# INNOVATIONS EXSYMOL 2019

Silanols as the skin biomechanics

Dark Sun protection

Sebum control

... And so much more !



EXSYMOL MONACO

### EXSYMOL 2019 😒 =

#### SILANOLS as the skin biomechanics

Untreated fibrobla	ast	+ Silanol
«Young» matrix	«Aged» matrix	+ Silanol
125 8 100	600 ***	
Attachement for (%) 6 40 control (%) 2 22 - 5 - 5 - 5 -	+25% كيل (100 المربع) كيل المربع الم	- - <b>***</b> -65%
0 Young fibroblast	Aged fibroblast	Aged + Silanol (0.008%)

The dermis' biomechanical properties are ensured by all interactions between skin cells (mostly fibroblasts) and structure elements (collagen fibers, elastin, GAG...) and define the skin's physical properties (elasticity, flexibility, resistance...).

Concept

Machanism

Silanols are capable of stimulating fibroblast (in red, top line) stretching capacities together with their ability to bind and organize collagen fibers (in gold, middle lane).

Within the extracellular matrix, silanols stimulate fibroblast activity as measured using atomic force microscopy. The skin will be denser, firmer and more elastic.

#### EPIDERMOSIL: reduction of sebum production

Mechanism Stress causes acne which in turn leads to stress. Stress in mediated by cortisol which has an impact on sebum production as it enhances sebocyte proliferation and differentiation.

> EPIDERMOSIL, a silanol with an organic silicium core combined with low molecular weight hyaluronic acid, is capable of reducing cortisol-induced sebum (in green) production in sebocytes and can therefore be used for the treatment of oily skin or acneic skin.





#### The clinical corner

The active

D.S.B.C for immediate and long lasting soothing

D.S.B. C is a silanol combined with salicylic acid that The active has immediate soothing and anti-inflammatory effect, and can restructure the skin.

- D.S.B. C's ability to mitigate the impact of a recurrent source of inflammation day after day was assessed by treating 30 people for 4 weeks.
- Volunteers reported that the inflammation caused Results by daily shaving was gradually reduced during the 28 days of treatment with D.S.B. C (5%).



CAPALGIN, an extract of Chondrus crispus naturally rich in citrullinyl-arginine and in taurine, has been clinically tested on 17 people for 3 months.

CAPALGIN is capable of increasing hair density (right) while increasing hair thickness (hair folicules, left).

The active

## EXSYMOL 2019





#### CORPORATE NEWS



Exsymol launches its new website with new exciting features such as an active finder for identifying the active you need in only two clicks.

Visit us on: www.exsymol.com

#### **New services**

Exsymol launches the C.I.S, a new service for providing our clients with customized developments and tests in order to personalize each of our active according to one's interest.



**New organisation** 

In order to best serve our customers, the Marketing and Communication Unit was created. Here are you main contact:



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**CSR** Rating

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