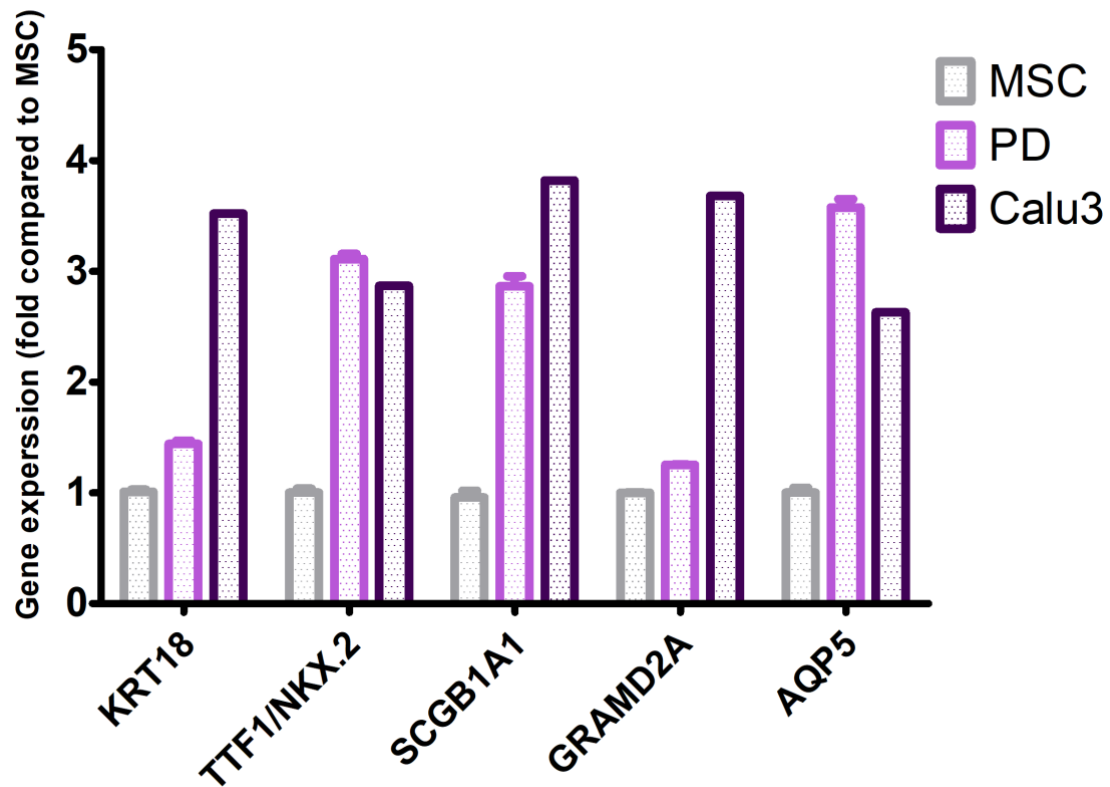
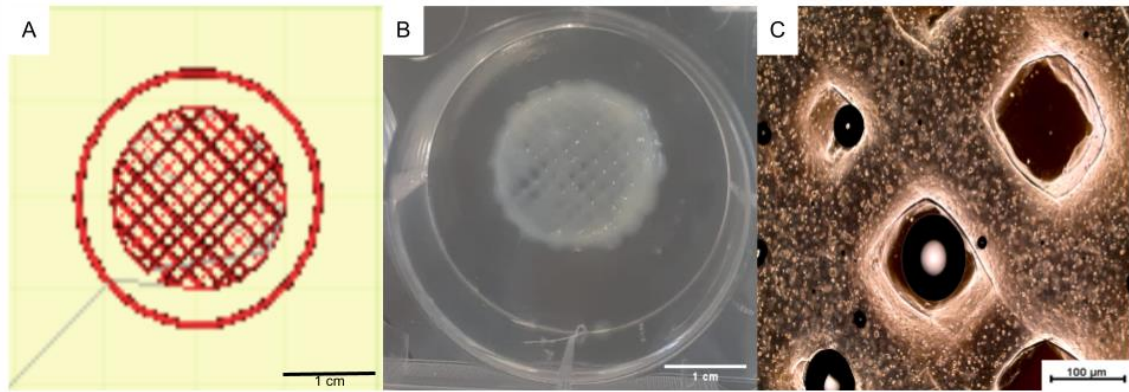


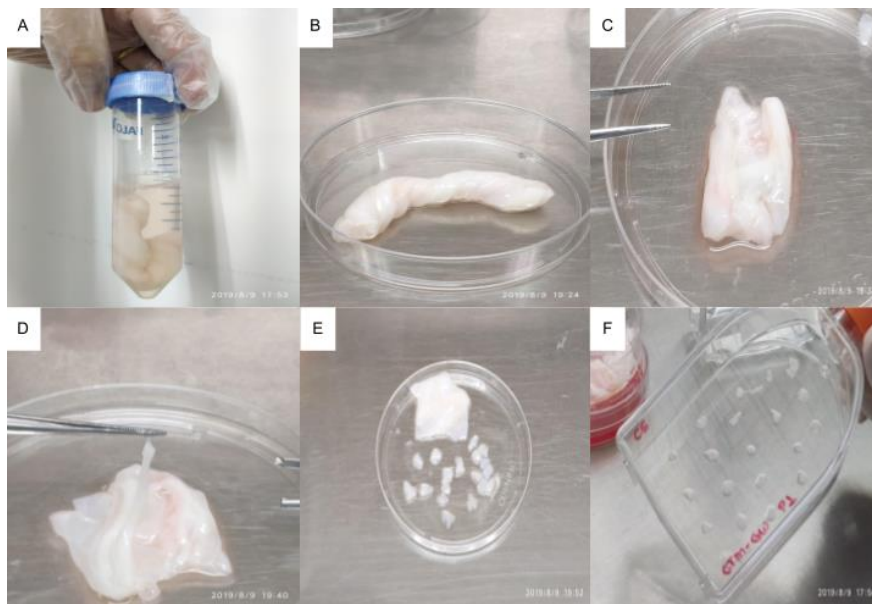
Supplementary Figures



Supplementary Figure S1. Histogram of Gene Expression. Quantification of the cDNA band by ImageJ. Each target gene was normalized, with Beta-Actin being the reference gene. Fold comparing differentiated pulmonary cells (PD) and Lung adenocarcinoma cells (Calu-3) as a positive control with mesenchymal stem cells (MSC), undifferentiated cells. Statistical analyzes were performed using the GraphPad Prism 5 software. Fold Compared. Pulmonary genes: KRT18, TTF1/NKX.2, SCGB1A1,



Supplementary Figure S2. 3D bioprinting. (A) Model used for bioprinting; (B) Bioprinted 3D structure; (C) Microscopy of the 3D structure.



Supplementary Figure S3. Isolation of WJ-MSC. (A) Umbilical cord storage; (B) Fragment of the umbilical cord; (C) Longitudinal cut; (D) Removal of blood vessels; (E) Fragmentation of the umbilical cord; (F) Fragments arranged in the culture flask.