

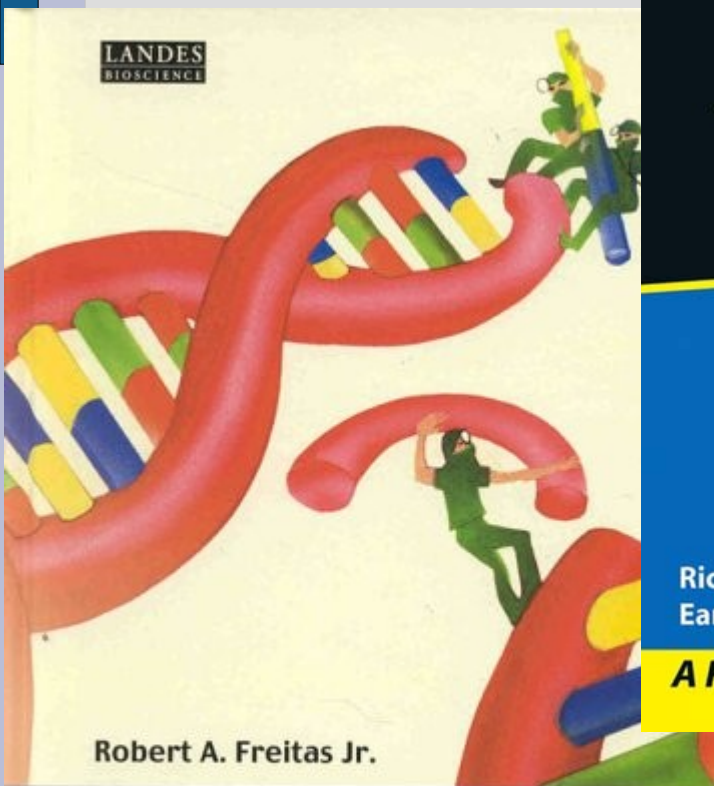
Masarykova univerzita
Lékařská fakulta – Biofyzikální ústav

