Special Issue

Nanoparticle Protein Corona and Its Biological Applications

Message from the Guest Editors

The formation of the biomolecular corona influences the behavior of nanoparticles in vitro and in vivo and ultimately its final fate and successful application. Detailed investigation of the biological identity of nanoparticles under different physiological conditions and environments is needed to improve understanding of the protein-nanoparticle interactions. Therefore, it is essential to provide with precise analysis of the corona, to be able to predict the biological interactions and to improve nanomedicines toward its clinical translation. In this Special Issue, we aim to provide an overview of the current advances and pitfalls on the bio-nano interactions field. We would like to invite you to submit research papers or review articles discussing the most recent advances in this research area. We expect contributions from a broad community of scientists working on a wide range of disciplines, covering from nanomaterial synthesis to biomedical applications, toxicity implications as well as novel approaches and biotechniques for accurate bio-corona analysis on nanoparticles. We look forward to receiving your valuable research contributions.

Guest Editors

Dr. Neus Feliu

Zentrum für Angewandte Nanotechnologie CAN, Fraunhofer-Institut für Angewandte Polymerforschung IAP, 20146 Hamburg, Germany

Dr. Monica Carril

Biophysics Institute (CSIC-UPV/EHU), Leioa, Spain

Deadline for manuscript submissions

closed (25 September 2019)



International Journal of Molecular Sciences

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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