

**MONDAY 13 JUNE**

15:00 - 15:30 Registration and documentation

15:30 - 16:00 Opening ceremony

**16:00 - 18:30 Session I Genotoxicology applied technologies: epigenetics and omics technologies**

1	Reactivation of epigenetically-silenced genes by the CRISPR Technology	Ivan Devesa Guerra
2	Drug screening to reduce genome instability in Fanconi Anemia.	Helena Montanuy Escribano
3	Modelling the Fanconi anemia/BRCA pathway and functional analysis of genetic variants by TALEN and CRISPR-Cas9	Nuria Muñoz Subirana
Break - 30 min		
4	Sex- and time-dependent gene expression profile in kidneys of F344 rats after repeated OTA oral administration	Ariane Vettorazzi
5	Evaluation of sex-dependent kidney oxidative stress response to ochratoxin A in F344 rats using the comet assay in combination with FPG	Jose Manuel Enciso
6	Red Iberoamericana de Toxicología y Seguridad Química	Eduardo de la Peña

20:30 Guided tour to Barcelona

**TUESDAY 14 JUNE****9:30 - 13:20 Session II DNA damage, repair and protection**

1	Cisplatin resistance analysis: insights on the usefulness of accurated DNA quantification.	Marta Espina Fernández
2	Are halonitromethanes in water disinfection by-products potential human tumoral agents?	Alicia Marsà
3	Assessment of genotoxic and carcinogenic potential of long-term exposure to monohaloacetic acids	Constanza Cortés
4	The role of Fra-1 in arsenic-induced cell malignant transformation	Irene Barguilla
5	Oxidative and genotoxic damage drop after arsenic-induced malignant transformation. Involvement of <i>As3mt</i> and <i>Mth1</i>	Jana Peremartí
Break - 30 min		
6	Repair of DNA damage induced by alkylating agents in <i>Arabidopsis thaliana</i>	Casimiro Barbado García-Gil
7	Tumor suppressor C53 interacts with BRCA2, regulates DSB repair and drives breast and ovarian cancer prognosis	Jordi Minguillón Pedreño
8	Effect of CeONP co-treatment in tobacco exposed lung stroma cells	Carlos Camilleri
9	TBX15 as an antiapoptotic factor in cancer cells	Jessica Arribas
10	Loci associated with genomic damage levels in Spanish chronic kidney disease patients	Zuray Corredor
11	The non-canonical SOS-system of DNA-repair and mutagenesis in <i>Acinetobacter baumannii</i>	Jesus Aranda

13:50 - 15:30 Lunch

**16:00 - 18:25 Session III Genotoxicity assessment, an industry perspective**

1	New trends and future needs in genotox testing	Litron laboratories
2	Overview of regulatory requirements in the industry	David López
3	In silico tools of genotox prediction	Antonio Sánchez
Break - 30 min		
4	Is there space for an industry focused research in academia? I - What can academia offer	Adela López de Cerain
5	Is there space for an industry focused research in academia? - II An industry view	Antonio Rodríguez

18:30 - 19:30 Asamblea SEMA

21:00 Congress Diner

**WEDNESDAY 15 JUNE****9:30 - 12:30 Session IV Nanogenotoxicology**

1	Genotoxicity assessment of silica-coated iron oxide nanoparticles in human astrocytes	Natalia Fernández Bertólez
2	In vitro evaluation of the genotoxicity of polymeric nanoparticles as carriers for oral drug administration	Tamara Iglesias Alonso
3	Comet assay as a method for genotoxic assessment of engineered nanomaterials	Alba García
Break - 30 min		
4	Evaluation of flow cytometry to detect micronucleus induction by different nanoparticles in BEAS 2B cells	Liliya Kazantseva
5	Caco-2 cells as an <i>in vitro</i> model to determine detrimental effects on the intestinal barrier. Studies with Ag-NPs at sub-toxic concentrations	Laura Vila
6	Role of copper oxide nanoparticles as antigenotoxic agents. Studies in <i>Drosophila</i>	Mohamed Alaraby
7	Evaluation of the genotoxic potential of silver nanoparticles in <i>Drosophila melanogaster</i>	Sara Romero

12:30 Congress closure