

Special Issue

Magnetic Cell Separation

Message from the Guest Editor

Magnetic cell separation has become a key methodology for the isolation of target cell populations from biological suspensions, covering a wide spectrum of applications from diagnosis and therapy in biomedicine to environmental applications or fundamental research in biology. This Special Issue aims to create a forum of discussion to share advances and address current challenges in magnetic cell separation. The topics listed below are meant as a guideline for possible contributions:

- Cell separation devices: a) Batch-type magnetic separators; b) Optimized magnetic field sources for cell separation; c) Microfluidic separation platforms based on magnetism.
- Cell targeting and sorting strategies: a) Cell labeling strategies; b) Label-free separation methods based on magnetism; c) Multifunctional nanoparticles for magnetic cell separation and detection.
- Applications: a) Translation into clinical and industrial practice; b) Rare cell isolation; c) Single cell isolation; d) Environmental applications; c) Other applications.

Guest Editor

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Message from the Editor-in-Chief

Editor-in-Chief

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