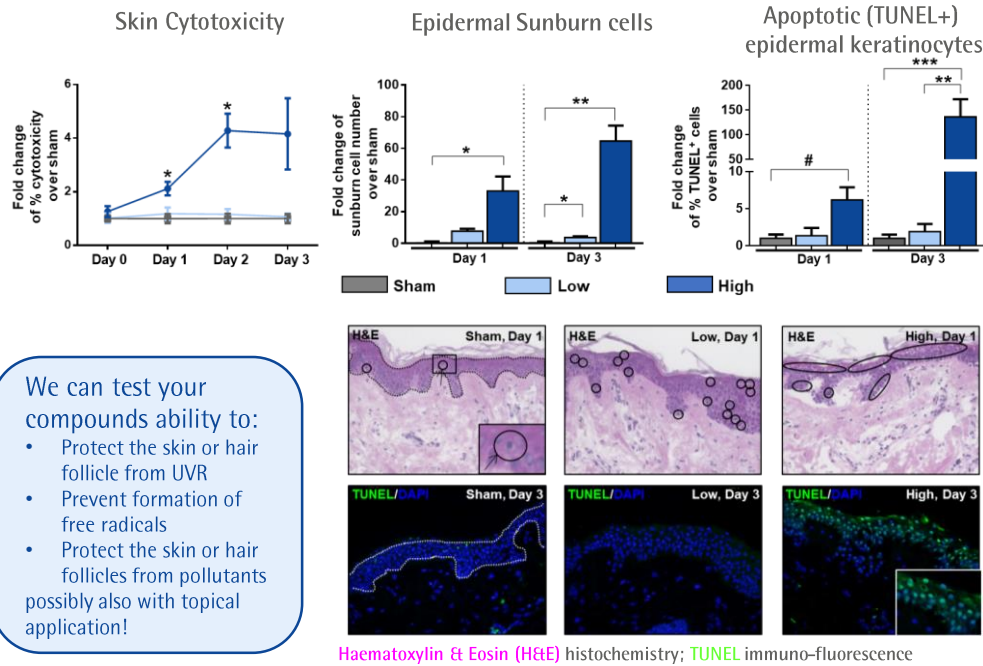


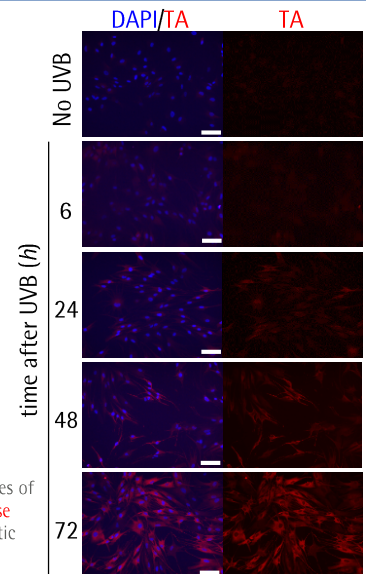
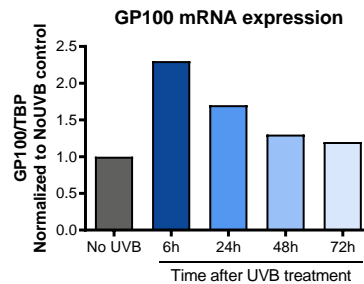
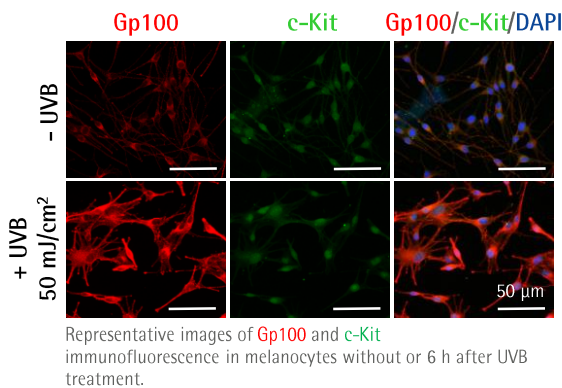
# Investigating the effect of UV irradiation on skin

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

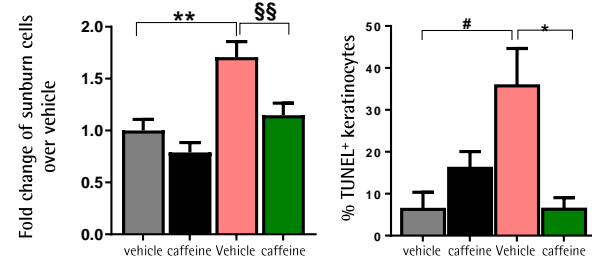


## Study example: UVR stimulates melanogenesis *in vitro*

UVB treatment of melanocytes increased the expression of the melanogenesis associated marker GP100 and the level of tyrosinase

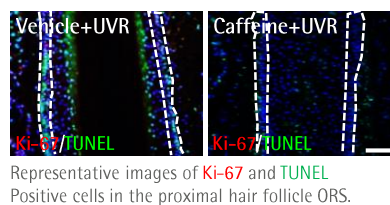


## Study example: Caffeine protects cells from UV damage *ex vivo*



Number of sunburn cells in the epidermis of vehicle or caffeine treated skin. Pooled data from 2 donors, mean±SEM, \*\*p<0.01, §§p<0.01.

Number of TUNEL+ keratinocytes in distal ORS of vehicle or caffeine treated HF. Pooled data from 2 donors, mean±SEM, \*p<0.05, #p<0.05.



**Contact us for a customized study:**

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[www.monasteriumlab.com](http://www.monasteriumlab.com)

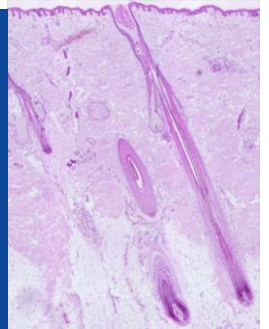


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