

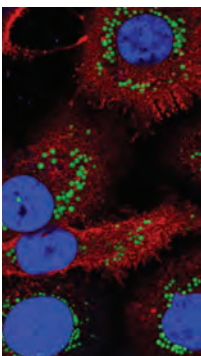
You are looking for validated or innovative efficacy assays to support your preclinical research in dermatology. You wish to characterize your active ingredients or demonstrate the efficacy of your formulations.

With a strong knowledge and expertise in skin physiology and skin disorders, the QIMA Life Sciences team will support you in designing your projects, meeting your objectives and bringing value to your products:

- Screening of bioactive compounds
- Mechanism of action and proof-of-concept studies
- Evaluation of biosimilars
- Repositioning & benchmarking studies

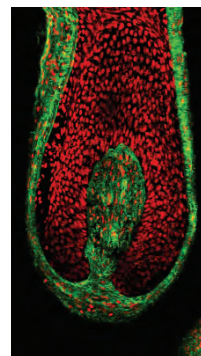


Preclinical research in dermatology *in vitro* and *ex vivo* models and assays:



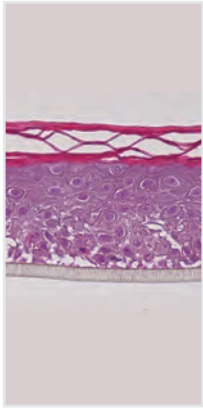
ACNE

- Sebaceous gland regulation and hyperseborrhea
- Androgen metabolism
- Abnormal epidermal differentiation
- Lipid peroxidation
- Inflammatory, lesional or microbial response
- Infection, immune system and skin defenses



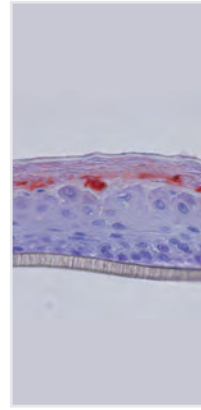
HAIR GROWTH & ALOPECIA

- Cell viability
- Hair growth and hair shaft diameter
- Androgen metabolism
- Inflammatory response
- Hair-related marker expression



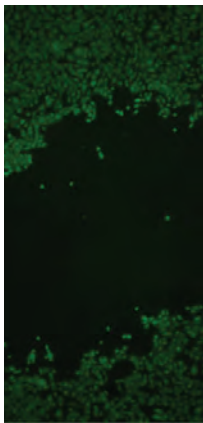
ATOPIC DERMATITIS

- Skin sensitization
- Immune response (Th2/Th22)
- Induction in keratinocytes (or reconstructed epidermis) of an atopic dermatitis-like profile by cytokines
- Production of chemokines, antimicrobial peptides and expression of epidermal differentiation markers



PSORIASIS

- Immune response (Th17/Th22)
- Induction in keratinocytes (or reconstructed epidermis) of a psoriasis-like profile by cytokines
- Production of chemokines, antimicrobial peptides and expression of epidermal differentiation markers



WOUND HEALING & SKIN REGENERATION

- Inflammatory response and innate immunity
- Reepithelialization
- Neovascularization and neuritogenesis
- ECM synthesis, fibrosis
- Dermal remodeling and epidermal differentiation
- Pigmentation



MODELS & ASSAYS UNDER DEVELOPMENT

- MELANOMA -
- VITILIGO -

MORE THAN 500 ONLINE ASSAYS

www.qima-lifesciences.com

OTHER SERVICES:

- Cell and tissue engineering
- Histological and immunohistochemical analysis
- Transcriptome analysis
- Development and validation of *in vitro* cell-based assays

CONTACT US!

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Your Partner in Innovation

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