IV. Crossing epithelial barriers through 2016-2020

Epidermis
Biological and chemical threat

INFECTIONS
1
• CHX-NP
• Dermcidin-NP
IV. Crossing epithelial barriers through 2016-2020

Connective tissue
Infections/inflammation

1
INFECTIONS
• CHX-NP
• Dermcidin-NP

2
INFLAMMATION
• QT (CdTe)
• QT-PA

3
WOUND HEALING
• Mucoadhesif gel
• Thermoreversible gel
Nanochlorex®: Chlorhexidine nanocapsules in a thermoreversible hydrogel

Scanning electron microscopic pictures of (a) CHX-NC suspension, (b) freeze-dried CHX-NC (1%), and (c) photographic picture of freeze-dried CHX-NC (1%).
V. Understanding the strategy

Team 4: Skin function and dynamics

A new approach to describe the skin surface physical properties in vivo. 

Effects of physical and chemical treatments upon biophysical properties and micro-relief of human skin 

V. Understanding the strategy

Team 4: Skin function and dynamics


Effect of pressure upon skin barrier function
Application: « flash » anesthesia
V. Understanding the strategy

Team 5: Colloidal vectors and tissue transport

Nanotechnology platform: Polymeric nanoparticles; SLN – NLC; Quantum dots

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VI. NETWORK & TRAINING

European Epidermal Barrier Research Network

Cours Francophone de Biologie Cutanée
Master Sciences du Médicament