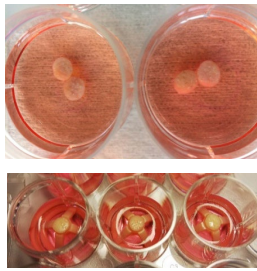


Analyzing skin barrier integrity *ex vivo*

Our experimental design:



Skin organ culture

full-thickness human skin

Application modes of your compound:

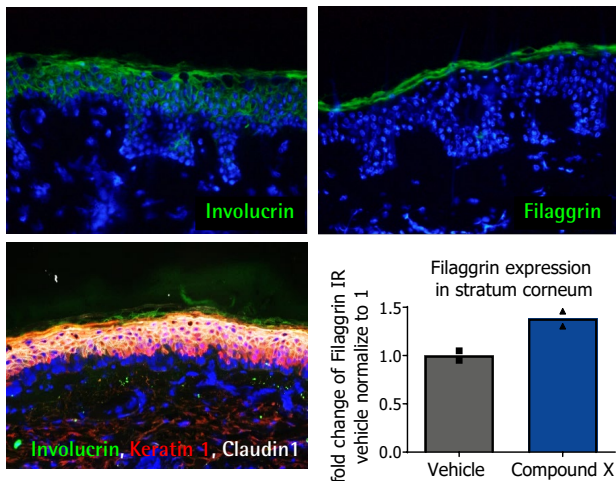
Topical
Systemic
Intradermal

Induction of
pathological conditions:

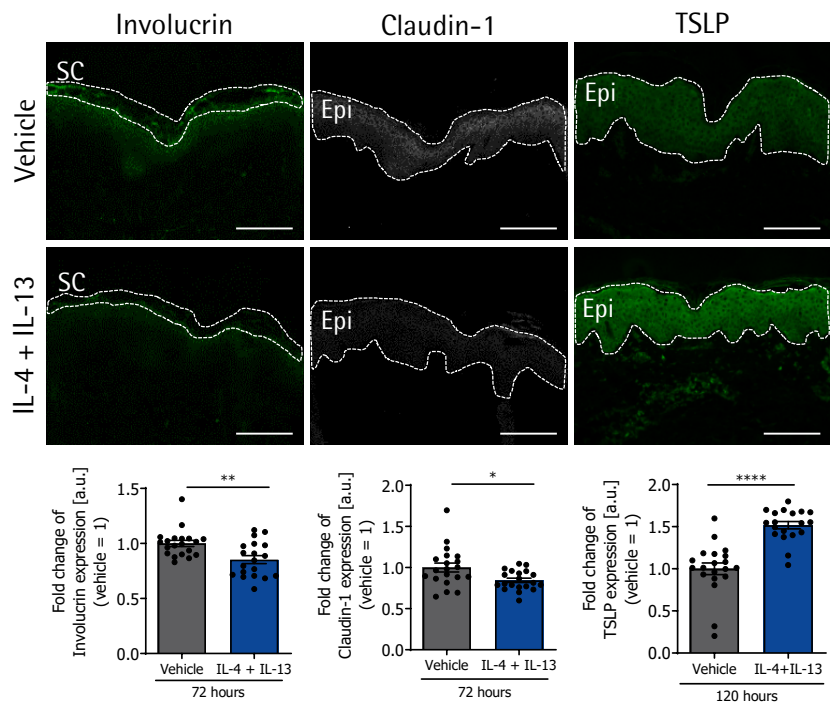
UV radiation, pollution, oxidative stress, ...

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

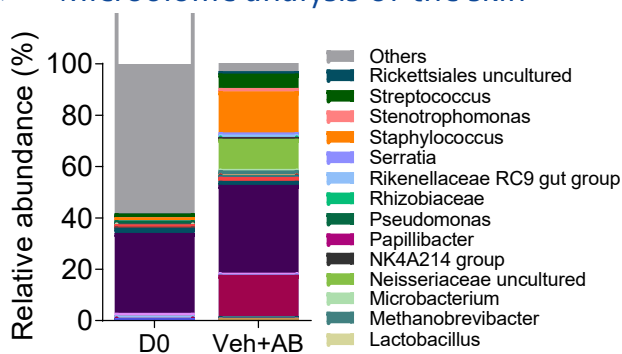
➤ Quantitative immunohistomorphometry



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

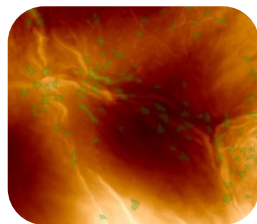


➤ Microbiome analysis of the skin



➔ 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:

CEO:
Dr. Marta Bertolini (PhD)
CSO:
Dr. Janin Edelkamp (PhD)

m.bertolini@monasteriumlab.com
j.edelkamp@monasteriumlab.com

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



MONASTERIUM
LABORATORY

A QIMA Life Sciences Company



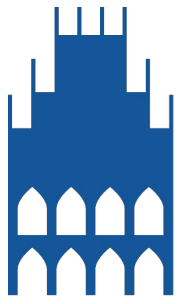
www.monasteriumlab.com



Monasterium Laboratory
Skin and Hair Research Solutions GmbH



+ 49 (0)251 93263-080

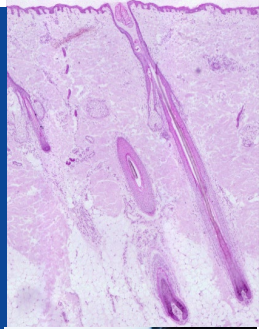


MONASTERIUM LABORATORY

A **QIMA** Life Sciences Company

All about
skin and hair
bioscience!

State-of-the-art technology and expertise
for all your pre-clinical, mechanistic, and
clinical needs in dermatology research.



- Pre-clinical Research
- Clinical Research
- Education



"We combine
our unique expertise,
our project design creativity,
and our passion to advance
our clients' success in
delivering novel and game-
changing skin and hair
research solutions"

President:
Prof. Dr. Ralf Paus

Your one-stop
source for all *in vitro*,
ex vivo and *in vivo*
testing plus additional
services.

Reasons why you should choose Monasterium Laboratory:

- Cutting edge methodologies and techniques
- Tailor-made & customized assays for all needs
- A focus on novel targets and therapeutics for skin & hair disorders: identify-characterize-validate
- Delivering mechanistic action stories, biomarkers & predictors of response
- Claims support for cosmetic ingredients in skin or hair follicle models
- Clinical trials carried out with strategic partners for healthy skin and hair benefits
- Comprehensive project reports & manuscript drafting and submission

Monasterium Laboratory

Skin & Hair Research Solutions GmbH
Mendelstr. 17, 48149 Münster, Germany

www.monasteriumlab.com

For enquiries, please contact:

CEO:
Dr. Marta Bertolini (PhD)
m.bertolini@monasteriumlab.com
+ 49 (0)251 93263-080