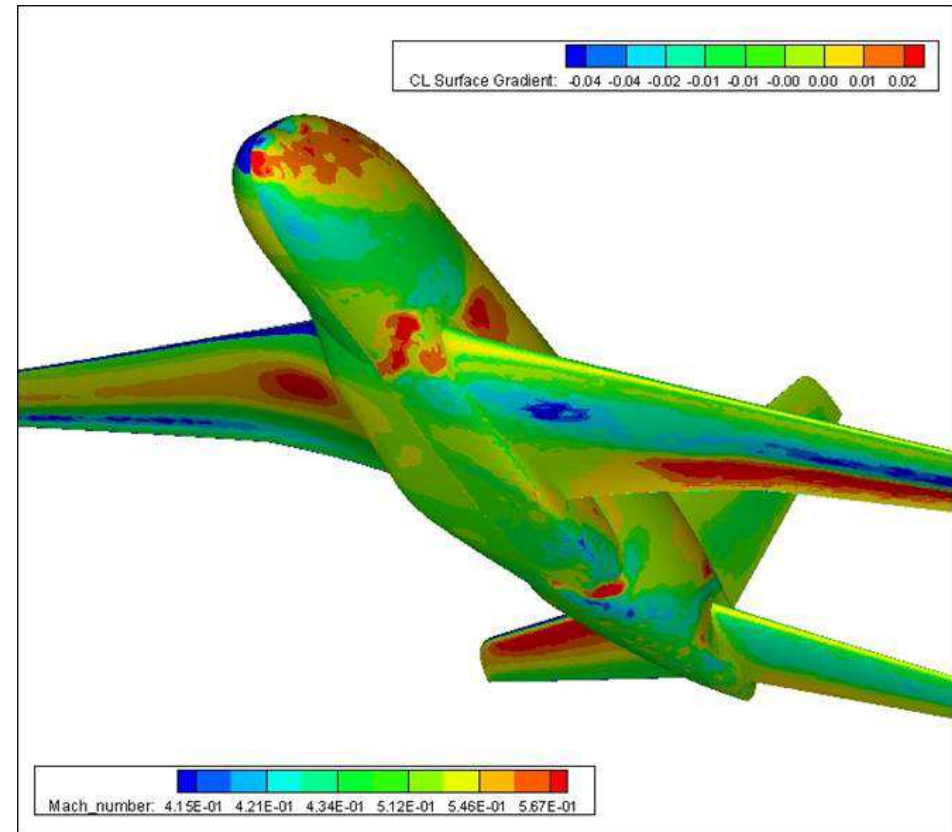
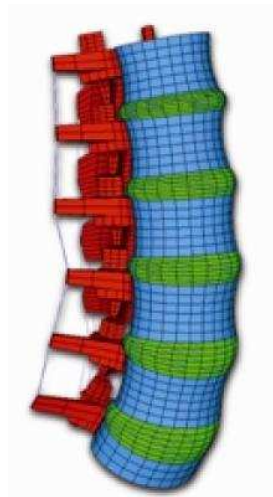
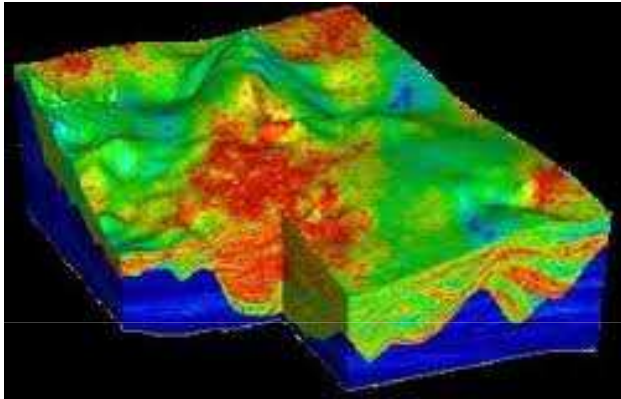