Nanotechnologie v medicíně

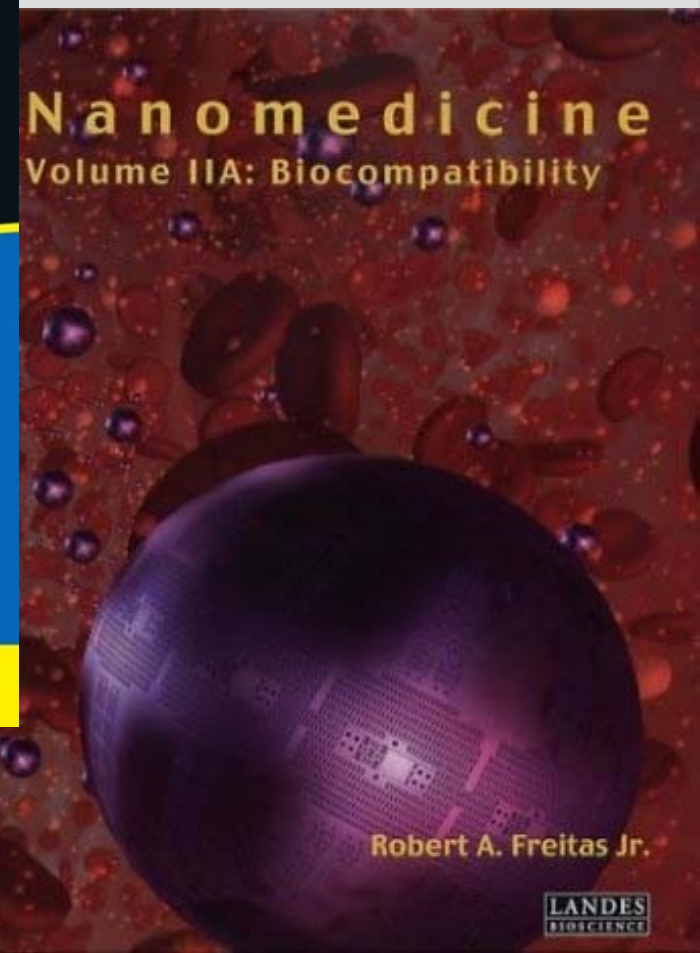
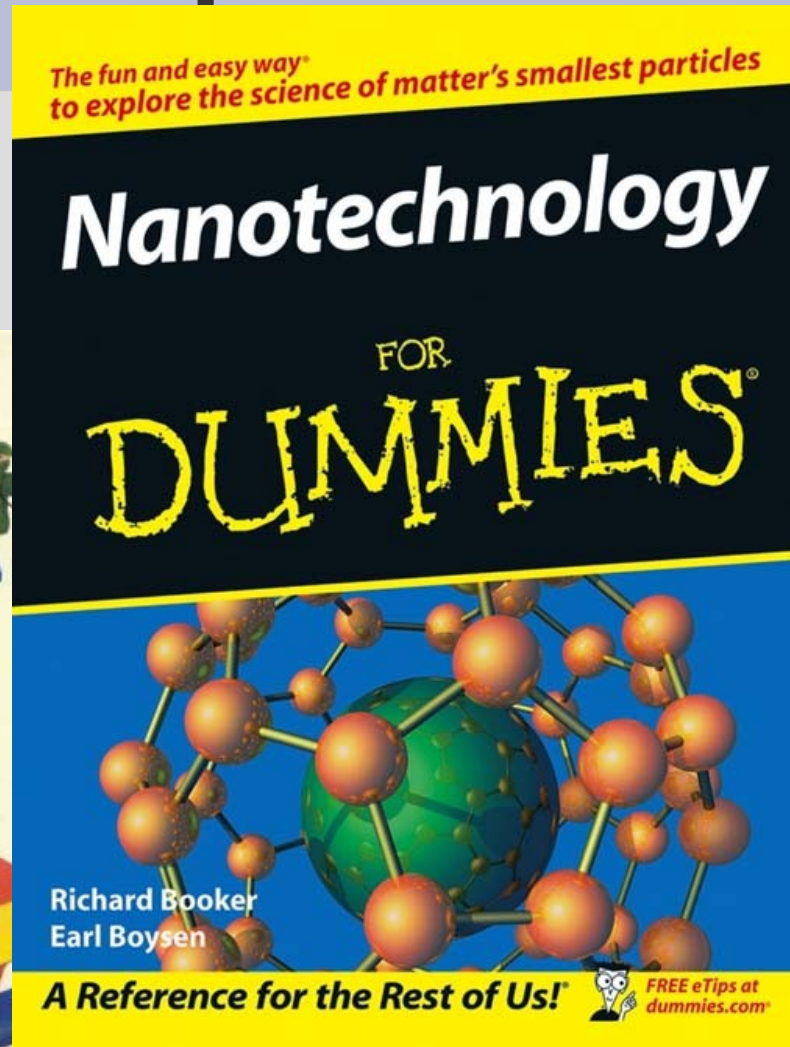
Jaromír Šrámek

2009/10

Literatura pro samostudium?



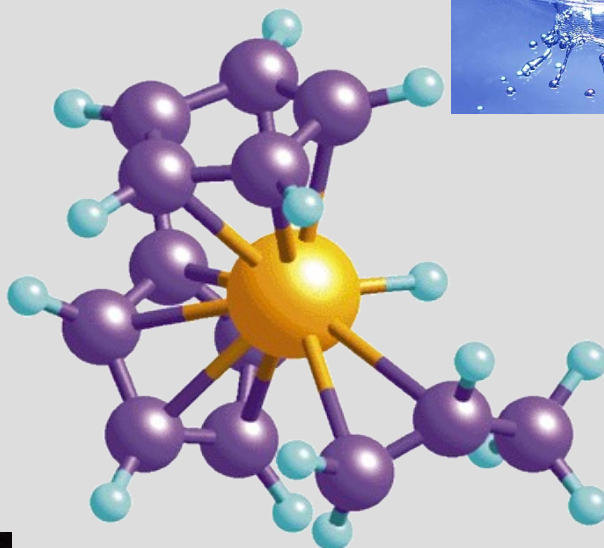
Nanomedicine
Volume I: Basic Capabilities



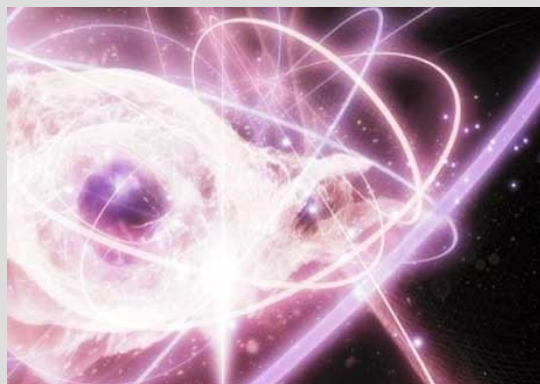
Nanověda ?



