

Supporting Information

Incorporation of Resident Macrophages in Engineered Tissues: Multiple Cell Type Response to Phenotype Controlled Macrophage-laden Gelatin Hydrogels

DOLLINGER Camille¹, CIFTCI Sait^{2,3}, KNOPF-MARQUES Helena^{3,4}, Guner Rabia³,
GHAEMMAGHAMI Amir M. ⁵, DEBRY Christian², BARTHES Julien¹, VRANA Nihal
Engin^{1,2*}

¹ Protip Medical, 67000, Strasbourg, France.

² Hôpitaux Universitaires de Strasbourg, Service Oto-Rhino-Laryngologie,

67098 Strasbourg, France

³ INSERM UMR 1121, Strasbourg, France.

⁴ Faculté de Chirurgie Dentaire, Université de Strasbourg, Strasbourg, France.

⁵ University of Nottingham, Faculty of Medicine, Nottingham NG7 2UH, UK

*Corresponding author: e.vrana@protipmedical.com

Figure S1

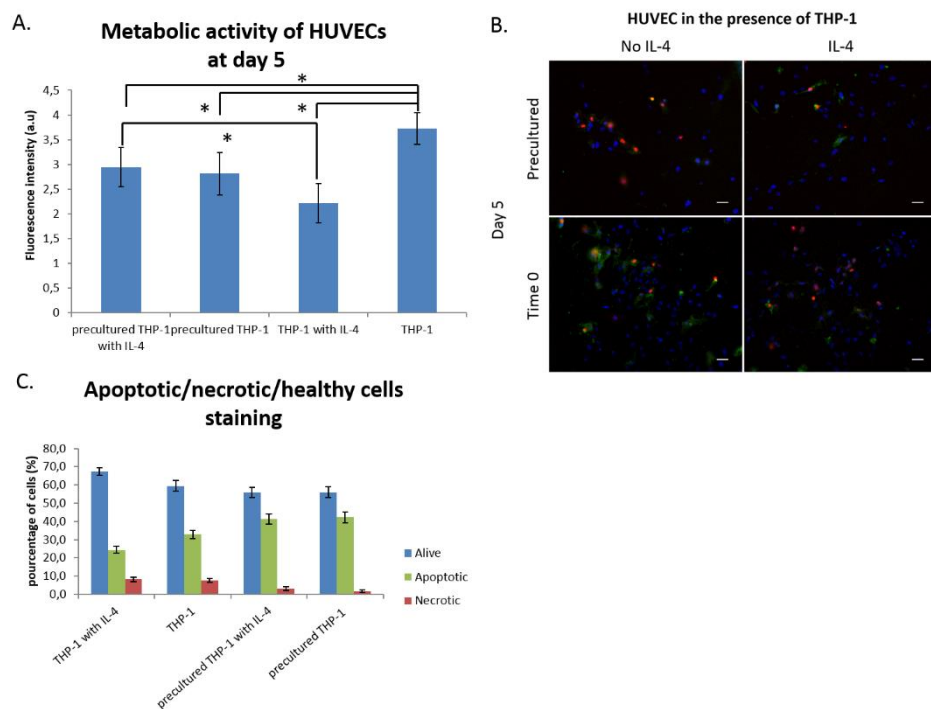


Figure S1. A) Metabolic activity of HUVECs in the Transwell co-culture system after five days of culture (set C). B) Apoptotic (green)/Necrotic (red)/Live (blue) stainings of HUVECs on Transwell after three days of culture in the presence of THP-1 cells (set C). C) Quantification of HUVECs viability after three days of culture using Apoptotic/Necrotic/Healthy cells kit (set C). Scale bar = 50 μ m.

Figure S2

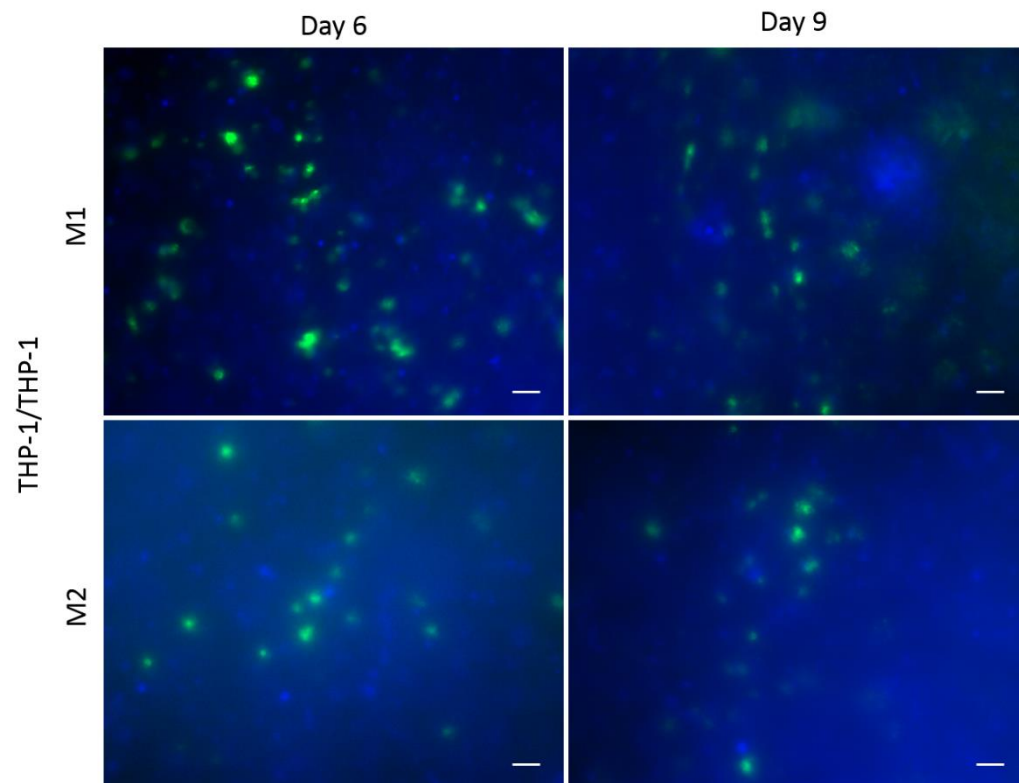


Figure S2. Epifluorescence pictures (10x) at day 6 and 9 of culture showing the interaction between pre-labelled (calcein green) incoming THP-1 cells with prelabelled (blue cell tracker) encapsulated THP-1 cells pre cultured in M1 or M2 differentiation medium. Scale bar = 50 μ m