



Enhanced internalization of lipid nanocapsules in human glioblastoma cells: Influence of the concentration of surface-functionalizing NFL peptide

Submitted by Elise Lepeltier on Tue, 10/03/2017 - 10:07

Titre	Enhanced internalization of lipid nanocapsules in human glioblastoma cells: Influence of the concentration of surface-functionalizing NFL peptide
Type de publication	Communication
Type	Communication par affiche dans un congrès
Année	2017
Langue	Anglais
Date du colloque	27-29/09/2017
Titre du colloque	21st International Symposium on Microencapsulation
Auteur	Karim, Reatul [1], Lepeltier, Elise [2], Palazzo, Claudio [3], Lépinoux-Chambaud, Claire [4], Evrard, Brigitte [5], Eyer, Joël [6], Piel, Géraldine [7], Passirani-Malleret, Catherine [8]
Pays	Portugal
Ville	Faro
Résumé en anglais	Glioblastoma multiforme (GBM) patients have median survival of 14 months after current treatments. Therefore, more efficacious therapies are necessary. Lipid nanocapsules (LNC) functionalized with NFL.TBS-40.63 peptide (NFL) showed enhanced internalization in mouse GBM cells. The aim of the study was to evaluate the effect of the surface-functionalizing FAM-NFL (fluoNFL) concentrations on LNC uptake in U87MG human GBM cells. A ferrocifen-type anticancer molecule (FcTriOH) was encapsulated in the nanocarriers and their in vitro efficacy on U87MG cells was evaluated. Finally, in vivo antitumor effect of the formulations were evaluated in ectopic U87MG tumor model in mice.
URL de la notice	http://okina.univ-angers.fr/publications/ua16274 [9]
Lien vers le document en ligne	http://ismicroencapsulation2017.ualg.pt/ [10]

Liens

- [1] <http://okina.univ-angers.fr/r.karim/publications>
- [2] <http://okina.univ-angers.fr/e.lepeltier/publications>
- [3] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=26743>
- [4] <http://okina.univ-angers.fr/c.lepinoux/publications>
- [5] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=25813>
- [6] <http://okina.univ-angers.fr/joel.eyer/publications>
- [7] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=25814>

[8] <http://okina.univ-angers.fr/c.passirani/publications>

[9] <http://okina.univ-angers.fr/publications/ua16274>

[10] <http://ismicroencapsulation2017.ualg.pt/>

Publié sur *Okina* (<http://okina.univ-angers.fr>)