**Fyzika makrosvěta
Biologie**

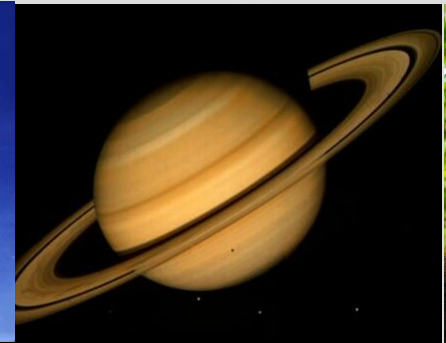
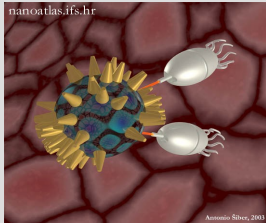
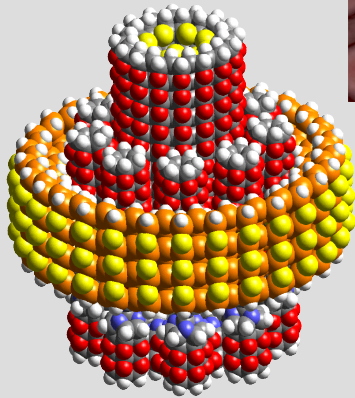


Chemie

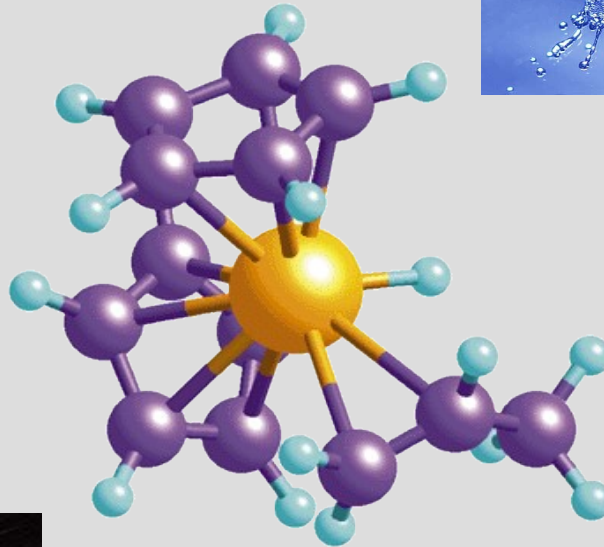


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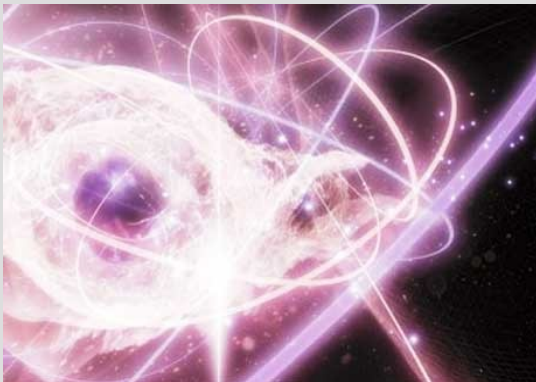
Nanověda



