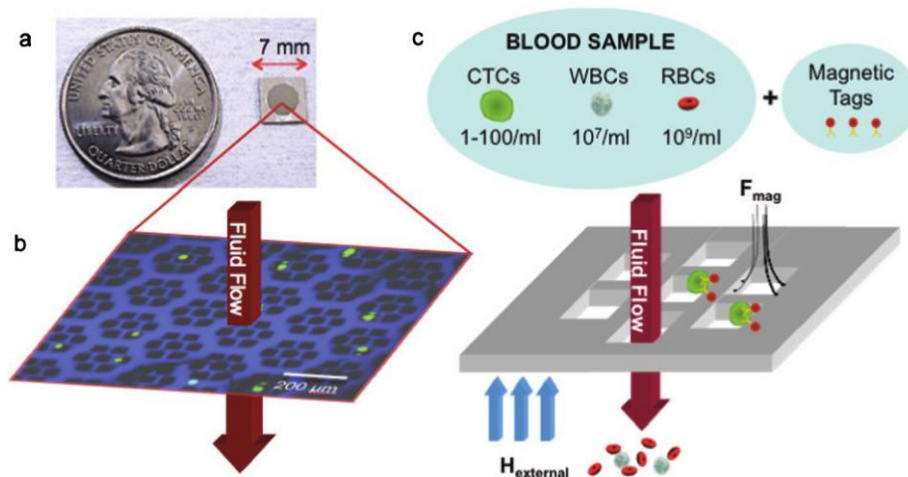


Title: Isolating tumor cells from whole blood using immuno-magnetics

Abstract: The ability to isolate and analyze tumor cells from patients' blood has the potential to eliminate the need for invasive biopsies and personalize pharmaceutical therapies. However, the ability to isolate these cells from blood is complicated by their rarity: for every one tumor cell circulating in the blood, there are billions of blood cells. In other words, the problem is similar to trying to find a needle in a haystack. Immuno-magnetics has the potential to provide sensitive and specific isolation of tumor cells in the background of high numbers of blood cells. We will discuss the strengths and limitations of this method, and its current usage in clinical settings.



Venue: Institute of Biological Research "Siniša Stanković"

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