



Institute of
Cellular Medicine

PI Seminar Series

Speaker: Sandrine Henri Centre d'Immunologie Marseille Luminy (CIML)
Venue: Dental Lecture Theatre F
Date: Wednesday 14th March 2018
Time: 2.00 – 3.00pm

Sandrine Henri will present:

“Disentangling the myeloid cell complexity in the skin to unravel cutaneous specific immune function”

Abstract

The skin is a major barrier protecting the body from microbial invasion and dendritic cells (DCs) and macrophages are key players of the immune system in the skin. DCs sample the micro-environment and then initiate and guide T cell responses towards immunity or tolerance whereas macrophages contribute to tissue homeostasis. Lately, we contributed to the identification of several monocyte, macrophage and DC subsets in the skin. We showed the potency of dermal XCR1⁺ cDC1 subset for cross-presentation and demonstrated that a vaccine strategy targeting dermal XCR1⁺ DCs induced potent antitumor responses. Moreover, using a novel mouse-model to deplete macrophages allowed us to assess their dynamics *in vivo* and to show how cycles of pigment capture-release-recapture account for long-term tattoo persistence.

Chair: Professor Muzz Haniffa