

Hemocompatibility of nanocarriers designed to transport biopharmaceutical drugs

Ch. Sevrin, B. Cerda, L. Flebus, F. Lombart and Ch. Grandfils*

Interfacultary Research on Biomaterials (CEIB), University of Liege, Chemistry Institute, B6C, B-4000 Liège (Sart-Tilman), Belgium. * for any correspondence: C.Grandfils@ulg.ac.be





Conclusion

Blood components : sensitive medium to the presence of NP's ; crucial parameter to take into consideration in the design of NP's for

Biood components : sensitive meaium to the presence of NP's; crucial parameter to take into consistention in the design of NP's to the future, in particular for BBB applications. Some of the biological parameters (platelets, Intrinsic pathway of coagulation and C3a) are typically more reactive Useful correlations between NP's properties and blood reactivity can already be extracted from these data (additional information should be implemented to better understand these differences in hemoreactivity). A KEP result of Nanobiopharmaceutics regarding Nanotoxicological aspects



Financial support from the EU FP6 IP NanoBioPharmaceutics as well as CONACYT-Mexico (Grant no. 213606) is gratefully acknowledged.