

Monday August 5 , 2019- 10h00

Conference room AI 1153 (*)- EPFL - Lausanne

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“Studying functional significance of bone marrow adiposity in metabolic diseases”

Host: Prof. Johan Auwerx

Abstract:

Bone fragility and fracture risk are overlooked complications affecting the quality of life in patients with metabolic diseases and they are often associated with higher accumulation of bone marrow adipose tissue (BMAT). BMAT originate from the bone marrow skeletal (also know as stromal or mesenchymal) stem cells present in the bone marrow stroma and give rise, in addition to adipocytes, to osteoblast participating in bone formation. Opposite to peripheral adipose tissue there is limited information on a physiological role of BMAT in relation to bone and whole body energy metabolism. In this talk I will review our current findings on metabolic changes in BMAT phenotype and its effect on bone marrow microenvironment and stem cell properties.

(*) IMPORTANT NOTICE: All external participants have to pass through SV Reception/Welcome Desk to be able to access to AI 3142.

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