Antenes de Comunicació i sistemes remots de detecció TSC



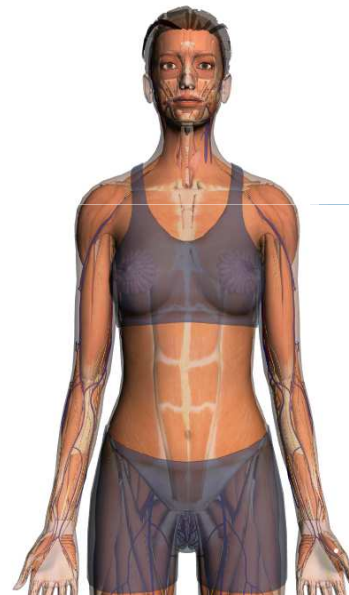
Supercomputación







Realitat Virtual



MATEMÀTIQUES



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ENGINYERIA INDUSTRIAL



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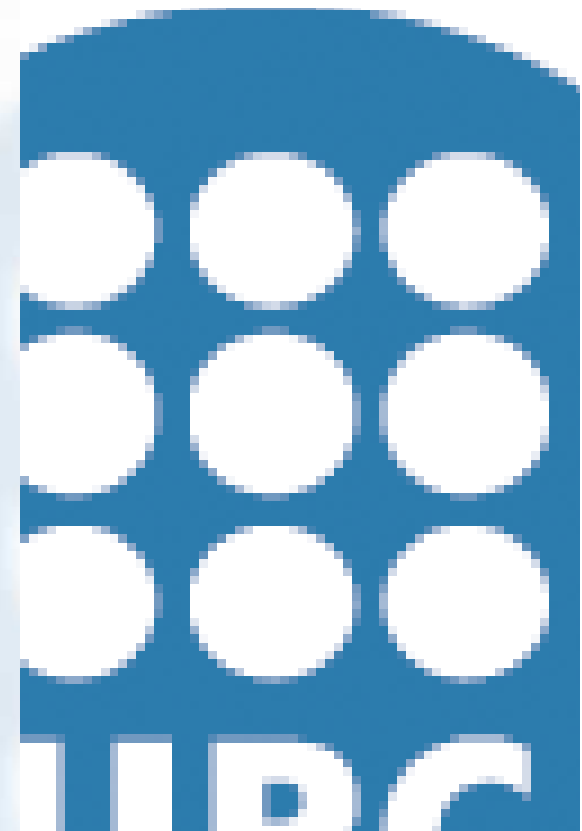
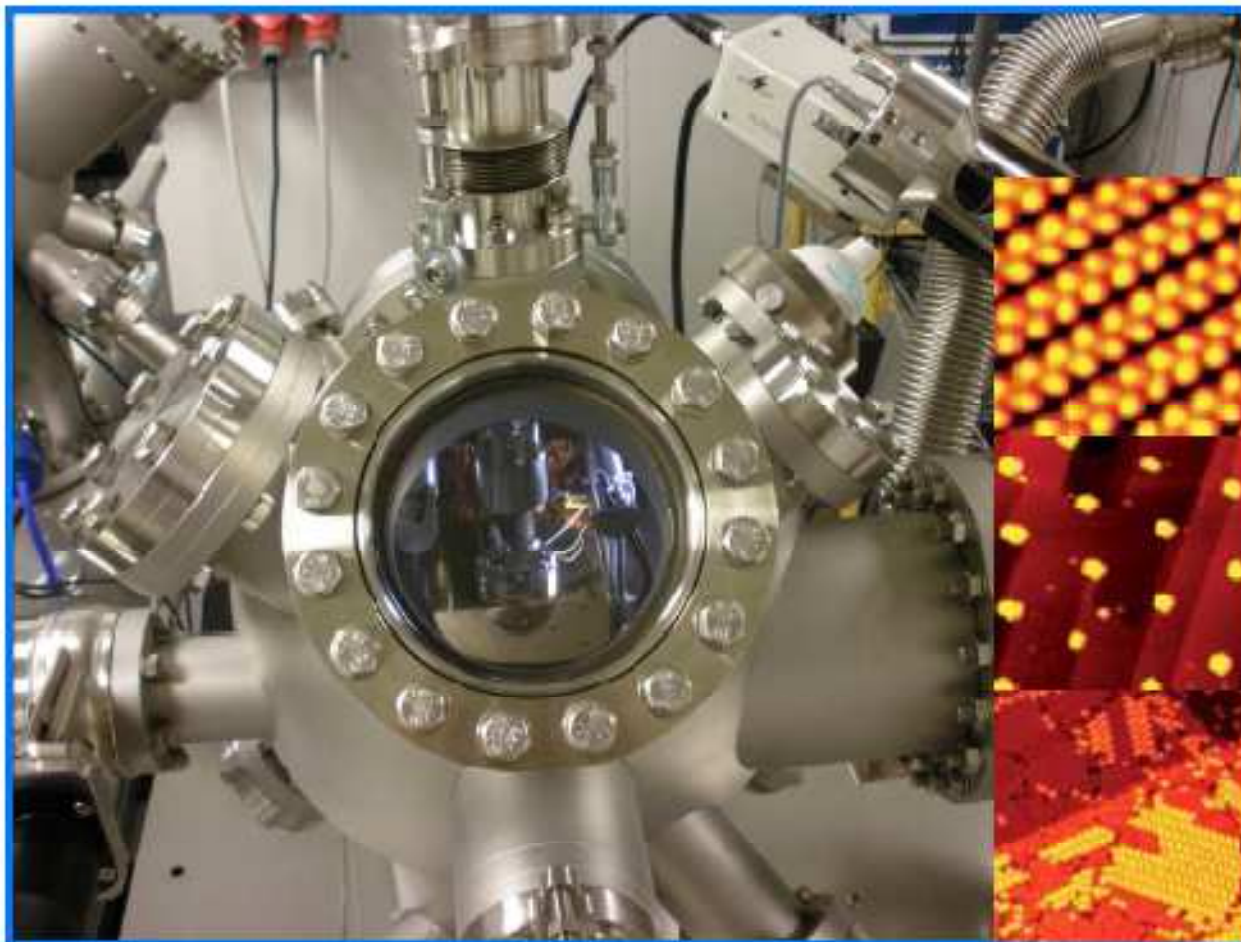
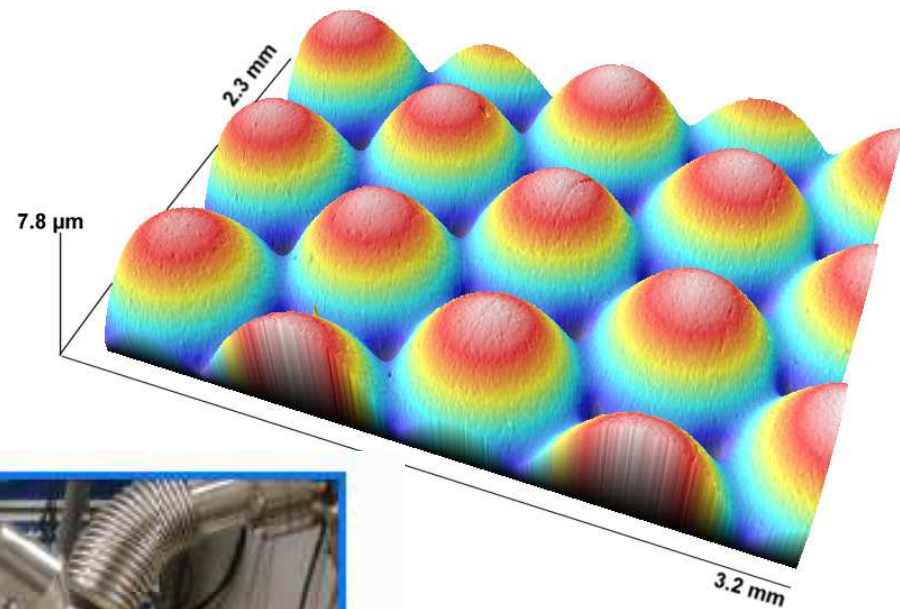


Maquina de Combate





ÒPTICA I OPTOMETRIA



ARQUITECTURA



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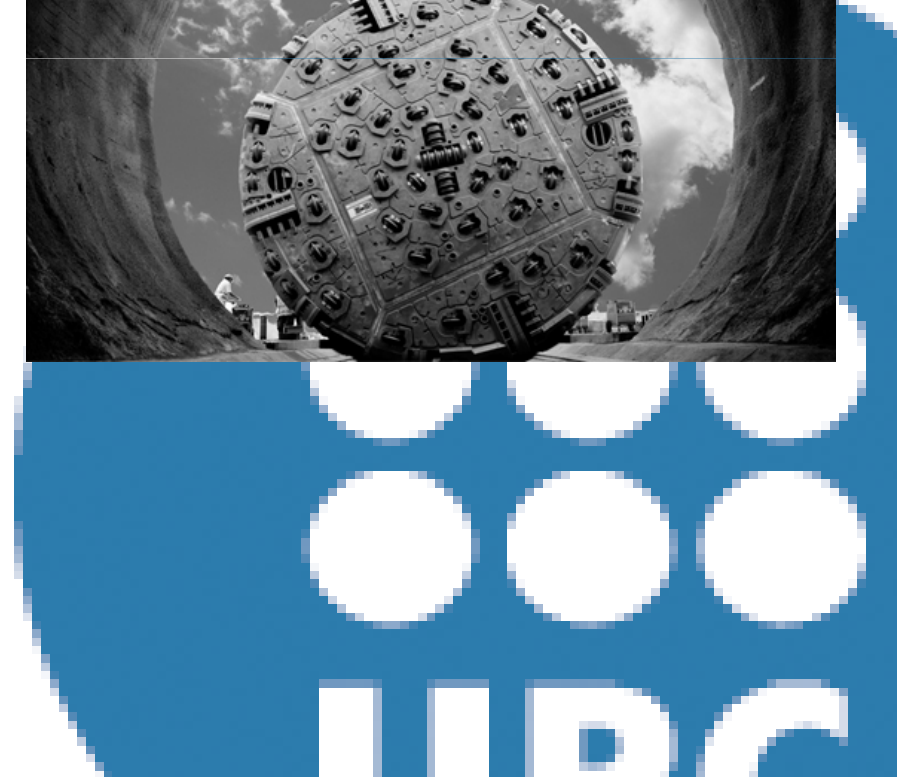


