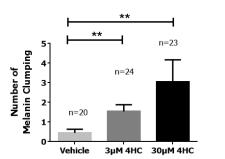
# Investigating effects on skin and hair cytotoxicity

### Study example: Compound X induces hair follicle cytotoxicity ex vivo

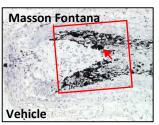
Our method: Human healthy microdissected full-length hair follicle *ex vivo* organ culture

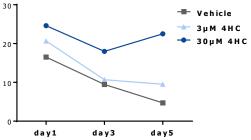
4-Hydroperoxy Cyclophosphamide (4HC): chemotherapy agent metabolite

A QIMA Life Sciences Company

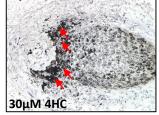


Pooled data from 3 independent experiments. Mean±SEM n=20-24HFs from 3 donors





Data from 1 experiment, Mean±SEM n=12 HFs from 1 donor



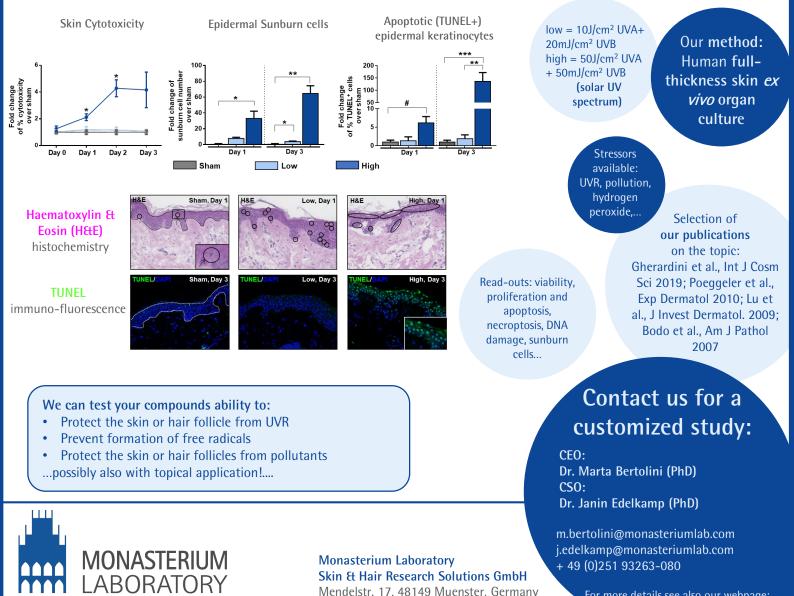
Masson Fontana: histochemical staining revealing melanin content Red marked area shows region of analyses, red arrows show melanin clumps

3µM 4HC

C ytoto x icity

%

## Study example: UVR exerts skin cytotoxicity and epidermal damage ex vivo



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



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- Clinical Research
- Education

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- 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

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

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