Discovery Science
Emerging Scholars Lecture

"A Central Role for Metabolism in the Skin: Two Tales of How Adipocytes Can Impact Aging and Healing"

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Metabolic regulation of tissue homeostasis is one of the most intriguing yet unexplored areas in skin biology. The skin consists of many different tissues and cell types that communicate in a regulated and timely manner to maintain organ homeostasis. As we age, this homeostasis is lost, and with it, the plethora of metabolic reactions that comprise normal homeostasis shift their balance, being perturbed or disrupted. Adipocytes are one of the key players in skin homeostasis regulation. They undergo drastic alterations during the processes of aging and wound healing. In this seminar, I will discuss how these cells are important for whole-body thermal homeostasis and metabolic fitness under conditions of limited energy intake. I will also address how these cells act as metabolic coordinators of immune cell function in the process of wound healing and how aging impacts these processes.

Thursday
October 14, 2021
9:30 am CT
208 Light Hall

Live Stream!

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