Mucus models to evaluate nanomedicines for diffusion

Submitted by Laurent Lemaire on Tue, 01/20/2015 - 09:52

Titre	Mucus models to evaluate nanomedicines for diffusion
Type de publication	Article de revue
Auteur	Groo, Anne-Claire [1], Lagarce, Frédéric [2]
Editeur	Elsevier
Type	Article scientifique dans une revue à comité de lecture
Année	2014
Langue	Anglais
Date	Jan-08-2014
Numéro	8
Pagination	1097-1108
Volume	19
Titre de la revue	Drug Discovery Today
ISSN	1359-6446
Résumé en anglais	In the fast-growing field of nanomedicine, mucus is often the first barrier encountered by drug products in the body, and can be the only barrier if it is not overcome by the drug delivery system. Thus, there is a need to design new nanomedicines that are able to diffuse easily across mucus to reach their pharmacological targets. In this design process, mucus diffusion studies are mandatory and have an important role in the selection of the best drug candidates. However, there is currently no standard procedure for diffusion studies across mucus. In this Foundation Review, we discuss the differences observed within mucus models and experimental protocols in diffusion studies, with an emphasis on nanomedicine diffusion.
URL de la notice	http://okina.univ-angers.fr/publications/ua6750 [3]
DOI	10.1016/j.drudis.2014.01.011 [4]
Lien vers le document	http://dx.doi.org/10.1016/j.drudis.2014.01.011 [4]
Titre abrégé	Drug Discovery Today

Liens

[1] http://okina.univ-angers.fr/publications?f[author]=24559
[2] http://okina.univ-angers.fr/frederic.lagarce/publications
[3] http://okina.univ-angers.fr/publications/ua6750
[4] http://dx.doi.org/10.1016/j.drudis.2014.01.011

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