



September
20th to 28th

PLACE:
CESPU

Campus Universitário de Gandra
Rua Central de Gandra, 1317,
4585-116 Gandra - Paredes
Tel 224 157 100 / 177

APPLICATION:

Applications should be submitted at:
<http://inscricoes.cespu.pt>

FOR MORE INFORMATION:

rosaria.dias@cespu.pt

REGISTRATION DEADLINE:

18th September 2018

(+ 10€ after deadline on a space available basis)

www.cespu.pt

C.B.A.S. PhD Program | Advanced Course "Nanotechnology, Drug Delivery and Drug Targeting"

3rd Edition
5 ECTS

MAIN GOALS:

- i) advanced knowledge on nanotechnology in drug formulation and delivery;
- ii) rational, timely and target-driven designs of enhanced nanomedicines;
- iii) contact with research and market products based on nanosystems for drug delivery.

PARTICIPANTS:

The course is opened to young scientists (MSc and PhD students, PhD/MD, Post-doc fellows), and senior researchers interested in nanomedicine and drug delivery and holders of a scientific or professional CV of recognized merit attesting the capacity to attend this course.

TOTAL PARTICIPANTS: 8 (Full course with Lab classes), 50 (Theoretical classes) | Selection based on registration order.

REGISTRATION FEES: 75€/Full Course, 50€/ Theoretical Classes

CERTIFICATE: A certificate will be issued at the end of the course to all students who attended the course assiduously.

ECTS CREDITS: Students who successfully conclude the full course will be awarded 5 ECTS credits (5€, included in the registration fees).

* Please note that only university students or graduates can be awarded ECTS credits.

COURSE SCHEDULE:

20/9	21/9	24/9	25/9	26/9	27/9	28/9
8H00 - 8H30 Introduction.	8H00 - 10H30 T3 - Bruno Sarmento Nanotechnology for drug delivery applications Targeted Nanoparticles.	8H00 - 10H30 T5 - José das Neves Nanotechnology for prevention, diagnosis and management of infectious diseases.	8H30 - 10H30 T7 - Teófilo Vasconcelos Patent, scale-up, industrial production and regulatory approval of nanomedicines	8H00 - 10H30 P1 - Ana Costa; Rute Nunes; Bruno Sarmento Production of polymeric and lipid nanoparticles.	8H00 - 10H30 P3 - Ana Costa; Rute Nunes; Bruno Sarmento Physical-chemical characterization of nanoparticles through FTIR.	8H00 - 13H00 Bruno Sarmento Visit to i3S / Biointerfaces and Nanotechnology Scientific Platform.
8H30 - 10H30 T1 - Bruno Sarmento Nanotechnology for drug delivery applications Polymeric Nanoparticles.	10H30 - 10H45 Coffee Break	10H30 - 10H45 Coffee Break	10H30 - 10H45 Coffee Break	10H30 - 10H45 Coffee Break	10H30 - 10H45 Coffee Break	
10H30 - 10H45 Coffee Break	10H45 - 13H00 T2 - Bruno Sarmento Physical-chemical and biological characterization of nanoparticles.	10H45 - 13H00 T6 - Pedro Castro Nanoparticles for drug delivery to the buccal mucosa.	10H45 - 13H00 T8 - Vitor Seabra Safety and toxicity concerns of nanoparticles as drug carriers.	10H45 - 13H00 P2 - Ana Costa; Rute Nunes; Bruno Sarmento Cell-nanoparticle interaction.	10H45 - 13H00 P4 - Ana Costa; Rute Nunes; Bruno Sarmento Cell-nanoparticle interaction.	
10H45 - 13H00 T2 - Bruno Sarmento Nanotechnology for drug delivery applications Lipid Nanoparticles.						

CESPU TEACHING STAFF:

Bruno Sarmento
José das Neves
Vitor Seabra

INVITED SPEAKERS:

Rute Nunes/Ana Costa, INEB / i3S, U. Porto
Pedro Castro, ESB, U. Católica - Porto
Teófilo Vasconcelos, INEB / i3S, U. Porto, Bial