

The background features a stylized illustration of a plant cross-section. A magnifying glass effect is shown, with a dark blue lens and a grey frame, focusing on a specific area of the plant. The plant's internal structure is depicted with various shades of green and grey, showing layers of cells and vascular bundles. At the bottom, a layer of red, rectangular cells is visible, with a small cluster of blue, textured cells highlighted within it.

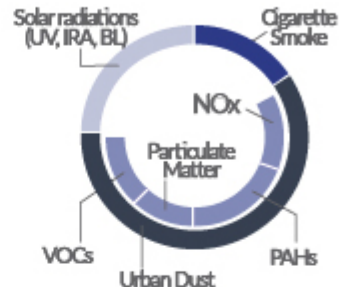
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TESTING & beyond

POLLUTION & ENVIRONMENTAL STRESS

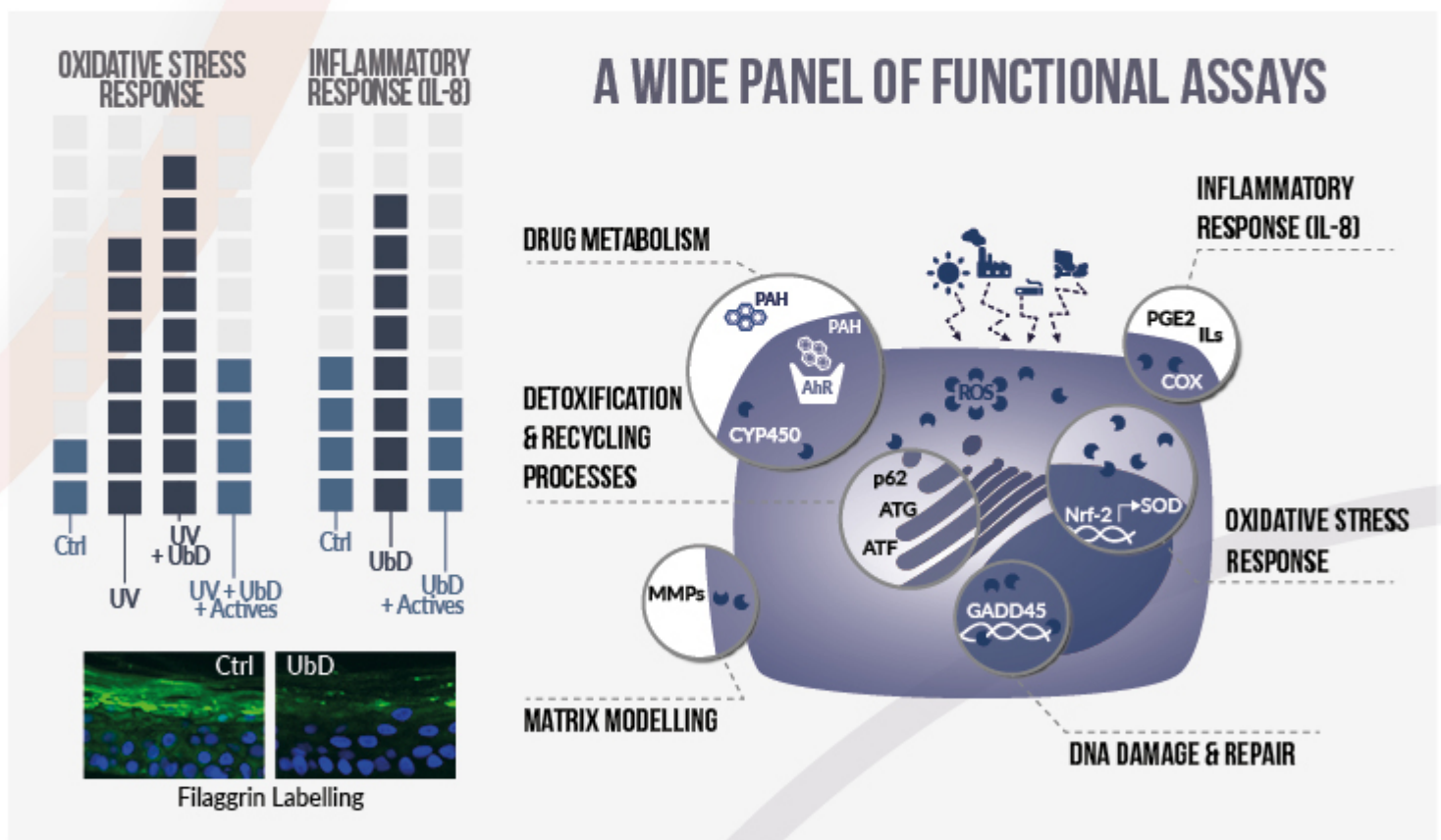
POLLUTION

Skin is the first barrier against external aggressions, and is therefore the first target of many environmental stressors including solar radiations (UV, IRA and blue light) and air pollution with a strong correlation with skin ageing, inflammation and allergic reactions.

Most people are mainly confronted with urban pollution. More precisely, urban dust (UbD) is a complex and heterogeneous mixture of pollutants including Nitrogen Oxides (NOx), Polycyclic Aromatic Hydrocarbons (PAHs), particulate matter and Volatile Organic Compounds (VOCs).



StratiCELL has a strong scientific expertise in this field and developed standardized and flexible *in vitro* assays evaluating the "anti-pollution" effect of products by using urban dust, cigarette smoke or individual pollutants.



Combining genomic studies with related functional assays, **StratiCELL** offers an integrated approach to investigate the capabilities of cosmetic actives to protect against pollution but also, UV, infrared A and blue light.

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



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