

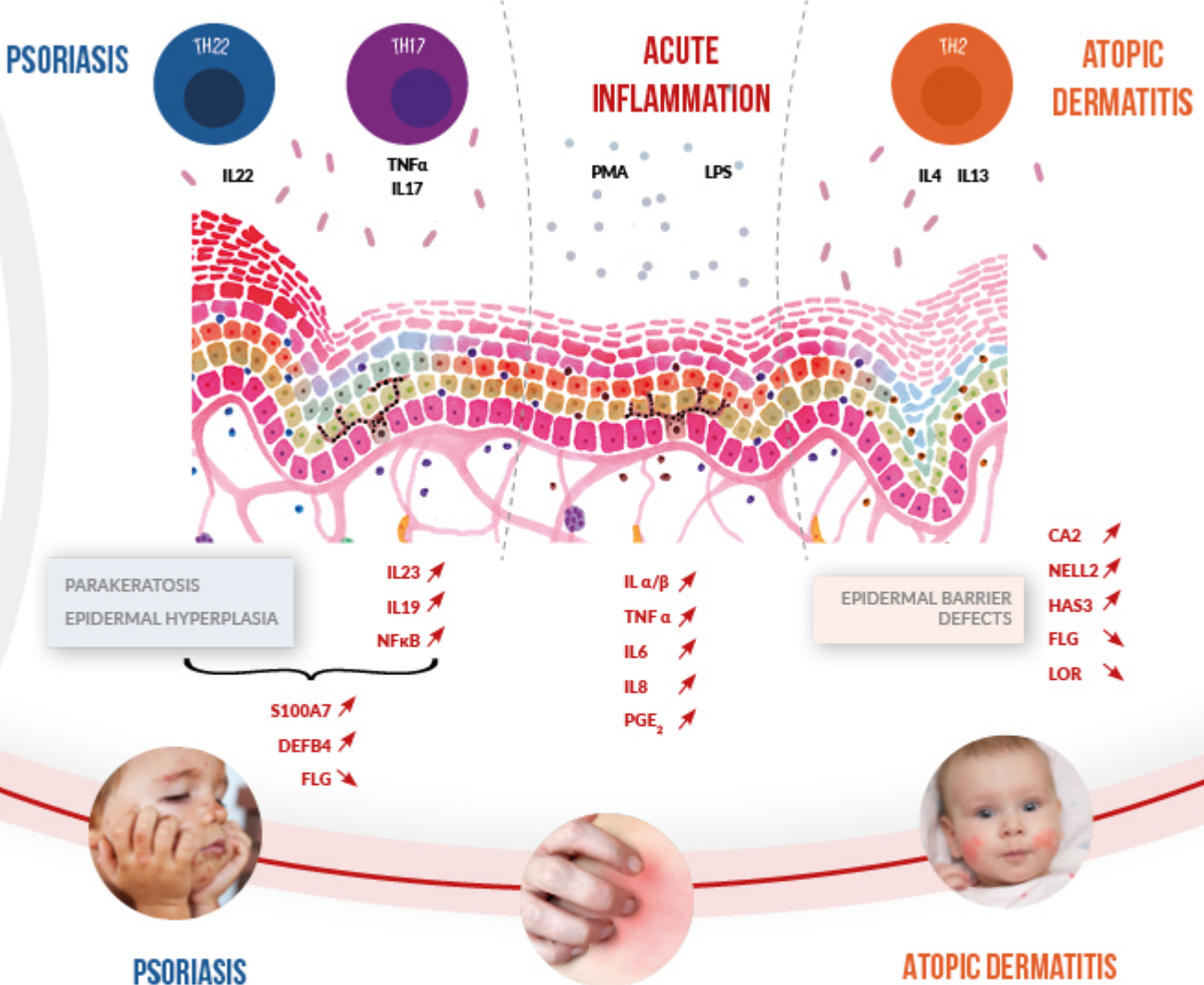


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TESTING & beyond

INFLAMMATION & ATOPIC SKIN

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Skin inflammation is a complex process that comes in many forms, from occasional rashes, itching and redness, to chronic conditions such as atopic eczema and psoriasis. StratiCELL has developed a series of *in vitro* 2D/3D models to study anti-inflammatory products or calming actives.



PSORIASIS

A T cell-mediated inflammatory disease in which the Th17 and Th22 responses play a major role.

STRATICELL HAS DEVELOPED 3D MODELS OF EPIDERMIS MIMICKING PSORIATIC FEATURES INDUCED RESPECTIVELY BY IL-17 AND IL-22.

- Hyperplasia
- Parakeratosis
- Psoriasis signatures (DEFB4, S100A7, IL-19, etc.)

ACUTE INFLAMMATION

A panel of assays to study protective effects of compounds against acute inflammation induced by specific triggers such as UV radiation, phorbol myristate acetate and bacterial lipopolysaccharides.

- Cytokines release (TNFα, IL-6, IL-8, PGE₂, etc.)
- NFκB translocation

ATOPIC DERMATITIS

A skin disorder involving a Th2 cell-mediated inflammatory response associated with barrier defects.

THE RHE-AD MODEL FROM STRATICELL PRESENTS THE TYPICAL FEATURES OF THE PATHOLOGY INDUCED BY IL-4, IL-13 AND IL-25.

- Spongiosis
- Barrier function
- Atopic dermatitis signatures (FLG, LOR, CA2, NELL2, HAS3, etc.)

StratiCELL has designed a TaqMan Low Density Array to study simultaneously 96 genes involved in this particular skin disorder.

Feel free to contact us to set up testing strategies and discuss customised assays.



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