

Analyzing skin barrier integrity *ex vivo*

Our experimental design:



Application modes of your compound:

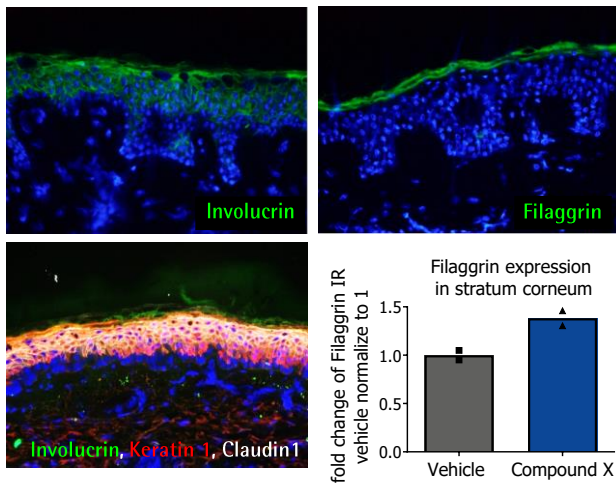
Topical
Systemic
Intradermal

Induction of
pathological conditions:

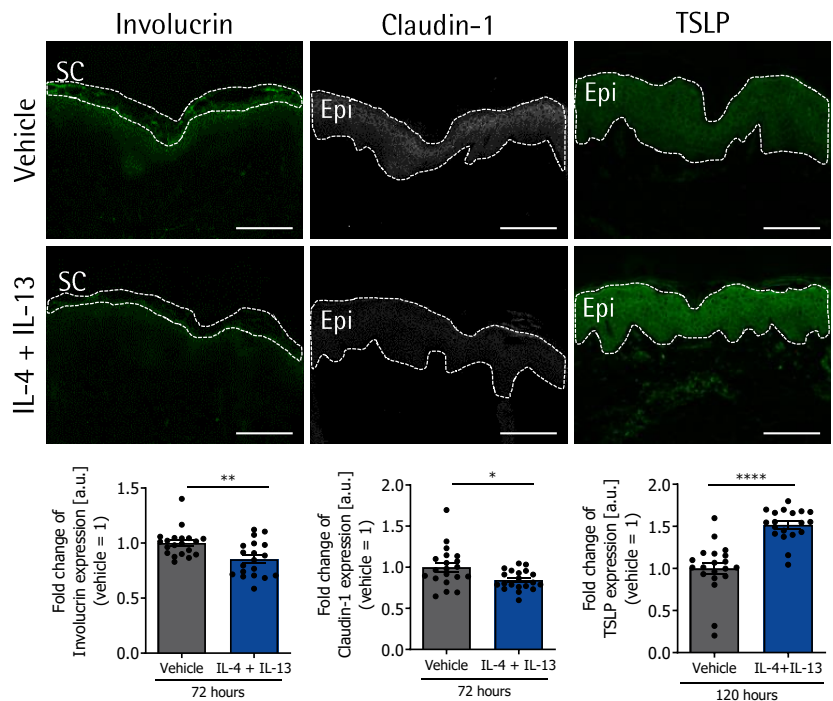
UV radiation, pollution, oxidative stress, ...

We have access to diseased skin samples (e.g. atopic dermatitis, psoriasis,...)

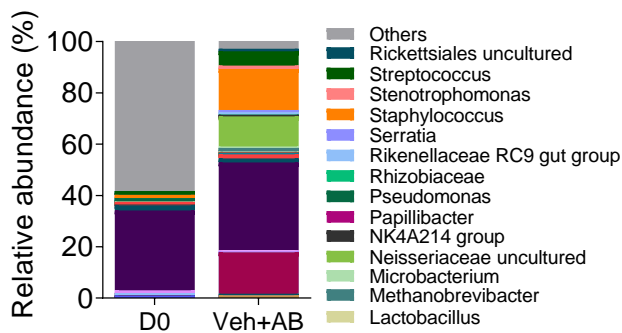
Quantitative immunohistomorphometry



Induction of barrier defects by IL-4/IL-13 treatment

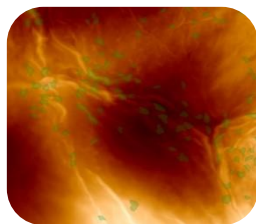


Microbiome analysis of the skin



→ 16s/ITS sequencing, shotgun sequencing, alpha diversity and taxonomic evaluations, ...

→ Analysis of corneocyte nanotexture using atomic force microscopy



Additional services from QIMA Life Sciences

Lipidomic analysis of lipid content and neosynthesis (e.g. ceramides)

www.qima-lifesciences.com

Contact us for a customized study:

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Publications:

Keren et al., Allergy 2023; 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

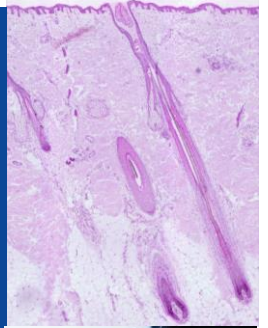


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