

UNIVERSIDAD DE VALENCIA

FACULTAD DE MEDICINA Y ODONTOLOGÍA

# Charles River Seminar 2022



**Tuesday, July 5, 2022 | 8h30 – 12h00**

## Registration

This event will be held in  
Aula Magna de la  
Facultad de Medicina y  
Odontología.  
Av. de Blasco Ibáñez, 15,  
46010 Valencia

Visit our [webpage](#) to  
register.

## Contact

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### 8h30 – Registration and Welcome

#### 8h45 - Selecting Immunodeficient Mice for Oncology & Immuno-oncology Research

Immunodeficient Mice are powerful tools for modelling cancer, but how does one go about choosing the most appropriate model for a specific study purpose?

During our presentation we will review and highlight the key considerations including:

- Selecting the most appropriate model and levels of immunodeficiency
- Benefits and limitations of nude, SCID, and Rag-null mice
- Applications and innovations using the versatile NOD scid gamma (NSG®) strain
- Generating mouse models with a “humanised” immune system

**Speaker:** Emmanuelle Campigna, Regional Manager Business Development Spain & Portugal, Charles River

#### 10h00 - Why You Should Consider Sex as a Biological Variable in Preclinical Research

For mouse-based research investigating new cures for human diseases, one sex is far too often selected over the other. This sometimes happens for sound scientific reasons but omitting sex as a biological variable has several consequences. Single-sex studies can lead to skewed research, translatability issues, flawed conclusions, and raise concerns regarding ethical practices and the 3Rs.

During our presentation we will review and highlight the key considerations including:

- Reasons why male or female mice are sometimes preferred
- The scientific impact sex bias has for multiple biological disciplines
- The significant effect of sex bias on animal welfare
- 3Rs guidelines and recommendations to eliminate sex bias in preclinical studies

**Speaker:** Urte Jaeh (Dipl. Biol.), EU Scientific Service Support Manager, Charles River

#### 11h15 – Plataforma Biobancos y Biomodelos

**Speaker:** Alberto Centeno (INIBIC, Instituto de Investigación Biomédica de A Coruña)