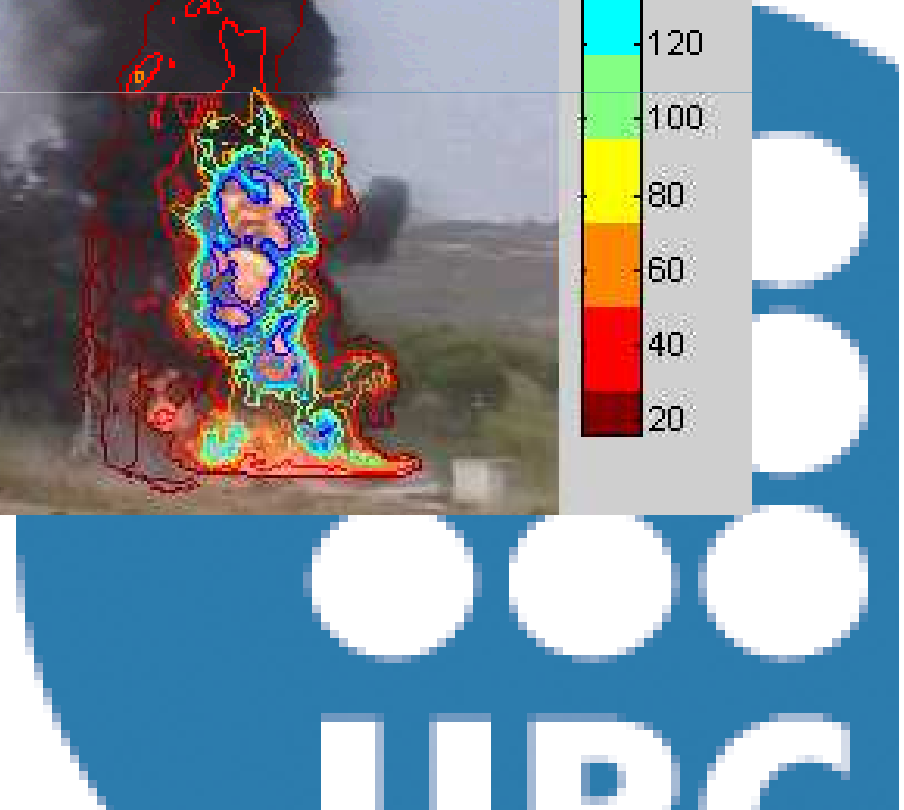
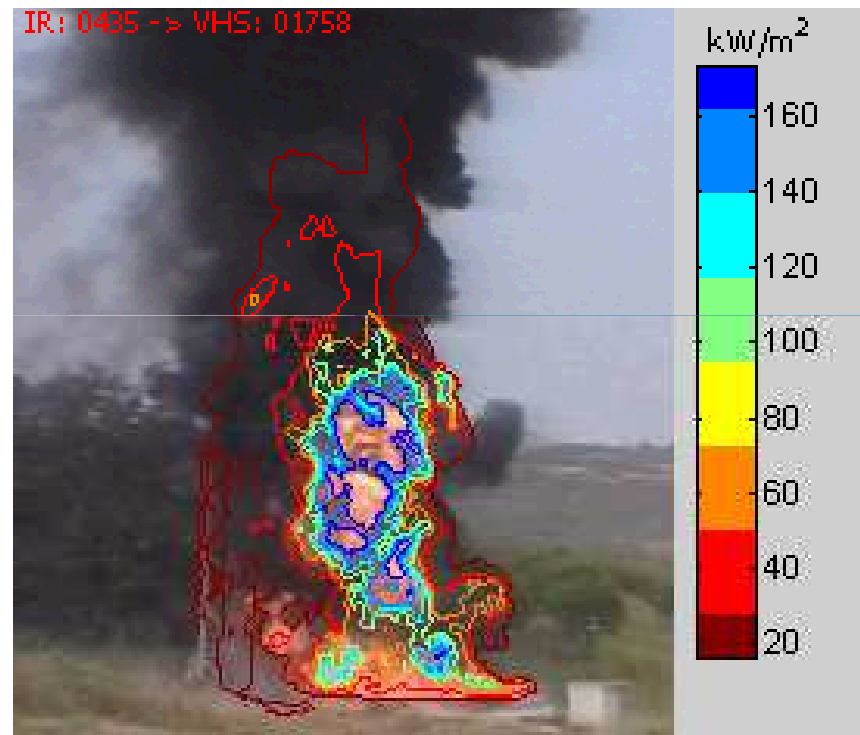


