

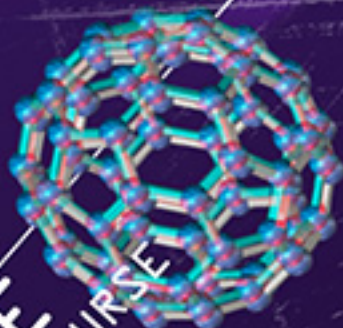
Postgraduate Course

NANOPARTICLES AND THE IMMUNE SYSTEM

RISKS AND THERAPEUTIC OPPORTUNITIES

CBMA / DEP OF BIOLOGY
UNIVERSITY OF MINHO
PORTUGAL

5th - 14th JUNE 2013



SCOPE
OF THE COURSE

The recent boom in nanotechnology based products in our daily life has led to concerns regarding safety and eventual risks of exposure to nanoparticles. On the other hand, development of nanodevices of increasing sophistication and complexity may yield more effective therapies compared to conventional medicine.

Course main topics:

- The potential risks of exposure of the human organism to nanoparticles, in particular at the level of the immune system;
- Nanotechnology-based strategies to control and modulate immune responses in order to treat and potentially cure diseases such as cancer and chronic infections.

Practical classes will allow the participants to produce specific types of nanoparticles, evaluate their cytotoxicity and interaction with immune cell types.

CONTACTS

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