**Fyzika makrosvěta
Biologie**



Chemie



Fyzika mikrosvěta

Nanotechnologie

nanostrukturní
materiály

nanoelektronika

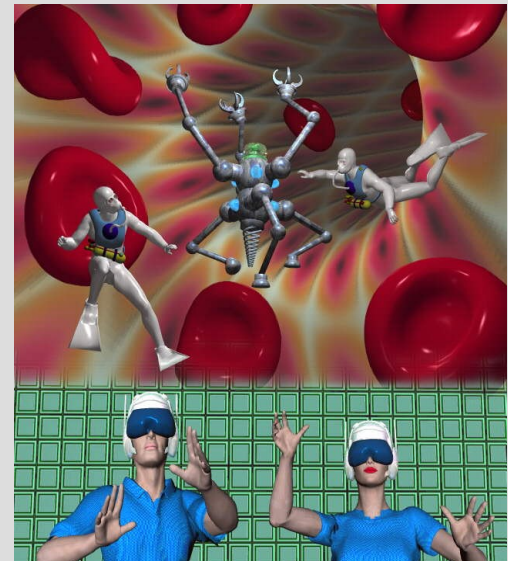
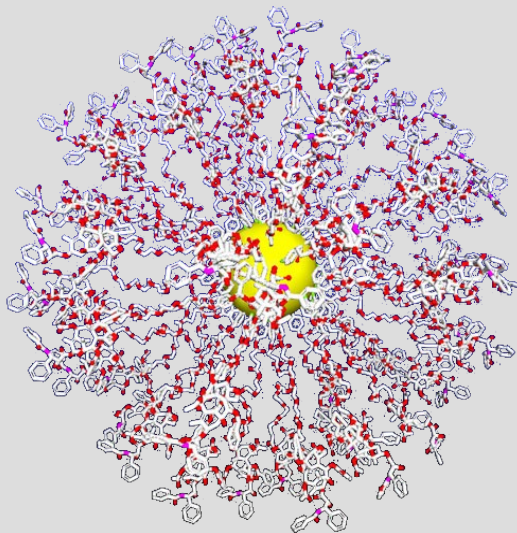
nanotechnologie

nanometrová
mikroskopie

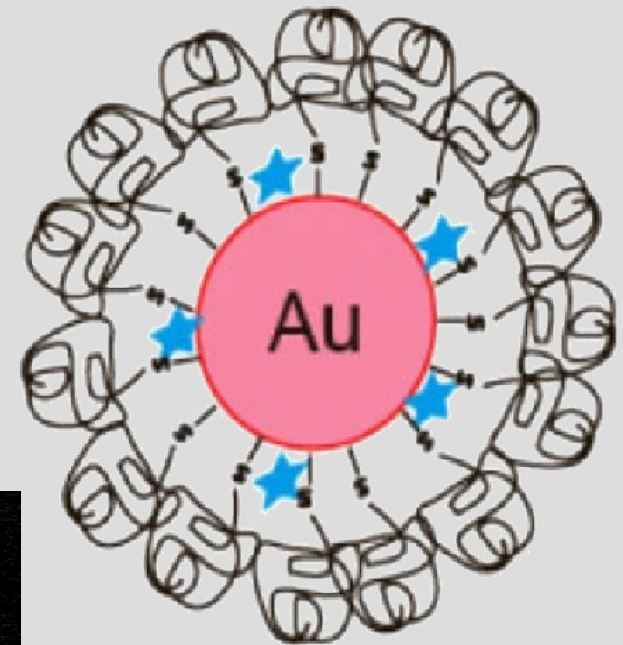
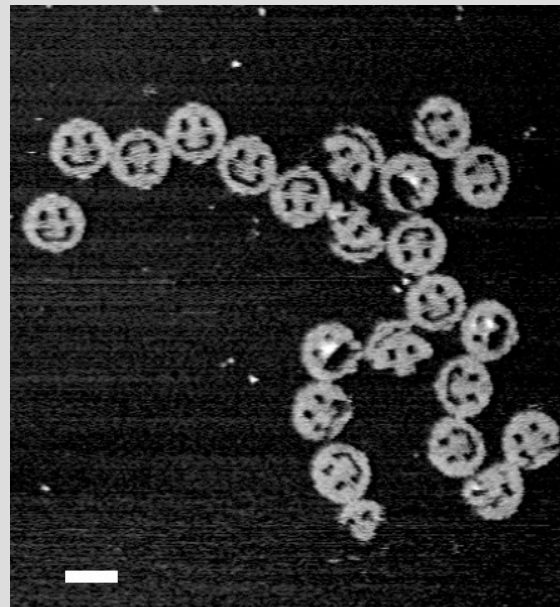
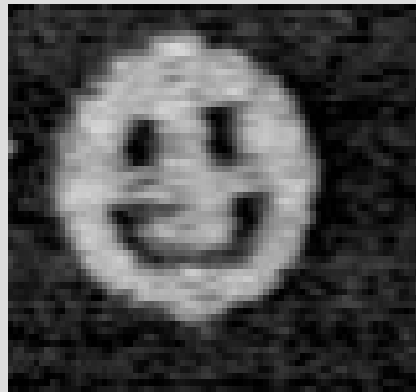
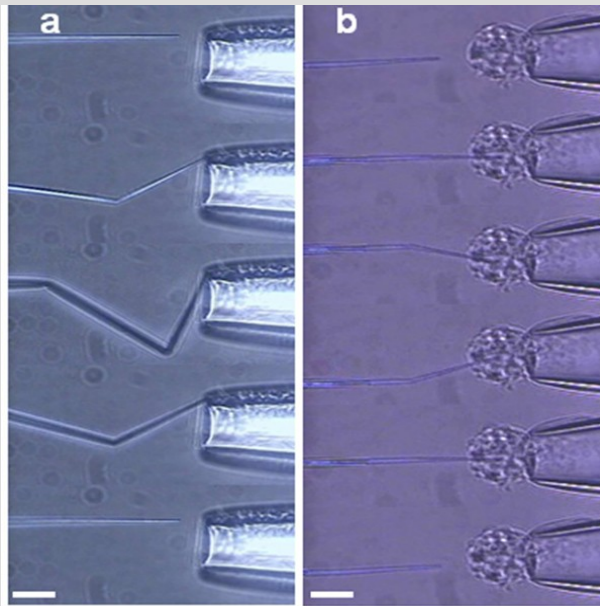
molekulární
nanotechnologie

