

# 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.

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### Guest Editor

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### Deadline for manuscript submissions

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## Magneticochemistry

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### Message from the Editor-in-Chief

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#### Editor-in-Chief

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