

1st DAY: 18 of September

Open Session Day 1

10:30-11:00

Being a Good Guest: the Host Implant Paradigm

Prof. Abhay Pandit (National University of Ireland, Galway)

11:00-11:30

Coffee Break

Session 1: Research in Nanomedicine in early stage of development – how to be prepared for translational research.

11:30-11:50

Translational Research in Early Development: Pitfalls, gaps and some practical solutions

Dr. Maria Pilar Calvo (PharmaMar, Spain)

11:50-12:10

Translational aspects of Nanopharmaceuticals for Ocular Delivery

Dr. Covadonga Pañeda (Sylentis, Spain)

12:10-12:30

Moving Nanobiotechnology from the Lab to the Market

Dr. Valeria Grazu (University of Zaragoza, Spain)

12:30-12:50

Application of sophisticated micelles and nanogels in drug delivery: challenges and opportunities

Prof. Rene C.F. van Nostrum (Utrecht University, The Netherlands)

12:50-13:20

Single Chain Nanoparticles towards regulation compliance

Dr. Damien Dupin (CIDETEC Nanomedicine, Spain)

13:30-15:00

Lunch

Session 2: Microfluidics technology applied to nanoformulation

15:00-15:20

Concept of Microfluidics for Chemical production

Dr. Thomas R. Dietrich (IVAM, Germany)

15:20-15:40

On-line and in-line quality control for nanomanufacturing

Dr. Alice Kasjanow (MICRONIT, Germany)

15:40-16:00

Continuous Flow Processing: Scalability, Advantages & Challenges for Manufacturing in the Pharmaceutical Industry

Dr. Charlotte Wiles (CHEMTRIX, The Netherlands)

16:00-16:20

Development of a Micro-mixing Pilot Line for the Continuous Production of Glycan Coated Nanoparticles

Dr. Graham Worrall (CPI, England)

16:20-16:30

Coffee break

16:30-17:00

Demonstration in microfluidics (CHEMTRIX & MICRONIT)

Session 3: Research in Nanomedicine in early stage of development II

17:00-17:20

Challenges in the journey from research to final drug product.

Gemma Lahuerta (Reig Jofré, Spain)

17:20-17:40

From lab procedures to a pilot plant under GMP. An obstacle race

Dr. Jose Crecente (University of Santiago de Compostela Spain)

17:40-18:00

Bridging early academic research & clinical development on polypeptide-based nanomedicines

Dr. Vicent J Nebot (Polypeptides, Spain)

18:00-18:20

Synthesis and characterization of functional hyaluronic acid conjugates for biomedical applications

Dr. Vijaya Krihsna (National University of Ireland, Galway)

Dinner for the SPEAKERS

2nd DAY: 19 of September

Open Session Day 2

8:30- 9:00

The ETPN Nanomedicine Translation Hub
Patrick Boisseau (Nanomedicine research in CEA, France)

Session 4: Advanced characterisation techniques

9:00-9:20

Analytical developments for the characterization of nanomedicine; From raw materials to nanoformulations.
Dr. Mathieu Menta (UT2A, France)

9:20-9:40

Overcoming challenges in biophysical characterization of Nanopharmaceuticals
Dr. Markus Epe (MALVERN)

9:40-10:00

Radiochemistry and nuclear imaging: application to the in vivo investigation of nanomaterials
Dr. Jordi Llop (CIC Biomagune)

10:00-10:20

Physical-Chemical Characterization of Nanomedicines
Dr. Luigi Calzonai (Joint Research Center, ISPRA, Italy)

10:20-10:40

Nanocharacterization: what is still missing to improve translation in nanomedicine
Patrick Boisseau (EUNCL)

10:40-11:10

Coffee break

Session 5: Nanomedicine and regulatory environment for nano-investigational medicinal products.

11:10-11:30

Regulatory Science approaches to improve translational research in nanomedicine
Dr. Maria Beatriz Silva (University of Lisbon, Portugal)

11:30-11:50

The EudraLex Rules Governing Medicinal Products in the European Union. The Annex 13 about Investigational Medicinal Products
Dr. Francisco Arenal (MEJORAN, Spain)

11:50-12:10

Regulatory requirements for clinical trials' authorization
Dr. Marcos Maroto (Instituto Fundación Teófilo Hernando IFTH, Spain)

12:10-12:30

The Spanish Medicines Agency's Office for support of innovation and knowledge of medicinal products
Dr. César Hernández García (EU Innovation Network, AEMPS, Spain)

Session 6: Pilot Plant

12:30-13:00

Pilot Plant Facilities and capacities
Dr. Iraida Loinaz (CIDETEC Nanomedicine, Spain)

13:00-14:30

Lunch

Closing sessions

14:30-15:00

Fighting against cancer stem cells with Nanomedicine
Dr. Simó Schwartz (CIBBIM-Nanomedicine, Spain)

End of the Workshop and VISIT TO THE FACILITIES

10-15 min visit in small groups.