

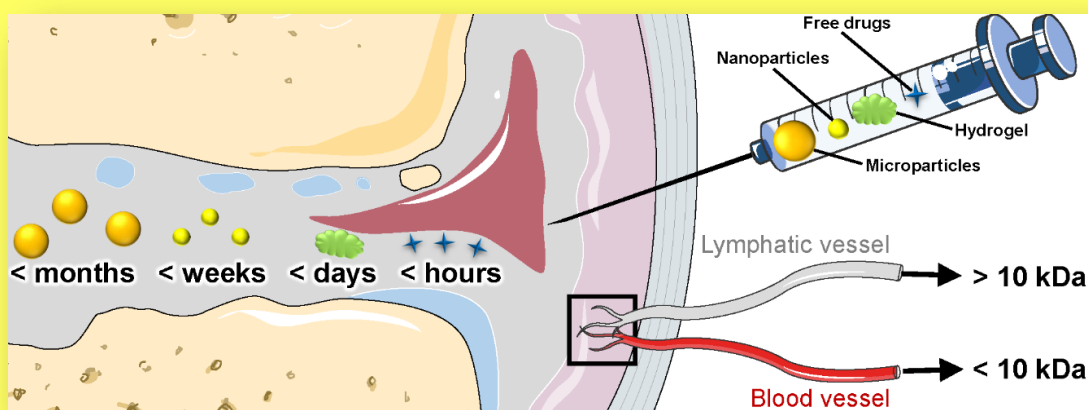


Osteoarthritis : Is surgery the only way? Chemistry and pharmaceutical science may bring new solutions

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Do you suffer from osteoarthritis? Do your parents suffer from it? Osteoarthritis is the most common degenerative disease of the joints. Despite many reports, osteoarthritis is not entirely understood, and there is no yet an effective treatment available for this disease. To satisfy this unmet medical need, drug delivery systems containing disease-modifying osteoarthritis molecules for intra-articular administration are required to improve the health of patients. Drug delivery systems should provide controlled and sustained drug release, enabling long-term treatment with a reduced number of injections. This presentation will introduce a promising way of reconstituting the cartilage by means of microparticles releasing locally novel molecules. A new way of improving the mobility and relieve pain will also be presented. Biopolymers may be synthetically modified to form nanomedicines in order to reach these objectives.



Conférence présentée le

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