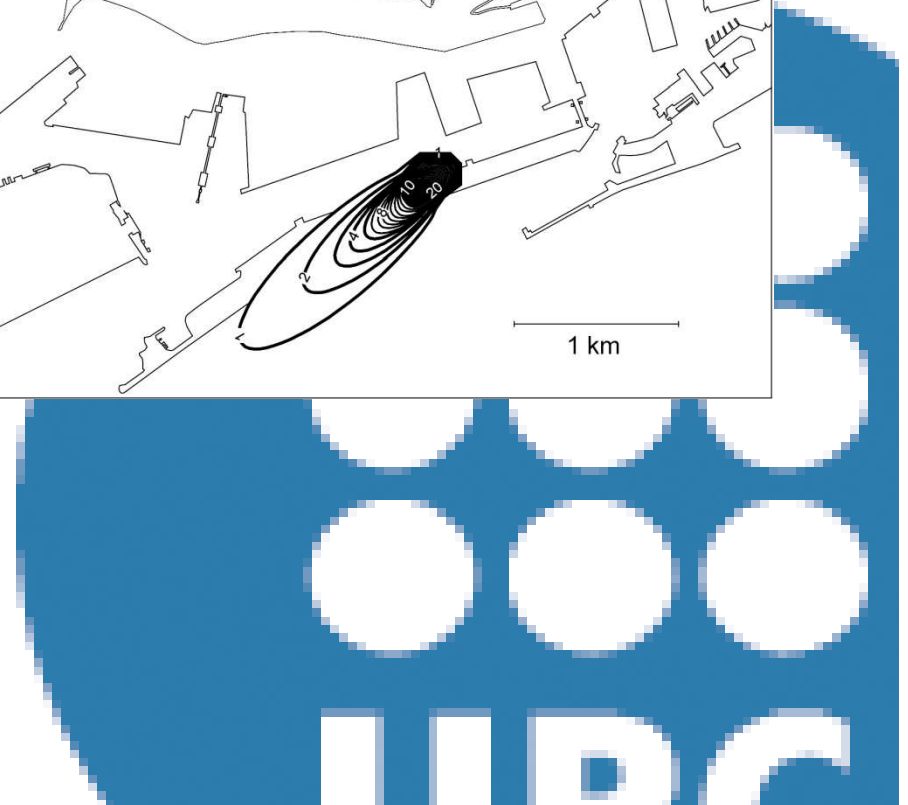


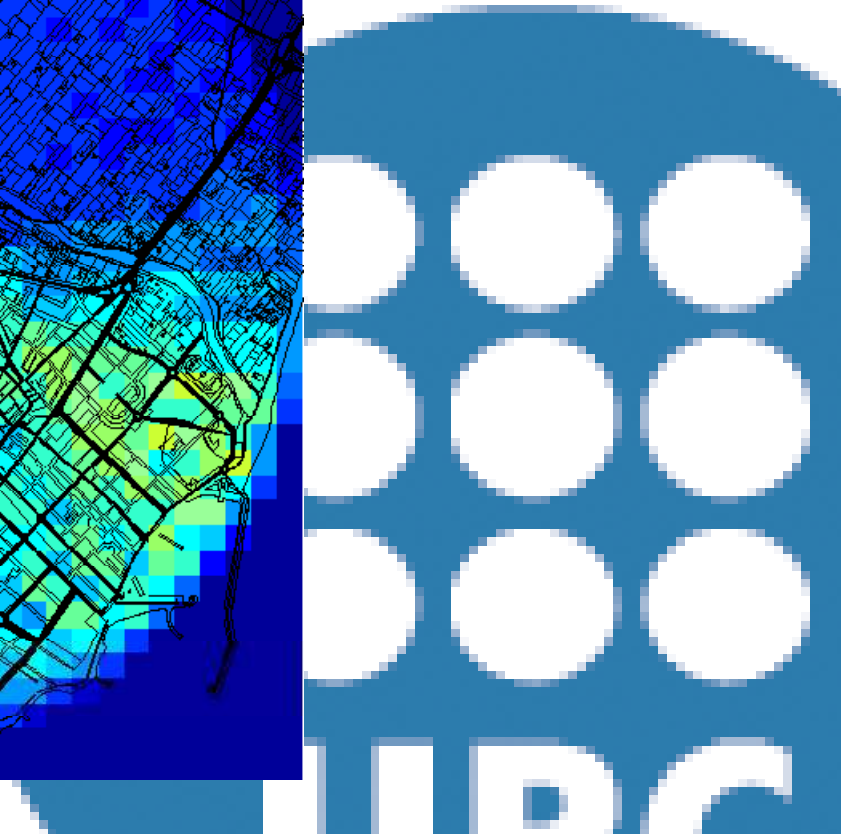
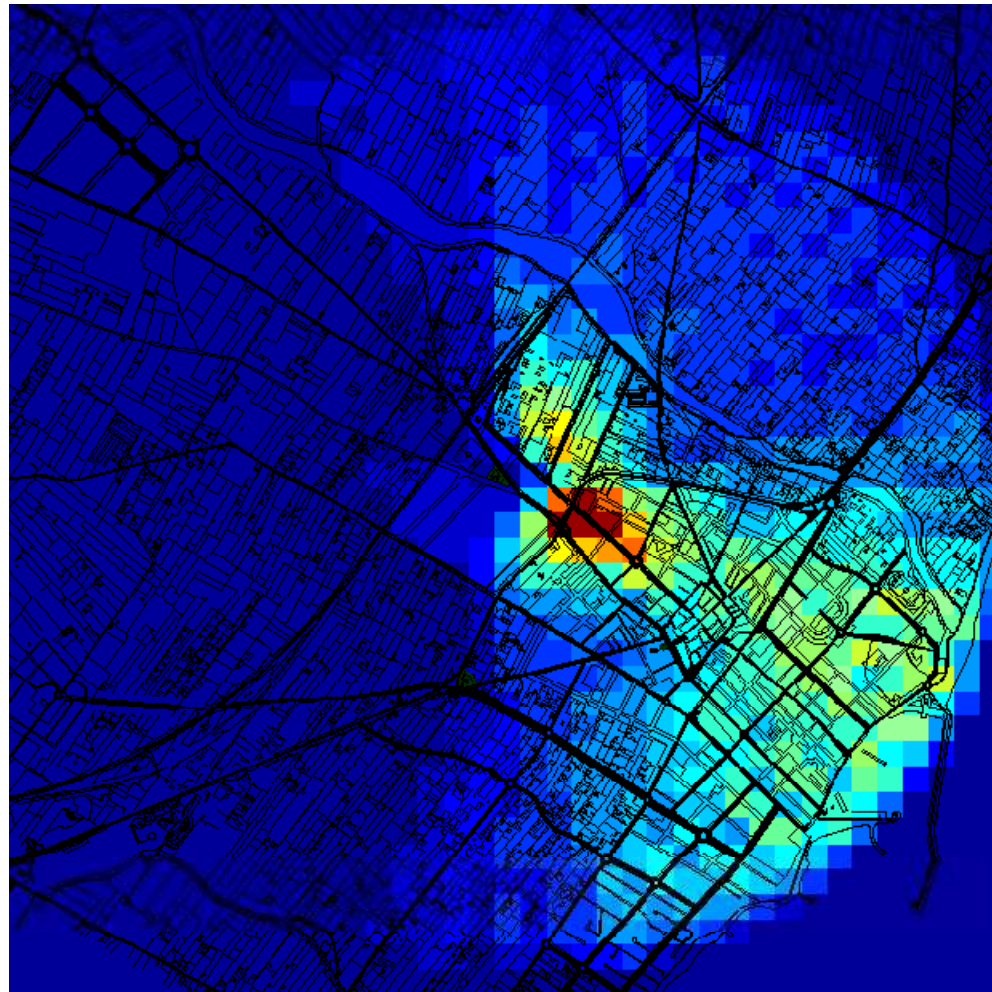


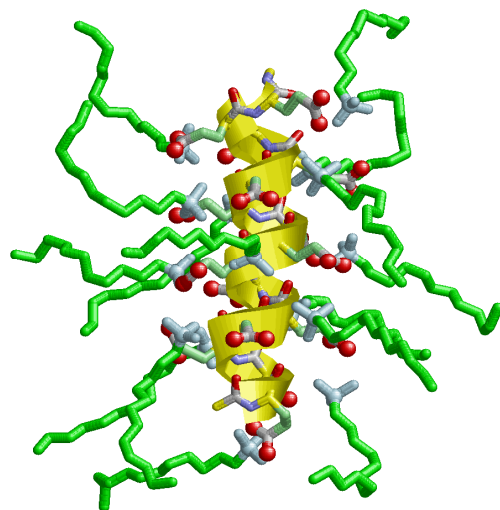
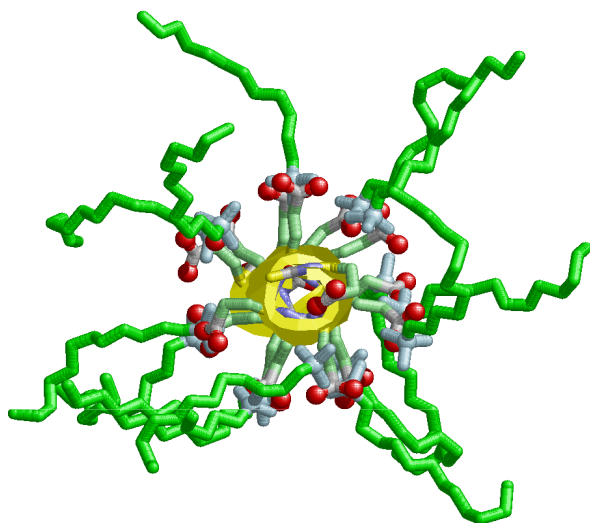




