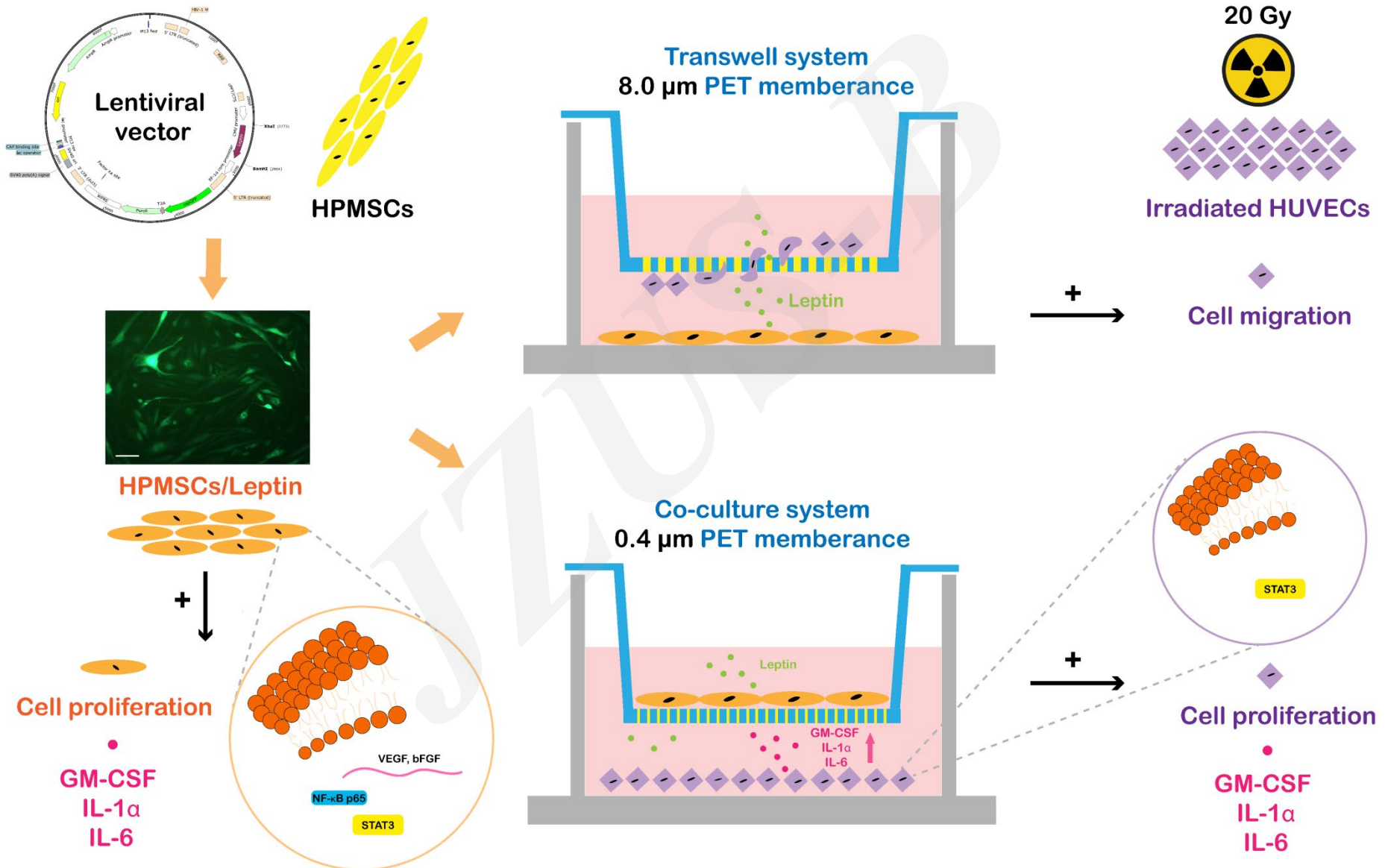


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Effects of leptin modified human placenta-derived mesenchymal stem cells on angiogenic potential and peripheral inflammation of human umbilical vein endothelial cells (HUVECs) after X-ray radiation

Key words: Leptin, Angiogenesis, Pro-inflammatory cytokines, X-ray radiation, Human placenta-derived mesenchymal stem cells (HPMSCs), Human umbilical vein endothelial cells (HUVECs)

Research Summary



Innovation points

- **Establishment of a sustained and stable leptin expression system (HPMSCs/Leptin) via lentivirus method.**
- **HPMSCs/Leptin exhibits better cell proliferation, migration, and angiogenic potential.**
- **HPMSCs/Leptin could promote angiogenic potential and peripheral inflammation of HUVECs after X-ray radiation.**