Nanomedicína

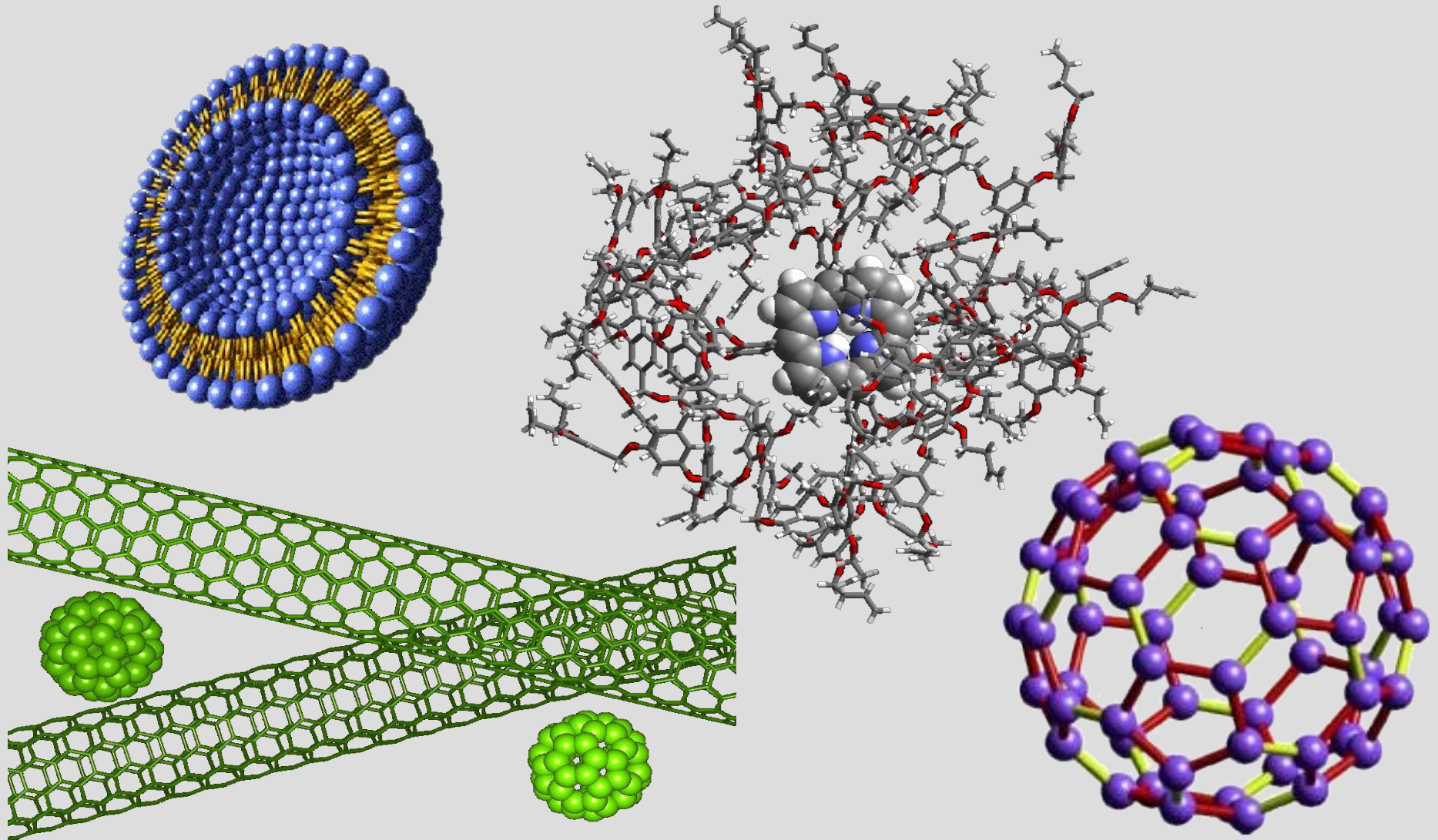
- Nanodiagnostika
- Nanofarmakologie
- Regenerativní medicína
- Implantáty
- Terapeutiční nanoboti
- ...



