

Innovations in Senescence and Cellular Energetics for Optimizing Skin Health

No7 Beauty Company, a subsidiary of **Walgreens Boots Alliance**, is seeking partnerships in **skin health**, with a focus on advancing methods to monitor **senescence**, **energetic state**, and **epigenetics**.



Approaches of Interest:

- Key areas of interest in **energetic state** include: (i) mitochondrial aging and its impact on skin cell performance; (ii) approaches to treating mitochondrial dysfunction; (iii) assessment of key markers like NADH; (iv) establishing a causal link between cellular energy production and skin performance, such as extracellular matrix production
- Key areas of interest in **senescence** include: (i) methods to classify cells as senescent or healthy across *in vitro*, *ex vivo*, and *in vivo* models; (ii) research into senescence triggers and tissue progression; (iii) the impact of senescent cells on surrounding healthy cells; (iv) technologies for senescence prevention, including senolytics and senomorphics
- Key areas of interest for **epigenetics** include: (i) research into the epigenetic changes in skin which drive ageing and the associated phenotypic changes; (ii) development of skin specific epigenetic clocks that identify methylation changes relating to environmental exposures in particular UV
- **In vivo diagnostics** that can provide senescence, epigenetic or cellular energetic profiles for intervention recommendations or product benefit demonstration
- Active ingredients (e.g., small molecules and peptides), adjunctive therapies (e.g., devices and penetration enhancers) and diagnostic services are of interest
- All stages of development are of interest from **basic research to registration**
- Research **must include *in vitro* and/or *ex vivo* human tissue data** (*in vivo* preferred) showing efficacy vs. industry benchmarks (e.g., Retinol, Vitamin C, Niacinamide), with a clear mechanism of action tied to visible, consumer-relevant skin benefits; projects should be in or moving toward human cell models

Out of Scope:







- Drug repurposing, class III medical devices, late-stage commercial products, and fully developed formulations
- Research supported by animal model data only

Submission Information and Opportunity for Collaboration

Submission of one-page, 200–300-word briefs is encouraged, along with any optional supplementary information e.g. relevant publications. No7 Beauty Company is also open to novel research proposals which can be outlined using this [submission form](#). In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Our client is open to a range of collaboration opportunities, with a primary focus on the United States. The most appropriate outcome will be determined on a case-by-case basis, potentially including licensing assets, project/PhD funding, and research collaborations.

Opportunities sought

-  Technologies
-  Academics and expertise
-  Centres of excellence
-  Research projects
-  Spinout companies
-  Biotech assets

Submissions

Please submit relevant, non-confidential opportunities to **Karla Schramm** at kschramm@usf.edu

Deadline: **11th July 2025 - 4:59 pm GMT**

Have any questions?

Contact **Karla Schramm** at kschramm@usf.edu



Walgreens Boots Alliance

No7 Beauty Company has been pioneering beauty and skincare innovation since 1935. By combining scientific expertise with a rich beauty heritage, they create affordable, trusted products that empower consumers to experience and enjoy skincare on their own terms.

