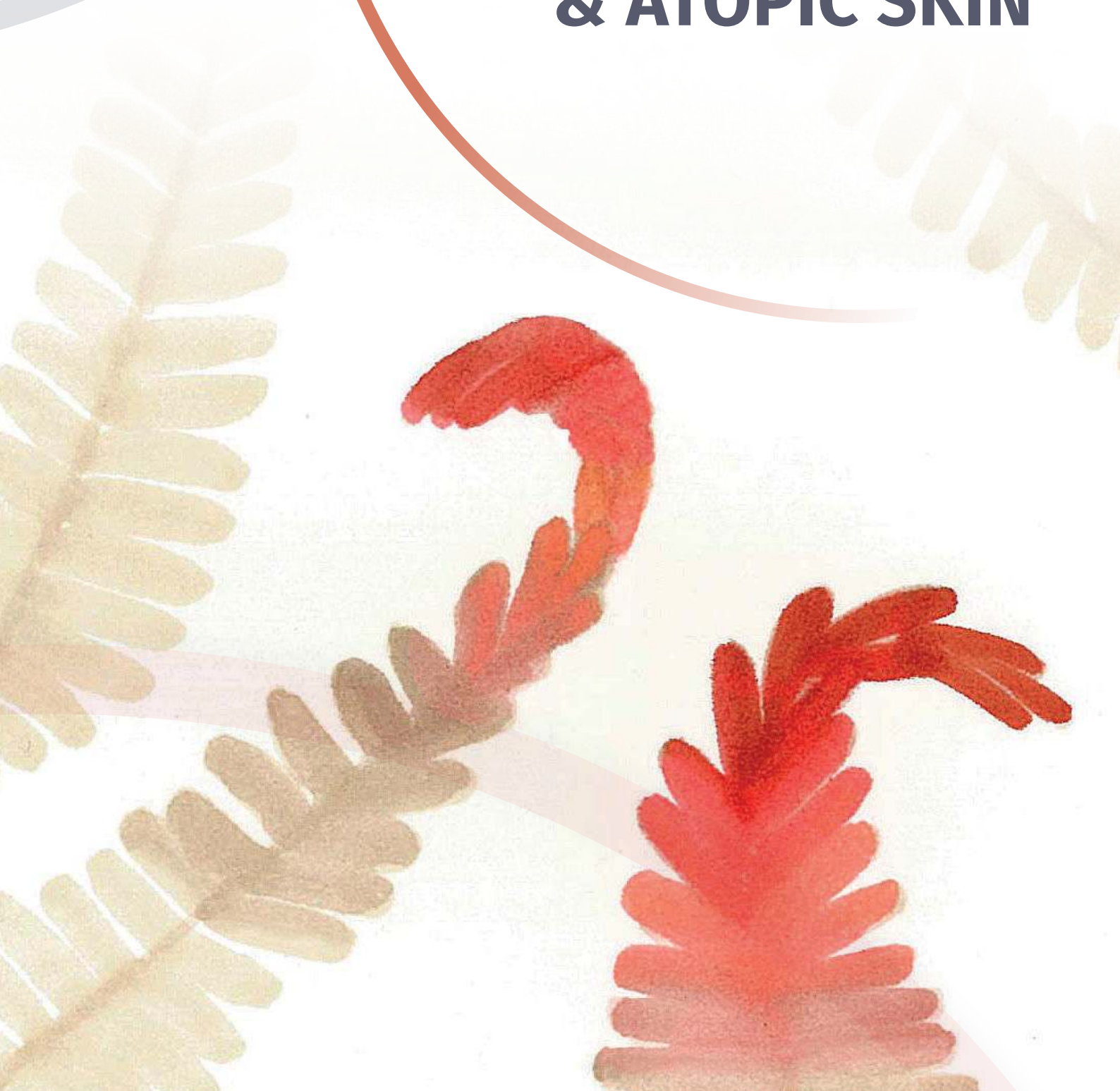




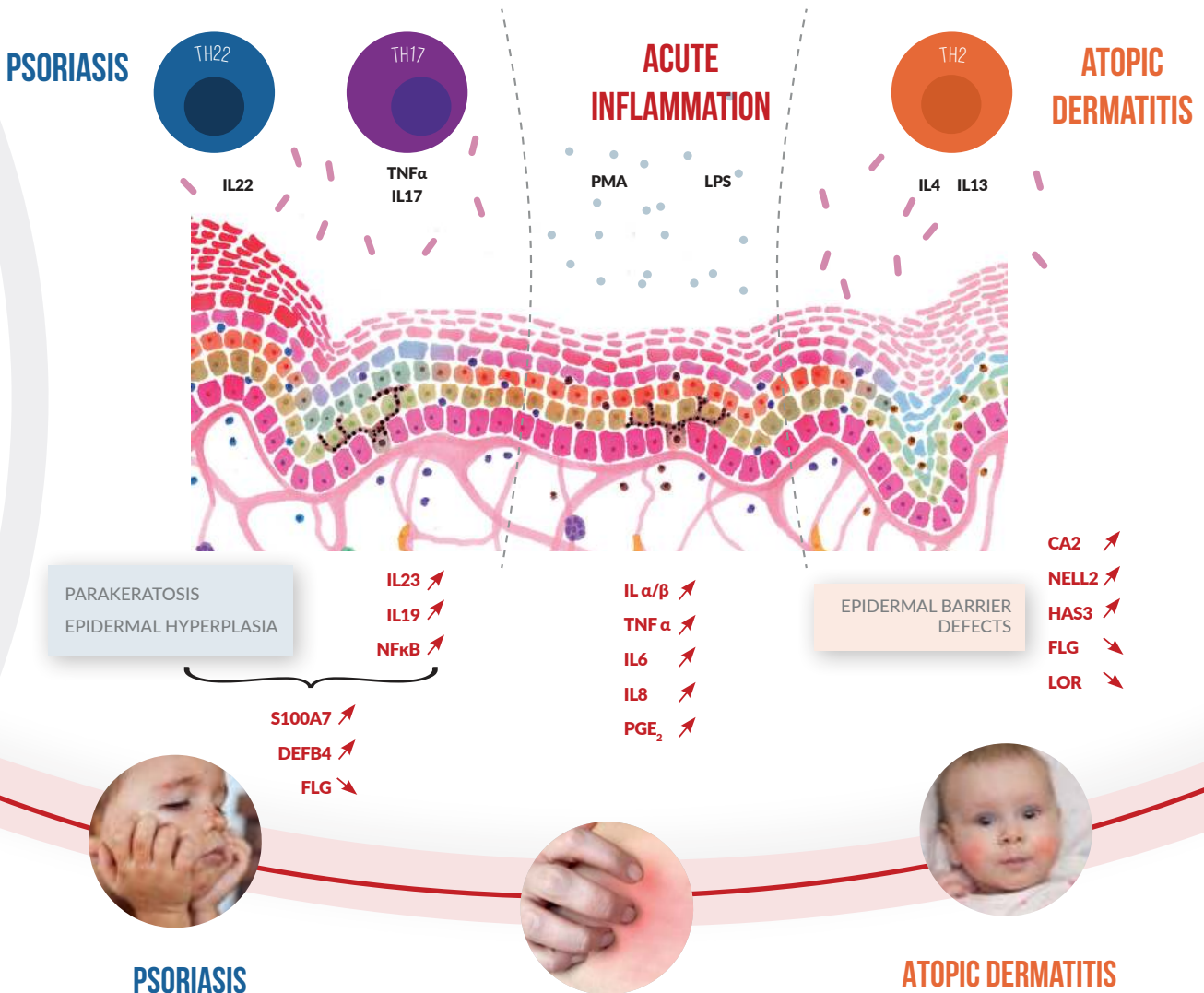
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TESTING & beyond

INFLAMMATION & ATOPIC SKIN



INFLAMMATION & ATOPIC SKIN

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.



Crealy Science Park
Rue Jean Sonet 10
B-5032 Isnes - BELGIUM

✉ info@StratiCELL.com
☎ +32 (0)81 72 85 82

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