Video Article

Erratum: Targeted Expression of GFP in the Hair Follicle Using Ex Vivo Viral Transduction

URL: http://www.jove.com/video/4339
DOI: doi:10.3791/4339

Keywords: Errata, Issue 61,

Date Published: 3/7/2012

Citation: Erratum: Targeted Expression of GFP in the Hair Follicle Using Ex Vivo Viral Transduction. *J. Vis. Exp.* (61), e4339, doi:10.3791/4339 (2012).

Abstract

A correction was made to: Targeted expression of GFP in the hair follicle using ex vivo viral transduction. A revised abstract was republished due to a publisher error. The correct abstract is:

There are many cell types in the hair follicle, including hair matrix cells which form the hair shaft and stem cells which can initiate the hair shaft during early anagen, the growth phase of the hair cycle, as well as pluripotent stem cells that play a role in hair follicle growth but have the potential to differentiate to non-follicle cells such as neurons. These properties of the hair follicle are discussed. The various cell types of the hair follicle are potential targets for gene therapy. Gene delivery system for the hair follicle using viral vectors or liposomes for gene targeting to the various cell types in the hair follicle and the results obtained are also discussed.

This replaced:

The hair follicle is a highly complex appendage of the skin containing a multiplicity of cell types. The follicle undergoes constant cycling through the life of the organism including growth and resorption with growth dependent on specific stem cells. The targeting of the follicle by genes and stem cells to change its properties, in particular, the nature of the hair shaft is, discussed. Hair follicle delivery systems are described, such as liposomes and viral vectors for gene therapy. The nature of the hair follicle stem cells is discussed, in particular, its pluripotency.

Protocol

A correction was made to: Targeted expression of GFP in the hair follicle using ex vivo viral transduction. A revised abstract was republished due to a publisher error. The correct abstract is:

There are many cell types in the hair follicle, including hair matrix cells which form the hair shaft and stem cells which can initiate the hair shaft during early anagen, the growth phase of the hair cycle, as well as pluripotent stem cells that play a role in hair follicle growth but have the potential to differentiate to non-follicle cells such as neurons. These properties of the hair follicle are discussed. The various cell types of the hair follicle are potential targets for gene therapy. Gene delivery system for the hair follicle using viral vectors or liposomes for gene targeting to the various cell types in the hair follicle and the results obtained are also discussed.

This replaced:

The hair follicle is a highly complex appendage of the skin containing a multiplicity of cell types. The follicle undergoes constant cycling through the life of the organism including growth and resorption with growth dependent on specific stem cells. The targeting of the follicle by genes and stem cells to change its properties, in particular, the nature of the hair shaft is, discussed. Hair follicle delivery systems are described, such as liposomes and viral vectors for gene therapy. The nature of the hair follicle stem cells is discussed, in particular, its pluripotency.

Disclosures

No conflicts of interest declared.