Nanodiagnostika

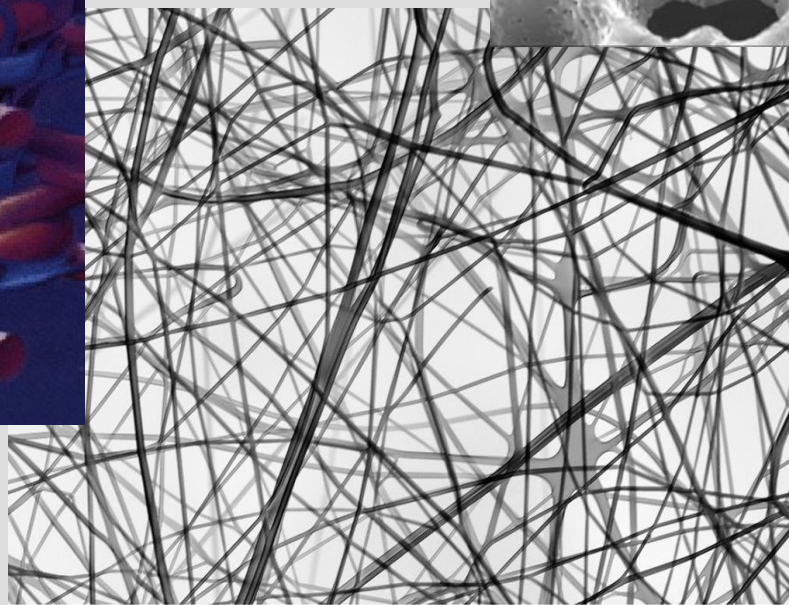
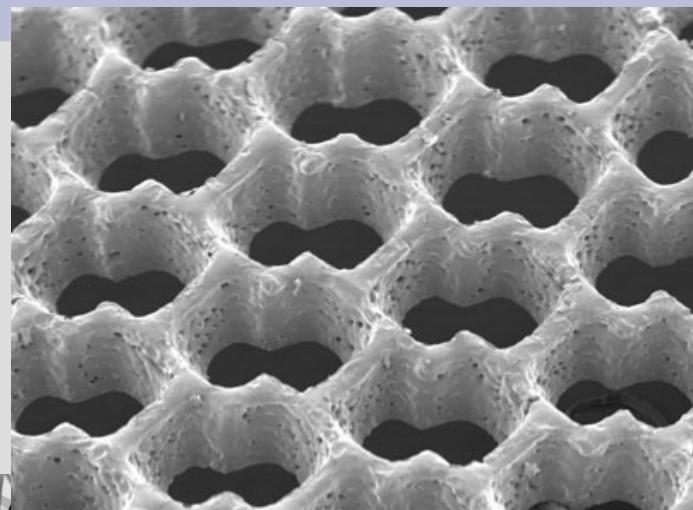
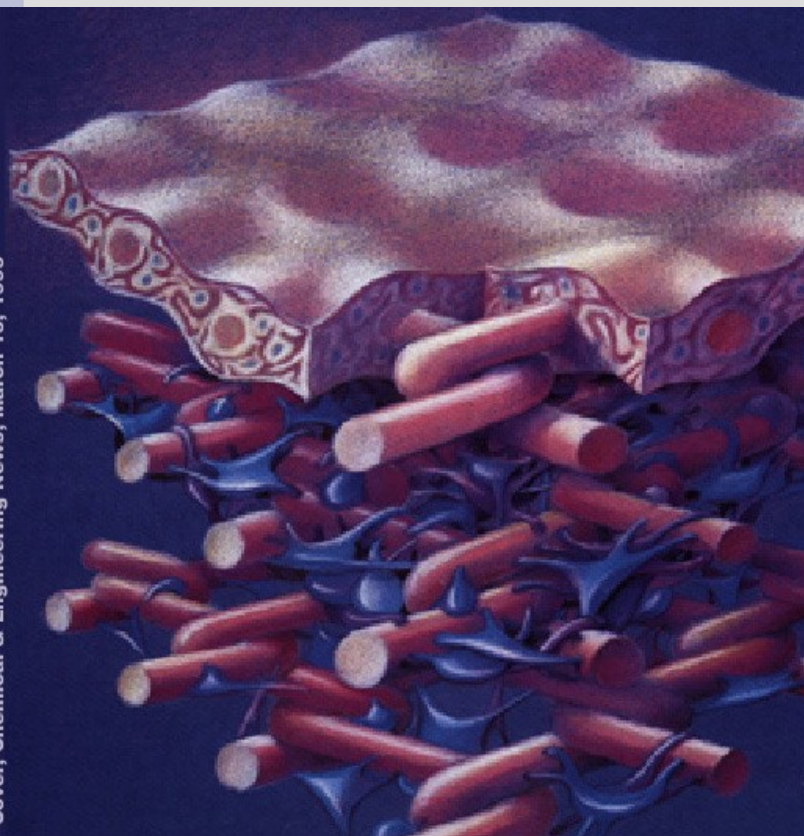


