

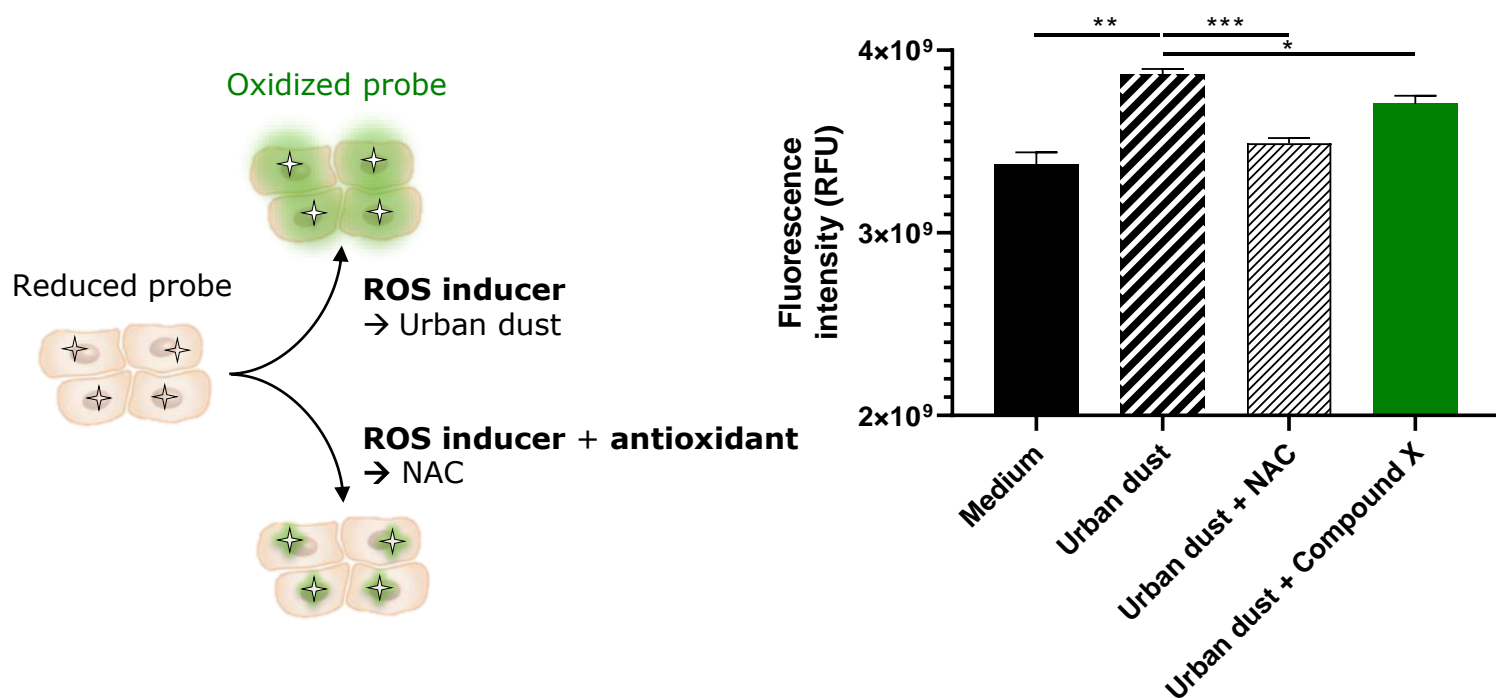
IMAGING PLATFORM FOR DERMO-COSMETOLOGY ASSESSMENT

POLLUTION ASSESSMENT

Directly in contact with the external environment, the skin is extremely exposed to pollution and doesn't have necessary means to neutralize it. HCS Pharma has developed a test to assess actives efficacy against it.

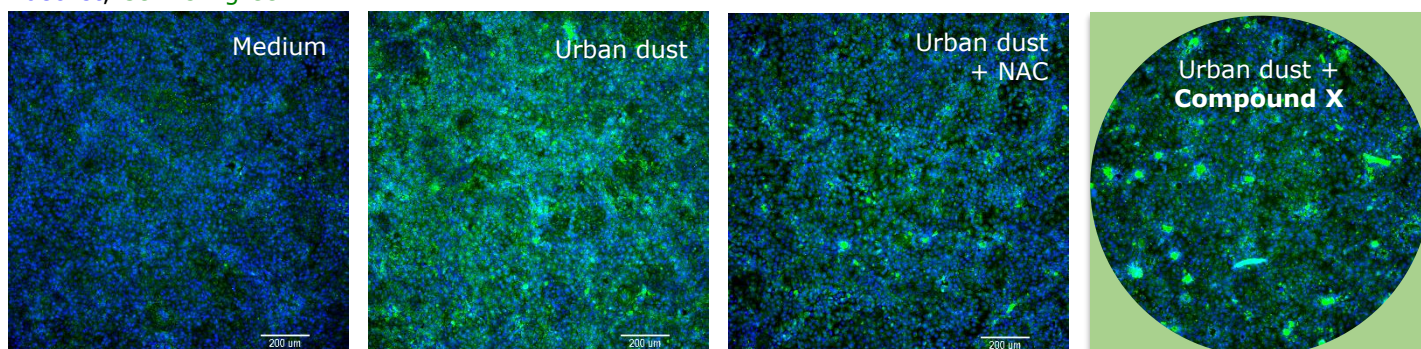
Polluting particles are potent oxidants able to generate **reactive oxygen species (ROS)**. **Increased production** of those **free radicals** without proper effective action of endogenous and exogenous antioxidant systems generates a condition of **oxidative stress**.

➤ *In vitro* ROS Assessment



t.test (* p-value < 0.05 ; ** p-value < 0.01 ; *** p-value < 0.001)

Hoechst, CellROX green



Endpoint : HaCaT intracellular ROS production.