Special Issue

Field-Flow Fractionation in Chemical Biology

Message from the Guest Editors

Field-flow fractionation is increasingly employed to assist the development, characterization, and purification of macromolecules of natural, biological, or synthetic origin. This flow-assisted separation technique is ideally suited to separate native structures with a gentle separation mechanism; the operational flexibility is appealing both for early-stage development of materials and for semipreparative purposes. More recently, its use for the analysis of nano-biopharmaceutical products has rapidly expanded. R&D, certification, validation, industrialization, and large-scale production require instrumental and methodological platforms specifically tailored to handle such analytes in native conditions. In this Special Issue, we want to collect the most recent contributions from researchers in field-flow fractionation and hyphenated techniques for the analysis and characterization of macromolecules, nanoparticles, and composite materials in biological systems, pharmaceutics, and chemical biology.

Guest Editors

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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