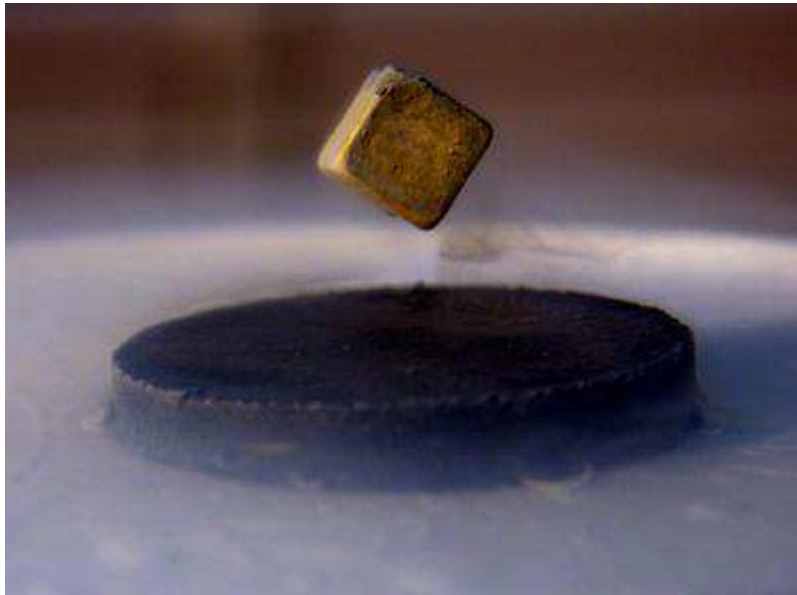






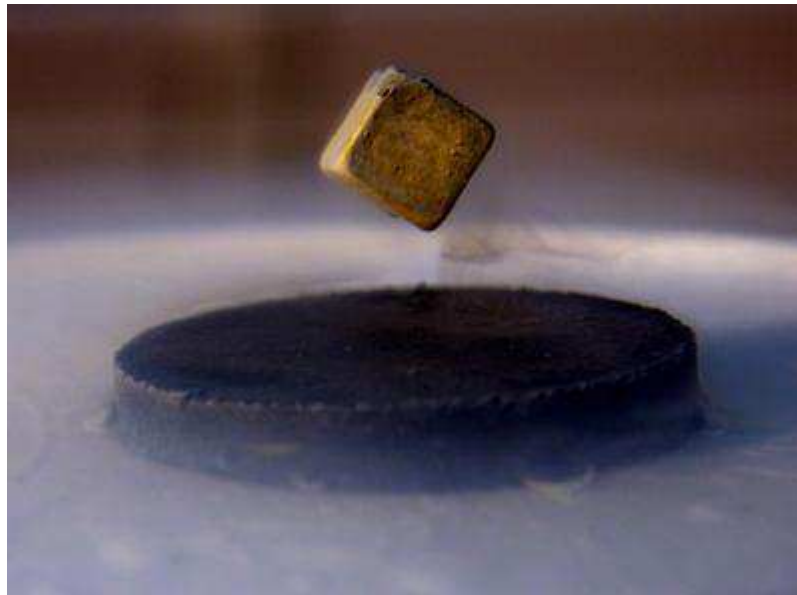


Superconductivitat





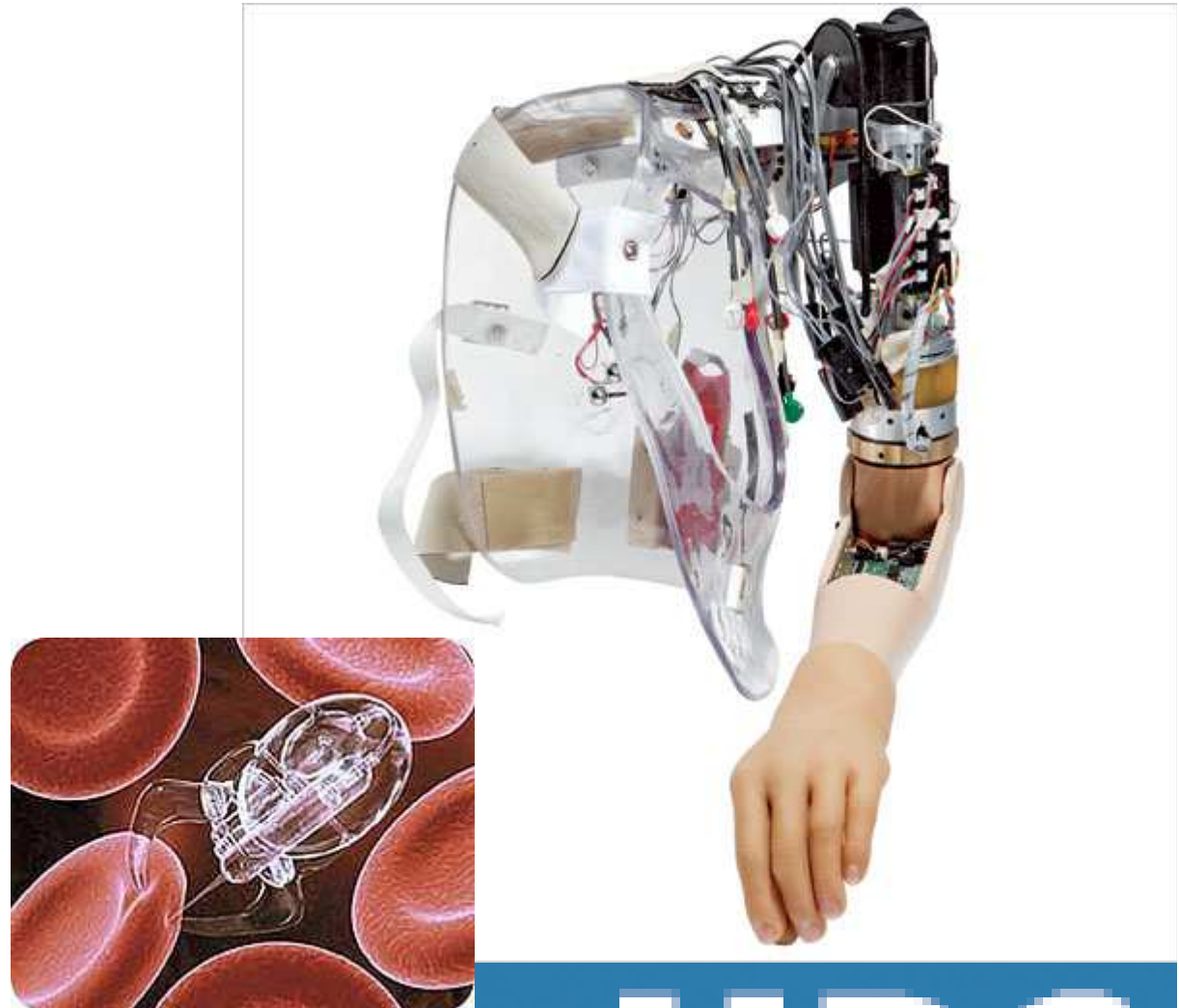
Superconductivitat

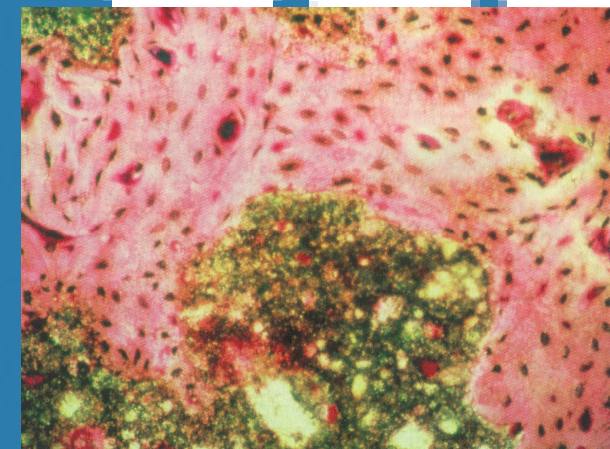
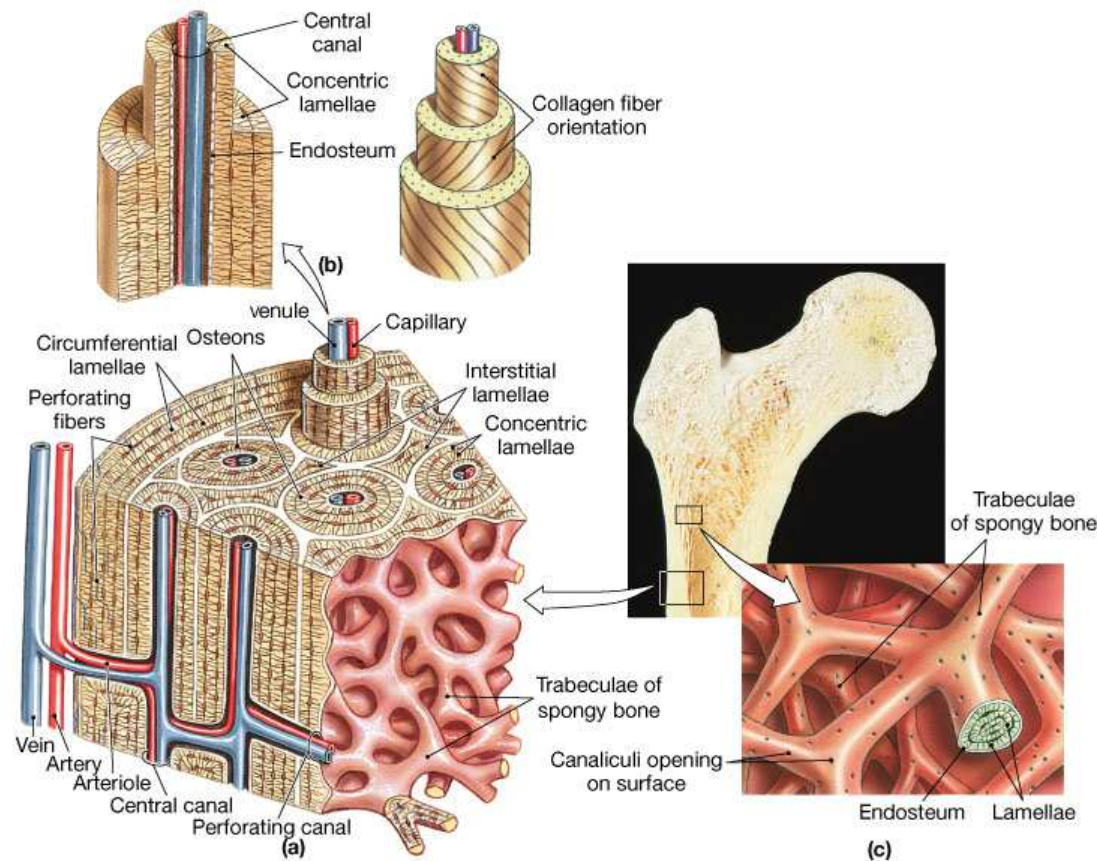


