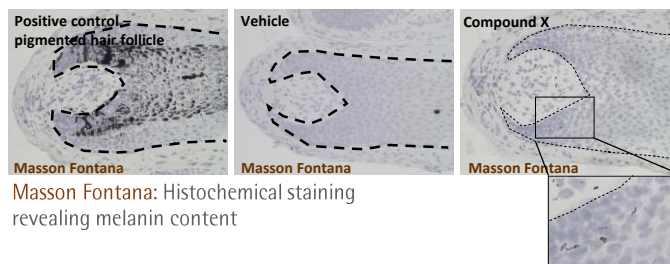
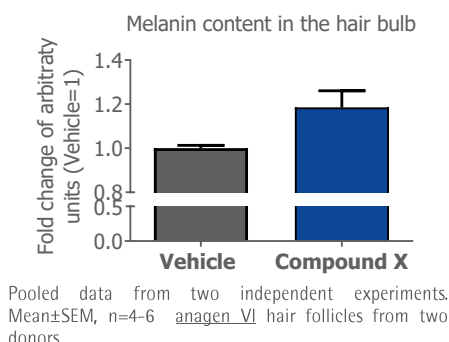


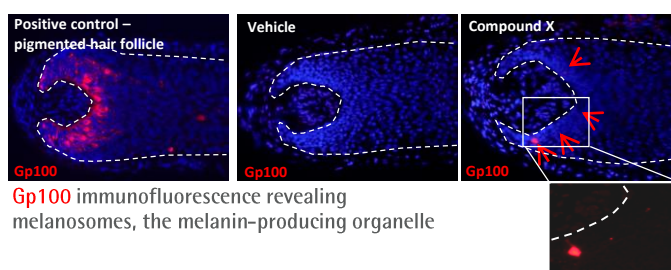
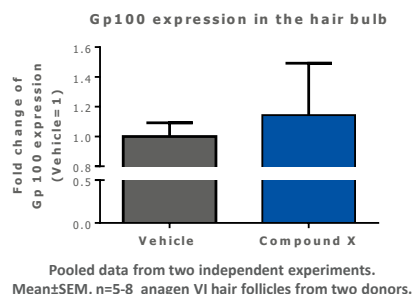
# Investigating the effect of a test compound on hair follicle pigmentation

Study example: Compound X stimulates pigmentation in gray hair follicles

## 1. Compound X stimulates melanin production

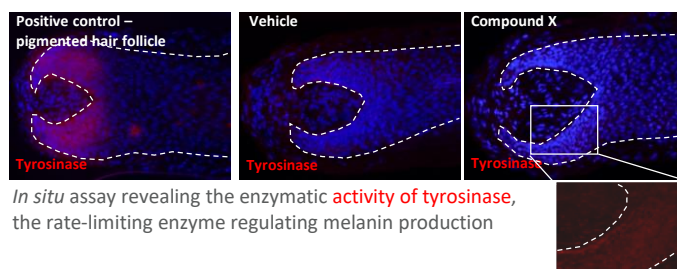
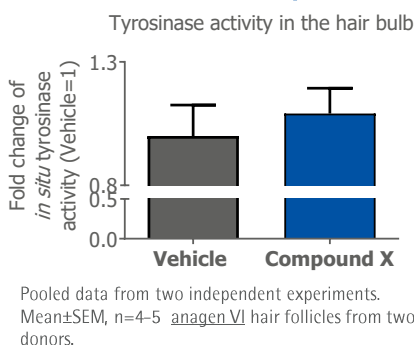


## 2. Compound X tendentially promotes the formation of new melanosomes



Selections of our publications on the topic:  
Chéret et al., Br J Dermatol. 2020; Hardmann et al., J Invest Dermatol 2015; Samuelov et al., J Invest Dermatol 2013; Gaspar et al., J Invest Dermatol 2011

## 3. Compound X tendentially increases the activity of tyrosinase



Read-outs:  
Hair Pigmentation,  
Melanocyte Maturation,  
Melanin Transfer,  
Activation Melanogenesis,  
Growth Factors regulating  
Pigmentation



Human microdissected amputated white hair follicles



Human microdissected amputated pigmented hair follicles

Our method: *Ex vivo* organ culture of human healthy microdissected pigmented or gray/white hair follicle (Langan et al., Exp Dermatol 2015; Kloepper et al., Exp. Dermatol 2010)

Contact us for a customized study:

CSO & Deputy General Manager:  
Dr. Marta Bertolini (PhD)  
Deputy CSO & Team Leader:  
Dr. Janin Edelkamp (PhD)

m.bertolini@monasteriumlab.com  
j.edelkamp@monasteriumlab.com  
+ 49 (0)251 93263-080

For more details see also our webpage:  
[www.monasteriumlab.com](http://www.monasteriumlab.com)

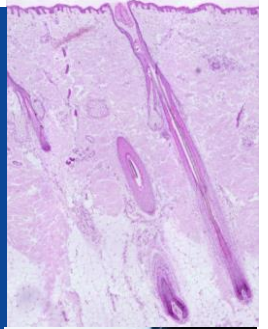


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#### Monasterium Laboratory

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

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#### For enquiries, please contact:

CSO & Deputy General Manager:  
Dr. Marta Bertolini (PhD)

[m.bertolini@monasteriumlab.com](mailto:m.bertolini@monasteriumlab.com)  
+ 49 (0)251 93263-080