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# **Mechanisms of Cellular Toxicity of Nanoparticles**

Guest Editor:

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Deadline for manuscript submissions:

closed (30 October 2020)

## Message from the Guest Editor

Dear Colleagues,

The application of nanomaterials (NM) in everyday life is constantly increasing. NM are used, e.g., in cosmetics, medicine, the food industry, electronics or chemistry. As a result, humans are exposed to various types and mixtures of NM that may impact health and contribute to development of numerous diseases. To reveal biological consequences of NM exposure, the toxicity of NM and mechanisms of induction of their negative effects should be investigated. This is a major aim of the Special Issue. Manuscripts to be considered should focus on mechanisms of toxicity of diverse NM, preferable those commonly used, in relevant cell lines, 3D models or in experimental animals. Studies focusing on human exposure to NM are also welcome. The authors should avoid presentation of basic toxicity markers (e.g., cytotoxicity), but more complex approaches including genomics and proteomics are rather encouraged. Ideally, a battery of toxicity markers should be applied to reveal interactions between NM and the test system and biochemical pathways induced by the exposure.

Dr. Pavel Rossner Guest Editor



**Special**sue









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## **Editor-in-Chief**

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