



## **ORAL SESSIONS**

### **SCHEDULE**

#### **SESSION 2. Transdermal and Transmucosal Delivery. Thursday 23th January. 10.45-11.15**

- **Photothermal therapy of basal cell carcinoma using gold nanorods-loaded microarray patches.** A.S. Cordeiro, Á. Carcamo-Martínez, M.T. Rahman, S.E.J. Bell and R.F. Donnelly
- **Functionalized hydrogels for transferulic acid loading and release** A. Varela-Garcia, C. Alvarez-Lorenzo, A. Concheiro.

#### **SESSION 3. Therapy and prevention of infectious diseases. Thursday 23th January. 12.15-13.00**

- **Hyaluronic acid-Amphotericin B Nanocomplexes: a Promising Anti-leishmanial Targeted Drug Delivery System.** R. Silva-Carvalho, C. Gonçalves, A. I. Bourbon, L. M. Pastrana, P. Parpot, A. Tomás, and M. Gama.
- **Influence of Nanoparticle Design on the Immune Response against an HIV Peptide Antigen.** Tamara G. Dacoba, Robert W. Omenge, Hongzhao Li, Ma Luo, José Crecente-Campo and María J. Alonso.
- **Polymeric films: a novel proposal to improve the management of eye infections.** A.J. Guillot, D. Petalas, T.M. Garrigues and A. Melero.

#### **SESSION 4. Regenerative medicine and cell therapy. Thursday 23th January. 15.15-16**

- **Interpenetrating polymer networks with adjustable mechanical properties provide efficient transfection and prime mesenchymal cells for chondrogenesis.** Marcos Garcia-Fuentes, Adriana M. Ledo, Kyle H. Vining, Maria J. Alonso, David J. Mooney.
- **Overcoming the inflammatory stage of non-healing wounds: in vitro mechanism of action of Negatively Charged Microspheres (NCM).** Edorta Santos-Vizcaino, Aiala Salvador, Claudia Vairo, Luis Correa, Rosa Maria Hernandez, Silvia Villullas, Garazi Gainza, Manoli Igartua.
- **Controlled delivery of non-coding RNA in wound healing via photodegradable polymeric nanoparticles.** V. Francisco, J. Blersch1, C. Rebelo, A. Jimenez-Balsa, H. Antunes, C. Gonzato, S. Pinto, S. Simões, K. Liedl, K. Haupt, L. Ferreira.

#### **SESSION 5. Targeted Drug Delivery and Combination therapies. Thursday 23th January. 17.30-18.15**

- **Self-illuminating nanoparticles can activate the photosensitizer verteporfin for photodynamic therapy in Pancreatic Ductal Adenocarcinoma (PDAC).** M. Abal-Sanisidro, S. Díez-Villares, S. Alijas, R. Carreira-Rodríguez, MG. Blanco, M. de la Fuente.

- **Combinatorial nanomedicine for treating pediatric osteosarcoma.** C. Rodríguez-Nogales, V. Sebastián, H. Moreno, S. Irusta, S. Mura, D. Desmaële, P. Couvreur, F. Lecanda, and M. J. Blanco-Prieto.
- **Synthesis of biologic-responsive targeting polymeric conjugates to manufacture docetaxel-loaded nanoparticles for glioblastoma chemotherapy.** C. Martins, M. Araújo, J. W. Aylott and B. Sarmiento.

#### **SESSION 7. Delivery of Biomacromolecules and oligonucleotides. Friday 24th January. 10.15-11**

- **Precision Nanomedicine-based Therapeutics to Regulate Immunosuppression Against Melanoma.** B. Carreira, R.A. Acúrcio, A. Krivitsky, E. Pisarevsky, A.I. Matos, J.M. Coniot, A. Scomparin, R. Satchi-Fainaro and H.F. Florindo.
- **Hyaluronic acid enveloped metallic nanocomplexes for RNA delivery.** M. L. Borrajo, M. Durán-Lobato and M. J. Alonso.

#### **SESSION 8. Oral Delivery of drugs and other active ingredients Friday 24th January. 12.45-13.15**

- **Polymeric micelles obtained by a novel chitosan derivative as potential delivery nanosystem of hydrophobic drugs.** A. Almeida, M. Araújo, R. Novoa-Carballal, F. Andrade, M. Lúcio, S. Schwartz Jr., B. Sarmiento.
- **Potential of nanoemulsions stabilised by ascorbyl-dipalmitate to increase the interaction with the intestinal barrier via the SVCT-1 transporter.** M.V. Lozano, M. Plaza-Oliver, A. Beloqui, L. Castro-Vázquez, V. Rodríguez-Robledo, J. González-Fuentes, P. Marcos, M. Arroyo-Jiménez, M.J. Santander-Ortega, V. Préat