Biomimètica





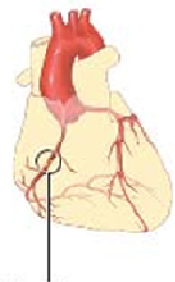




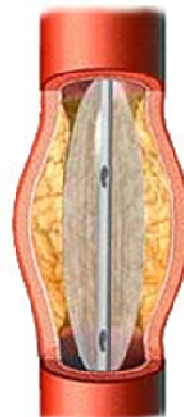
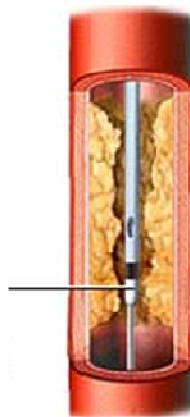
ENGINYERIA BIOMEDICA



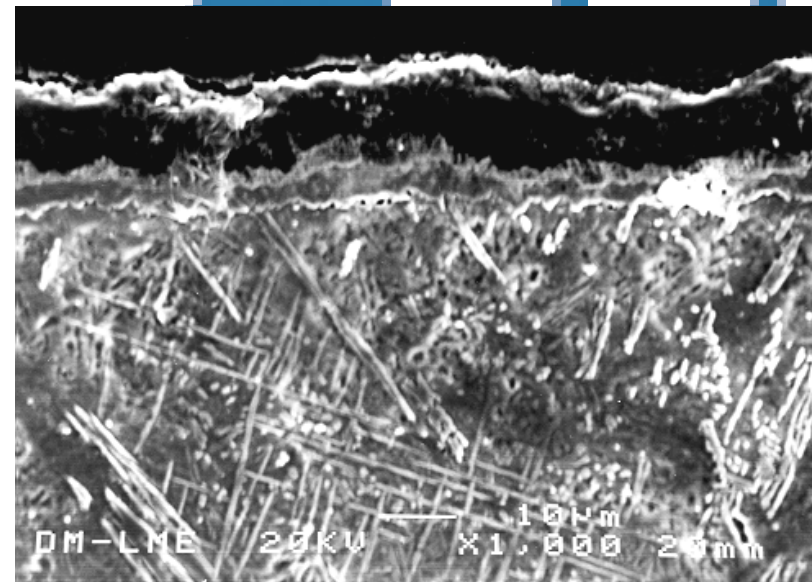
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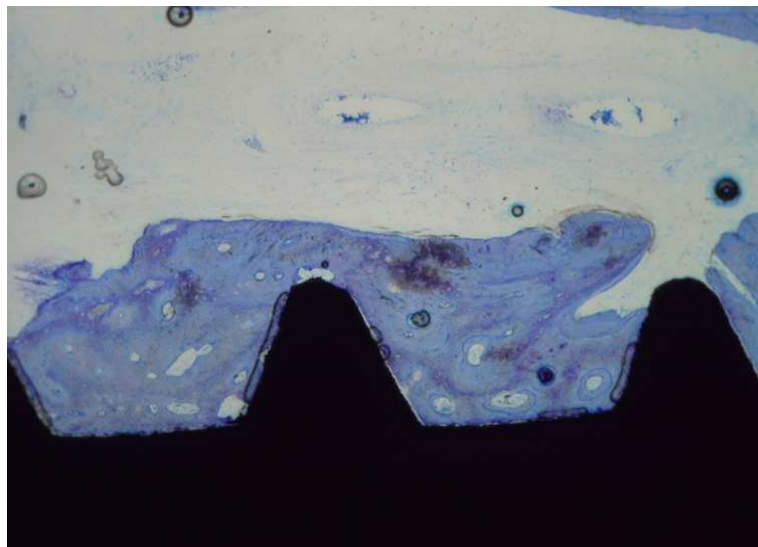
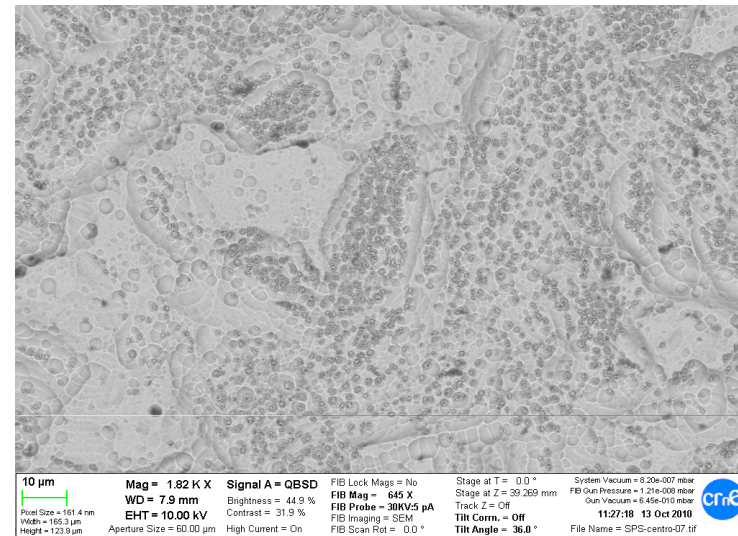
Se introduce
el balón en la
arteria
coronaria

