

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.

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