



RESEARCH SEMINAR SERIES – REMOTE

The Center for Dermal Research Welcomes

Elodie Gras Lavigne, Neuron Experts, Neurodermatology Department

“Understand and analyze the role of sensory neurons in maintaining our skin's health and well-being”

Monday, April 3, 2023 at 5:30pm EST remote



Elodie Gras Lavigne: After obtaining an engineering degree in biology, Elodie joined the dermatological industry where she specialized in the study of the interactions between the sensory system and the skin. For more than 10 years Elodie have been directing the neurodermatology department of Neuron Experts, where she develops cellular models integrating mature human sensory neurons to give industrialists in the field of cosmetics and dermatology the possibility of testing the effect of molecules/ingredients on the close relationship between the sensory system and skin cells.

Abstract: Skin is at the interface between body and its environment and its role in preventing body from air dry, pathogen invasion is well known but skin is also the organ which allows individuals to react to their environment (temperature, pressure, cosmetics, pollution...) and to inform brain about skin physiology (injuries, pathologies, pain...).

This complex sensing process is due to the presence of sensory neurons extension innervating the different skin layers including epidermis. No change can take place without the neurons being activated. Sensory neurons are not only passive transmitters of skin physiology and perception, but they also are active players in a large panel of biological phenomenon such as wound healing, inflammation, scratch. Their role at the interface between the skin and the brain makes them an ideal target to improve both the physiology of the skin and the feeling of the person thus sensory system becomes a new opportunity to reach the ultimate goal: improve well-being.

After a general overview of the anatomy and functioning of sensory neurons that will help understanding their essential and unavoidable role in improving the comfort and integrity of the skin this webinar will present the in-vitro methods that allow to objectively measure the impact of cosmetic products on the skin/neuron dialogue.

CONFERENCE LINK:

Meeting link: <https://rutgers.webex.com/rutgers/j.php?MTID=ma9179cae00e6cfa94c56bec8efb85e8b>

Link is also available on our website: <https://sites.rutgers.edu/centerfordermalresearch/>

under the Events menu.