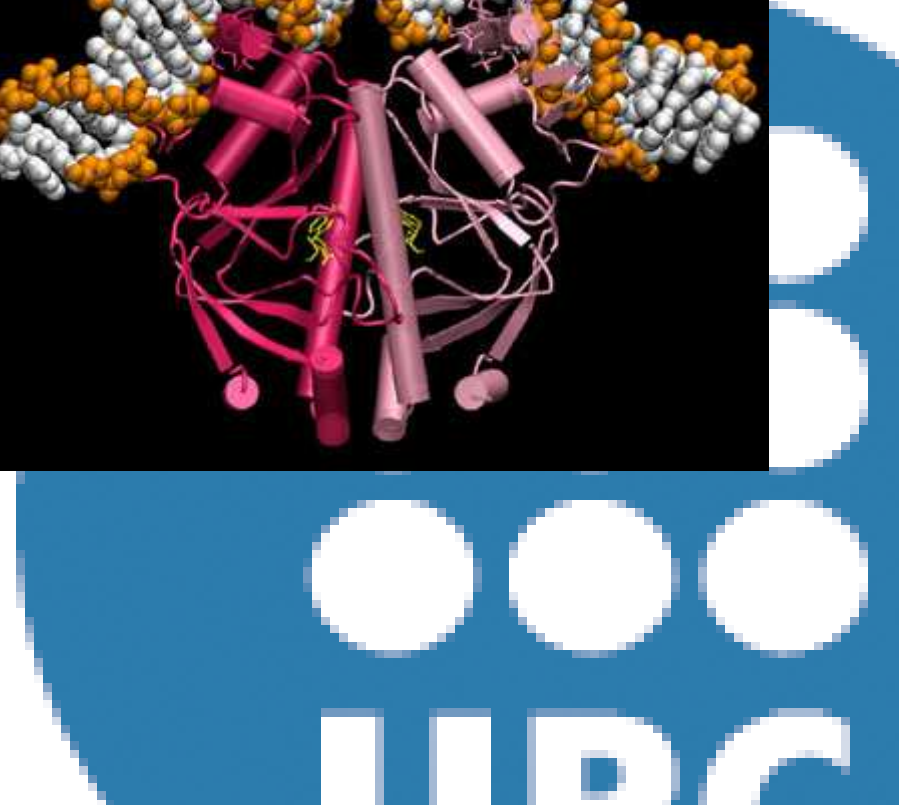
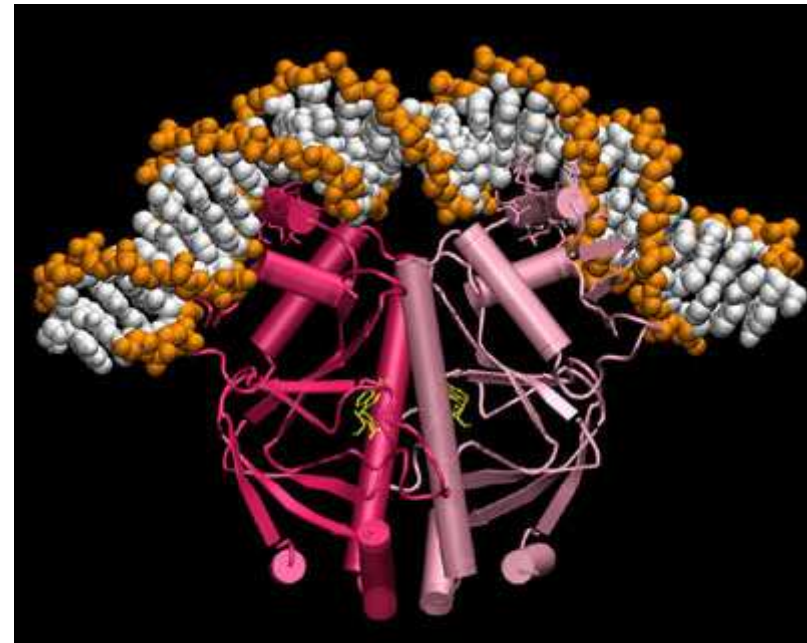
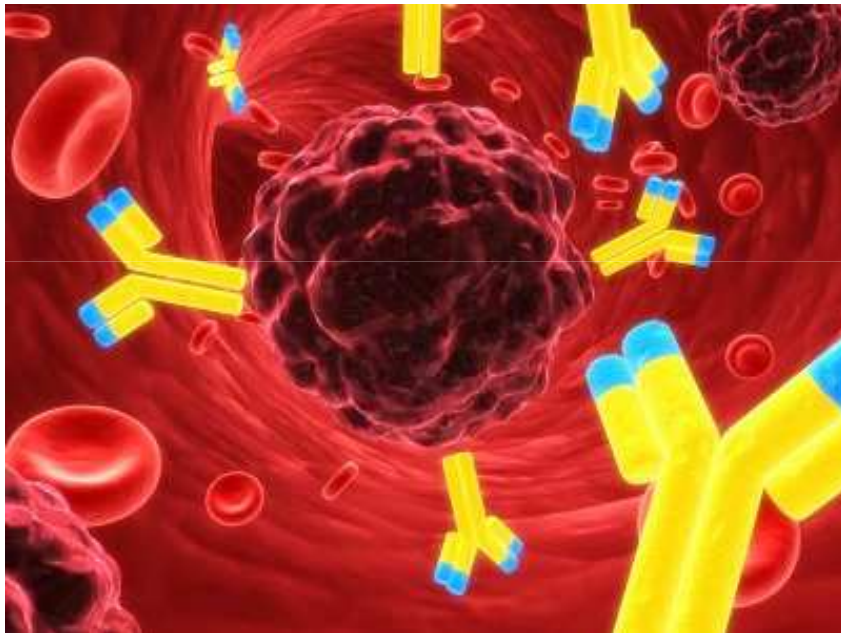


