

Skin Microbiota Ecosystem, What Else?

What Bacteria for this Skin Living Layer?

100 trillions
of bacteria

500 bacteria
species

Skin Flora Diversity

micro-organisms, bacteria,
viruses, fungi, yeasts

Transient flora

saprophytic and pathogens
microorganisms

Staphylococcus aureus,
Escherichia coli,
Pseudomonas aeruginosa,
Bacillus species...

Resident flora

pathogenic and commensal
microorganisms

Proteobacteria, epidermidis,
S. hominis Propionibacterium,
Corynebacterium, Dermabacter,
Brevibacterium, Micrococcus,
P. aeruginosa, Pityrosporum,
Malassezia, Demodex...

A Precious Balance?

- Each person has their own skin flora composition,
- From the epidermis until the dermis,
- Lifelong qualitatively stable

Genetic Factors

Environment Causes

The life-style,
The diet,
The pollution...

Temperature

pH

Hormones

Proteins

Water

Lipids

A Crucial Role for the Skin Health?

Skin Homeostasis

Immune System

Barrier Function

Skin Dysfunction

Acne + Eczema +
Atopic dermatitis

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