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Optical tweezing, guiding, sorting and transfection of mammalian cells

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Abstract content
   (Max 300 words)

Recently, laser light sources of different regimes have emerged as an essential tool in the biophotonics research area. Classic applications include, for example: manipulating single cells and their sub-cellular organelles, sorting cells in microfluidic channels and the cytoplasmic delivery of both genetic and non-genetic matter of varying sizes into mammalian cells. In this talk several new findings specifically in the optical cell tweezing, guiding, sorting and transfection study fields are presented.

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