

Formazione professionale

- XVIII Scuola per Dottorandi in Scienze Farmaceutiche: "INNOVATION IN LOCAL DRUG DELIVERY", Como (Italia) 2018
- XVI Scuola-Convegno sulla Chimica dei Carboidrati (XVI CSCC), Siena (Italia) 2018
- I SIR-CRS workshop: "Reologia e sviluppo di medicinali: due mondi a confronto", Roma (Italia) 2017
- XVI Convegno Nazionale di Reologia, Roma (Italia) 2019
- XIX Advanced School in Pharmaceutical Technology: "CHARACTERIZATION OF COLLOIDAL NANOCARRIERS", Soverato (Italia) 2019
- Conferenza "NANOINNOVATION 2019", Roma (Italia) 2019

Pubblicazioni scientifiche

- Design of a tunable nanocomposite double network hydrogel based on gellan gum for drug delivery applications.
S. Pacelli, P. Paolicelli, M. Avitabile, G. Varani, L. Di Muzio, S. Cesa, J. Tirillò, C. Bartuli, M. Nardoni, S. Petralito, A. Adrover, M.A. Casadei. European Polymer Journal 104,184-193, 2018.
- Effect of glycerol on the physical and mechanical properties of thin gellan gum films for oral drug delivery.
P. Paolicelli, S. Petralito, G. Varani, M. Nardoni, S. Pacelli, L. Di Muzio, J. Tirillò, C. Bartuli, S. Cesa, M. A. Casadei, A. Adrover. International Journal of Pharmaceutics 547, 226-234, 2018.
- Experimental and Modeling Study of Drug Release from HPMC-Based Erodible Oral Thin Films.
A. Adrover, G. Varani, P. Paolicelli, S. Petralito, L. Di Muzio, M. A. Casadei, I. Tho. Pharmaceutics 9, 10, 2018.
- Gellan Gum/Laponite Beads for the Modified Release of Drugs: Experimental and Modeling Study of Gastrointestinal Release.
A. Adrover, P. Paolicelli, S. Petralito, L. Di Muzio, J. Trilli, S. Cesa, I. Tho, M. A. Casadei. Pharmaceutics 17, 11, 2019.
- Gelation of the internal core of liposomes as a strategy for stabilization and modified drug delivery I. Physico-chemistry study.
S. Petralito, P. Paolicelli, M. Nardoni, J. Trilli, L. Di Muzio, M. Relucenti, R. Matassa, A. Vitalone, A. Adrover, M. A. Casadei. International Journal of Pharmaceutics 585, 2020.
- Gelation of the internal core of liposomes as a strategy for stabilization and modified drug delivery II. Theoretical analysis and modelling of in-vitro release experiments.
S. Petralito, P. Paolicelli, M. Nardoni, A. Tedesco, J. Trilli, L. Di Muzio, M. A. Casadei, A. Adrover. International Journal of Pharmaceutics 585, 2020.

Atti di congresso

- Freeze-dried nanocomposite gel beads for oral drug delivery. In vitro simulation of gastro-intestinal drug release.
A. Adrover, L. Di Muzio, J. Trilli, S. Petralito, P. Paolicelli, M.A. Casadei. 7th European Drying Conference; Politecnico di Torino, Italia (2019).
- 3D Porous Graphene-Based Double Polymeric Networks for Controlled Drug Delivery.
H.C Bidsorkhi, L. Di Muzio, A.G. D'Aloia, P. Paolicelli, G. De Bellis, M.A. Casadei, M.S. Sarto. 9th Graphene Conference, Roma, Italia (2019).
- Non thermal electromagnetic fields to trigger on -demand drug release from high-Tm magnetoliposomes.
S. Petralito, P. Paolicelli, M. A. Casadei, J. Trilli, L. Di Muzio, M. Liberti, F. Apollonio. 21st international conference and exhibition on pharmaceutics & Novel drug delivery system, Roma, Italia (2020).

Borbona, 20-08-2020

Firma

Luca Di Muzio