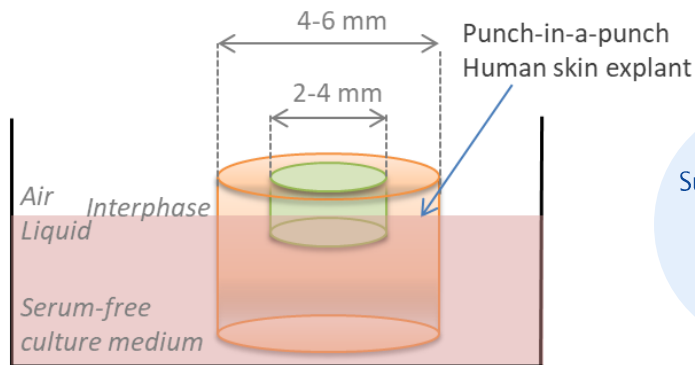


Investigating effects on wound-healing

Study example: Compound X promotes wound-healing *ex vivo*

Our method:
acute wound healing
model of human
full-thickness skin
ex vivo



Modified from Cheret et al, 2014

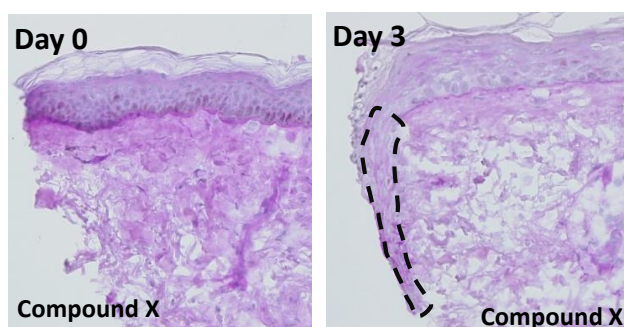
NEW! We also offer a
chronic wound healing
model that mimics
pathological
conditions

Substances can be
applied either
topically or
systemically

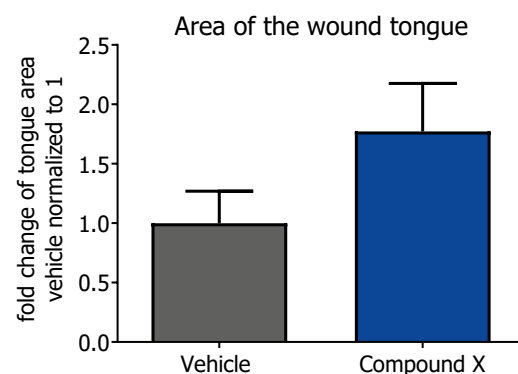
Read-outs:

keratinocytes
migration, re-
epithelialisation,
keratinocyte
proliferation and
apoptosis,
associated keratin,
angiogenesis,
immune cells,...

1. Compound X promotes re-epithelialization of the newly generated wound tongue

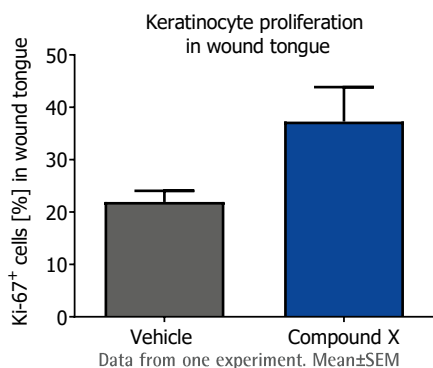


Haematoxylin & Eosin (H&E) histochemistry

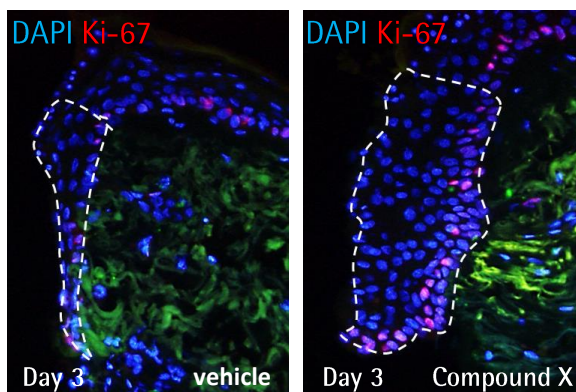


Data from one experiment. Mean±SEM

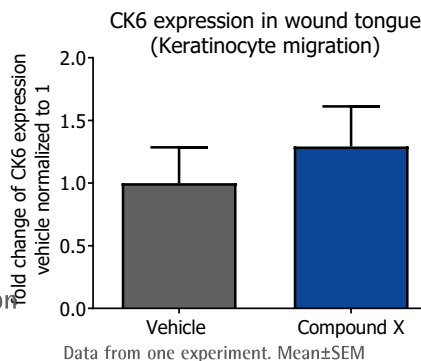
2. Compound X increases keratinocyte proliferation and migration in the newly generated wound tongue



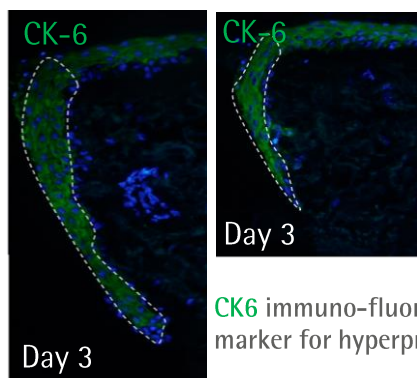
Data from one experiment. Mean±SEM



Ki-67 immuno-fluorescence



Data from one experiment. Mean±SEM



CK6 immuno-fluorescence
marker for hyperproliferation

Selection of
our publications
on the topic:

Post et al., Arch Dermatol Res 2021; Liao et al., Arch Dermatol Res 2019; Nasir et al., Wound Repair Regen 2018; Langan et al., Arch Dermatol Res. 2018; Tsai et al., Exp Dermatol 2017; Busse et al., J Invest Dermatol 2014; Meier et al., PLoS One 2013

Contact us for a
customized study:

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For more details see also our webpage:
www.monasteriumlab.com

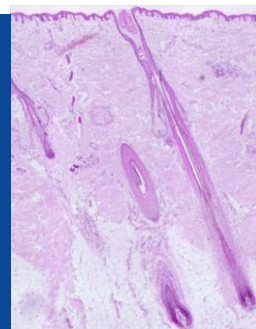


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