El balón se expande
varias veces

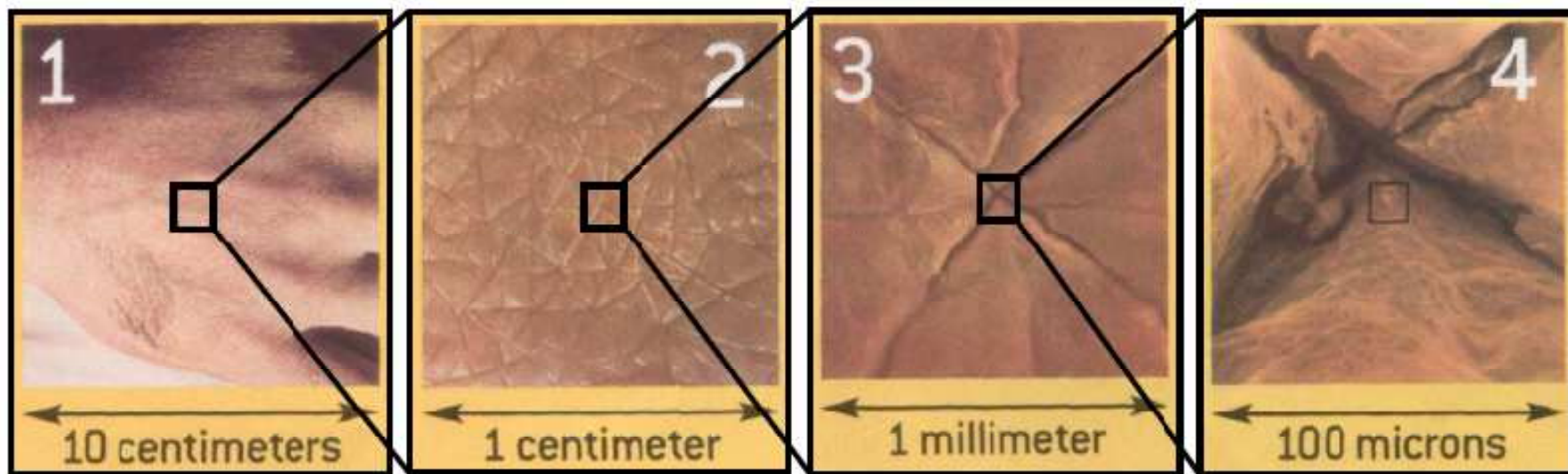


ENGINYERIA BIOMEDICA

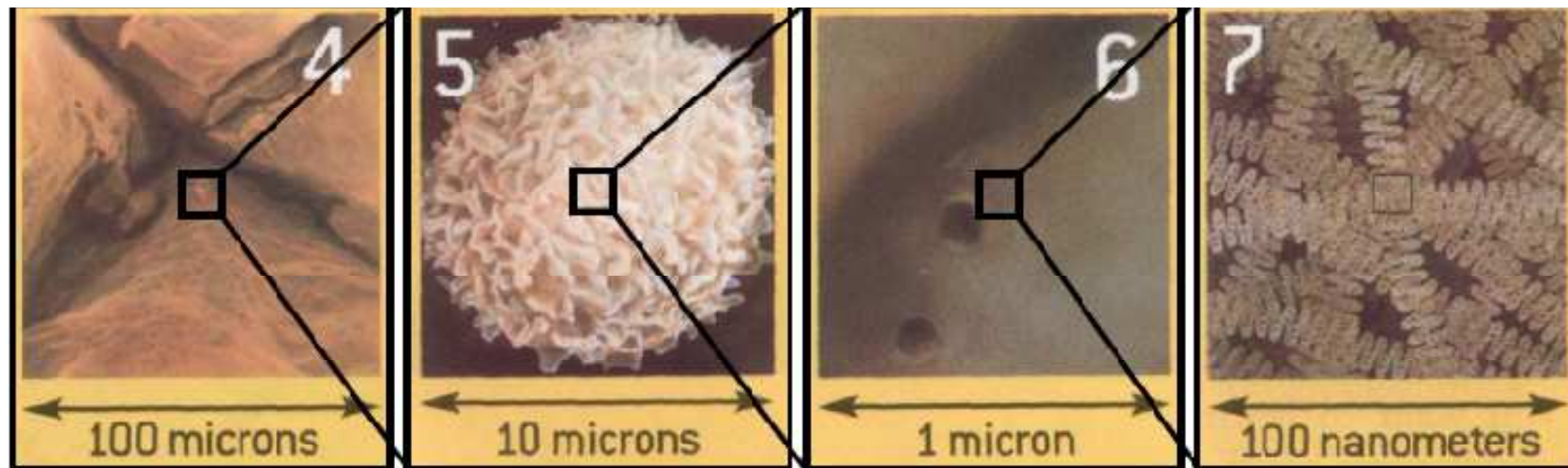




Nanomateriales



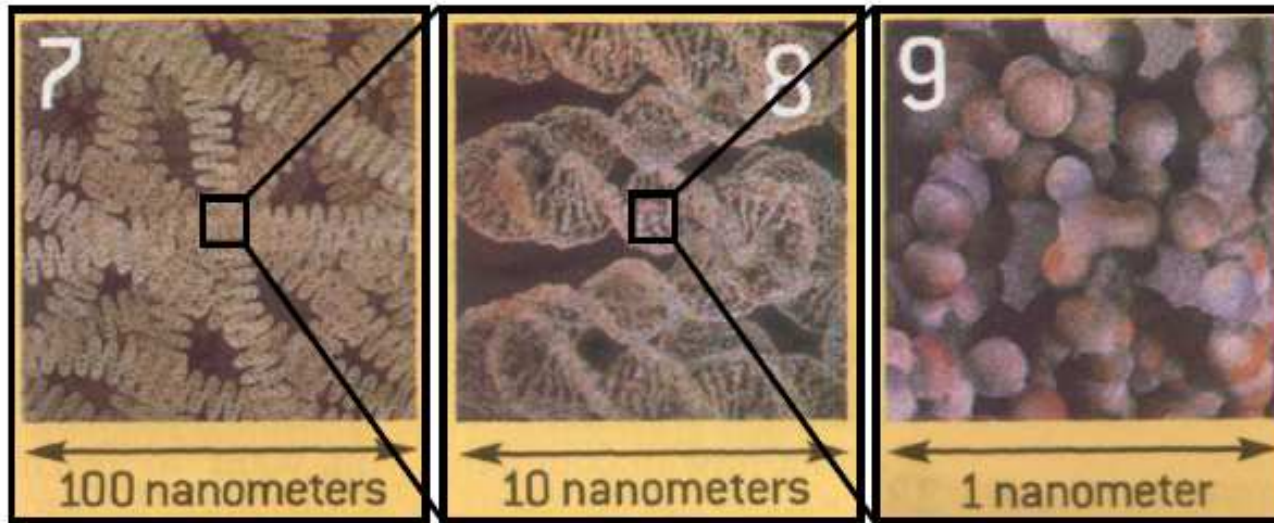
Skin



Skin

**White blood
cell**

DNA

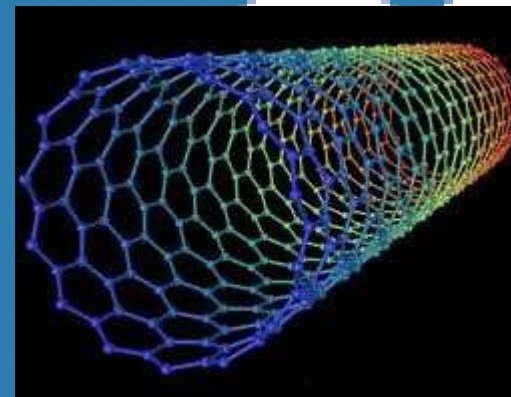
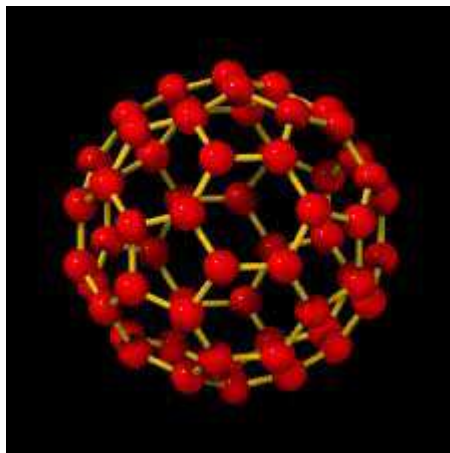
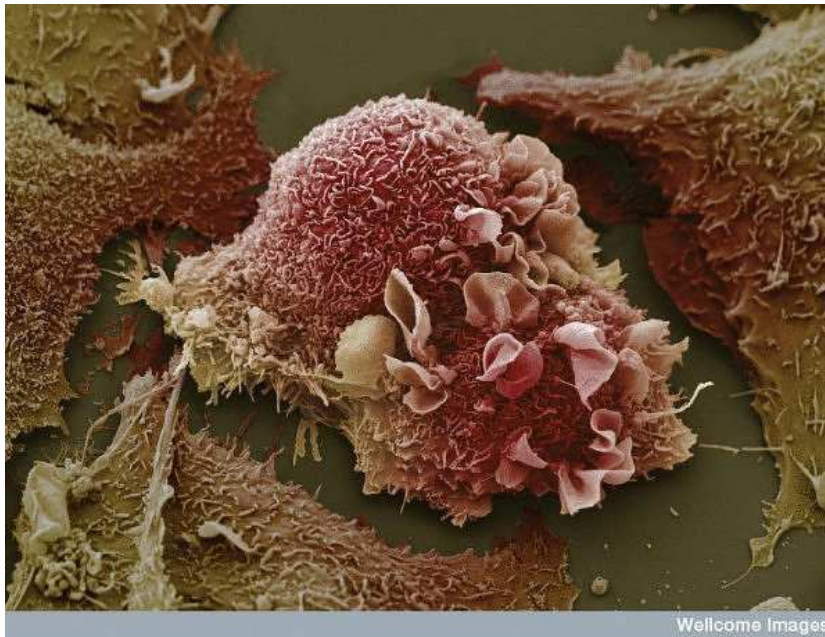


DNA

Nano = One-billionth (10^{-9})

Nanotecnología: *cercano a tamaño atómicos*

Lo nano siempre ha existido, pero lo que define la nanotecnología
como ciencia
es la manipulación y observación de los nano





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