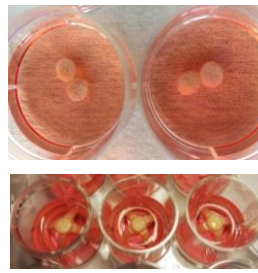
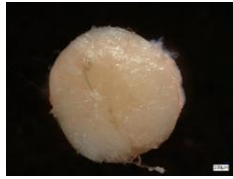


Analysing effects on barrier integrity *ex vivo*

Our
experimental
design



full-thickness
human skin



Ex vivo organ culture

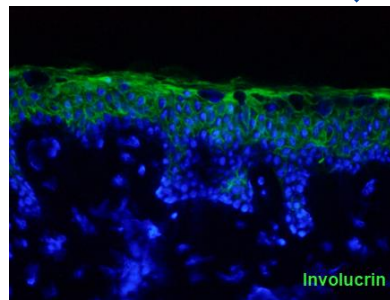


sample preparation

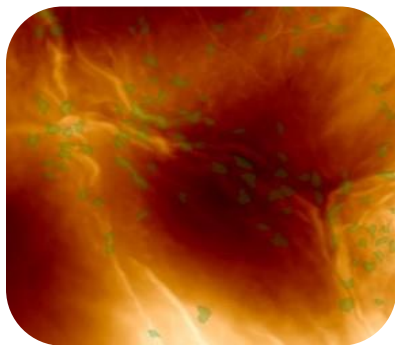
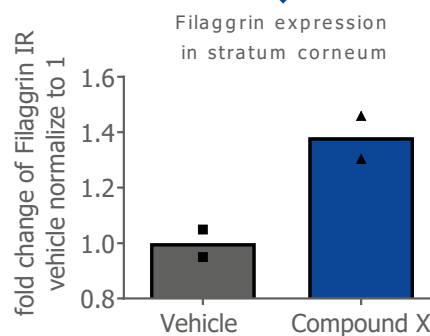
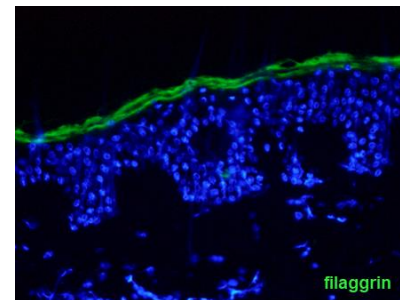


What we offer:

- human healthy skin from scalp or other body sites
- diseased skin (e.g. from psoriasis, atopic dermatitis,...)
- systemic or topical application mode
- induction of pathological conditions (e.g. UV radiation, oxidative stress, pollution,...)



immunohistomorphometry



In addition (NEW!):
corneocyte
nanotexture using
atomic force
microscopy

Read outs:

- barrier reinforcement
- protection against pollution
- epidermal keratinocyte differentiation
- expression of tight, and gap junctions
- expression of aquaporins

Publications:

Riethmüller et al., Exp Dermatol 2018; Hulshof et al., Br J Dermatol 2018; Soltanipoor et al., Contact Dermatitis 2018; Engebretsen et al., Br J Dermatol 2018

Contact us for a
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j.edelkamp@monasteriumlab.com
+ 49 (0)251 93263-080

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

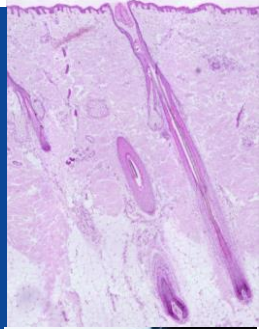


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