Nanofarmakologie



Tkáňové inženýrství

Cover, Chemical & Engineering News, March 13, 1995



Mag = 3.60 K X
1 μ m

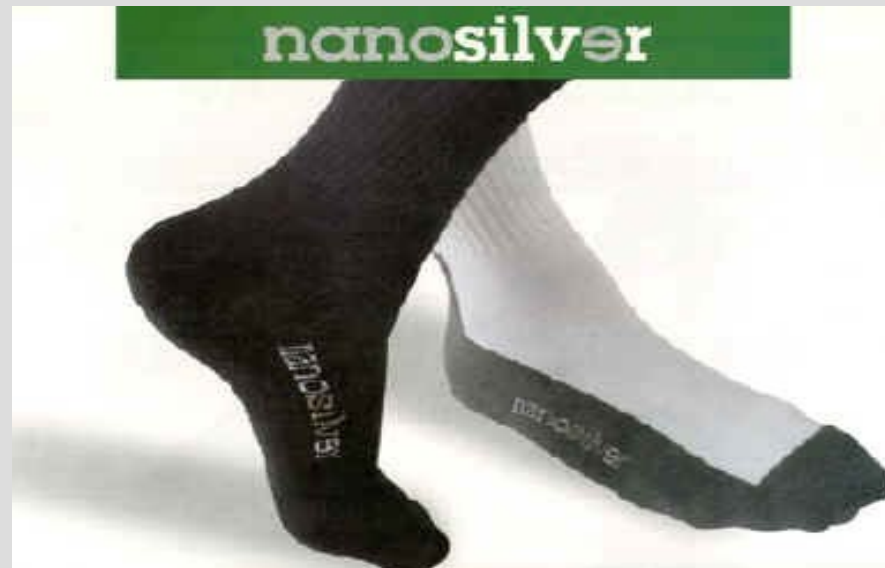
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Signal A = InLens
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Date :1 Dec 2005
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Shrnutí

- Nanotechnologie
 - neznamená jen nanoboty
 - je perspektivní v celá řadě oborů
 - určitě se s ní setkáte v praxi.....



Děkuji za pozornost

