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Bioinspired Design in Drug Delivery

Guest Editors:

Dr. Vincenzo Guarino

Institute of Polymers, Composites and Biomaterials (IPCB), National Research Council of Italy, Mostra d'Oltremare Pad. 20, V.le J. F. Kennedy 54, 80125 Naples, Italy

Dr. Liliana Pires

International Iberian Nanotechnology Laboratory, Braga, Portugal

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closed (31 May 2019)

Message from the Guest Editors

Dear Colleagues,

The increasing demand of smart carriers with superior functionalities and release profiles is leading to the development of bioinspired drug delivery systems (DDS). Different functional biopolymers can be successfully used to encapsulate cells and/or to administer drugs or biomolecules through highly programmable time and space delivery routes. Moreover, the addition of biological recognition sites further allows more efficiently guide cellular activities and synchronizing responses to environmental stimulation, in order to design bioinspired DDS for in vivo targeting.

We would encourage scientists from multidisciplinary areas to contribute original and review articles regarding the recent advances in materials science and nanotechnology to design bioinspired drug delivery systems.

Dr. Vincenzo Guarino

Dr. Liliana Pires

Guest Editors

Keywords

- Gels
- Polyelectrolytes
- Micro/nanofibers
- Smart capsules
- Micro/nanotechnologies



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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of
Pharmacy, Rutgers, The State
University of New Jersey, William
Levine Hall, Room 225C, 160
Frelinghuysen Road, Piscataway,
NJ 08854-8020, USA

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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