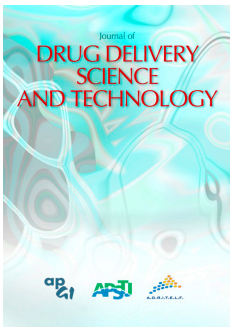
Accepted Manuscript



Development of cell-based assay for characterizing cell adhesion properties of active targeted nanoparticles using an integrated flow chamber

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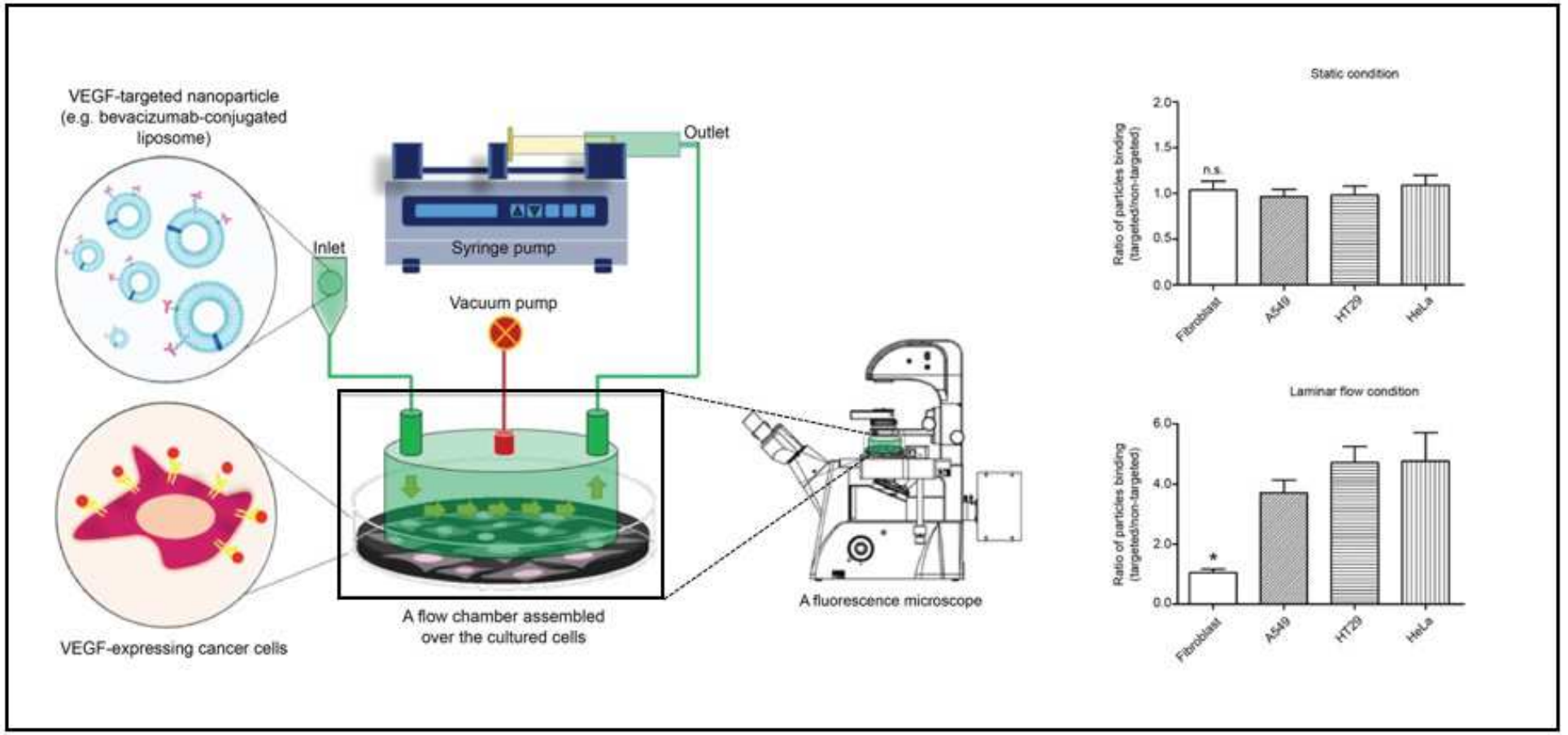
VEGF-targeted nanoparticle
(e.g. bevacizumab-conjugated liposome)
Inlet
Outlet
Syringe pump
Vacuum pump
VEGF-expressing cancer cells
A flow chamber assembled over the cultured cells
A fluorescence microscope
Static condition
Ratio of particles binding (targeted/non-targeted)
n.s.
Fibroblast
A549
HT29
HeLa
Laminar flow condition
*