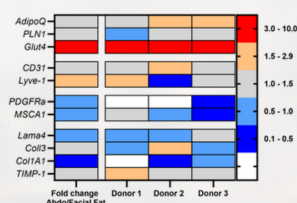# FIBRO-INFLAMMATORY TISSUE MODELS

Unique *ex vivo* human tissue models to evaluate the impact of cosmetic ingredients on inflammation and fibrosis—two key processes in skin aging, firmness loss, and cellulite


INFLAMM'AGING

- Markers linked to cellular senescence and inflammation
- Extra-cellular matrix firmness (collagen, elastin)
- Differences face vs body sites
- Anti-aging, firming and smoothing activities
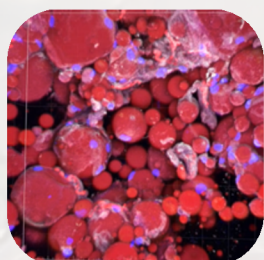
CELLULITE

- Fibrosis markers (laminin fibers compaction, collagen)
- Progenitors differentiation and matrix remodeling
- 3 types of cellulite (aqueous, fibrous, adipose)
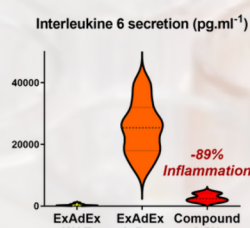
ACUTE & CHRONIC STRESS

- Short (acute) and long-term (chronic) inflammation
- Tissue remodeling and cytokine secretion
- Anti-inflammatory and repairing activities
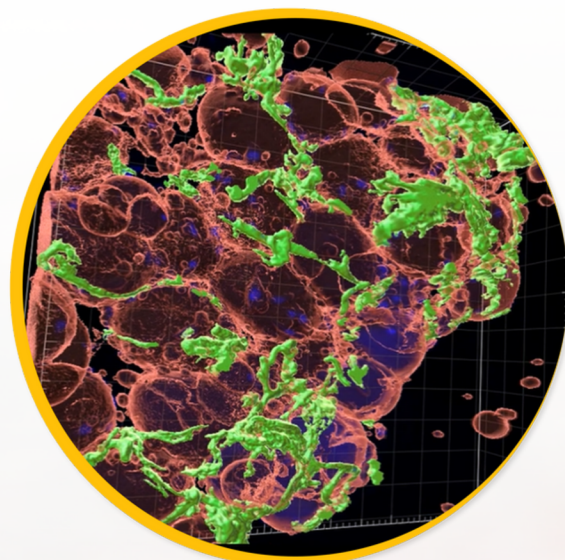
A VERSATILE EX VIVO HUMAN MODEL

Readouts & datasets:

- **Multi-parametric Analysis**: secretome and transcriptome profiling, 3D/4D imaging
- **Functional Assays**: cytokine secretion, matrix proteins remodeling
- **Model Adaptability**: donor diversity, long-term culture, body-site specificity
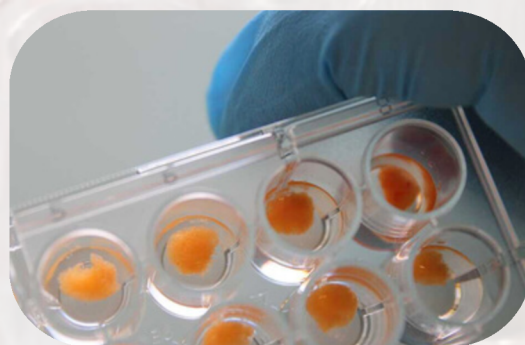
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