

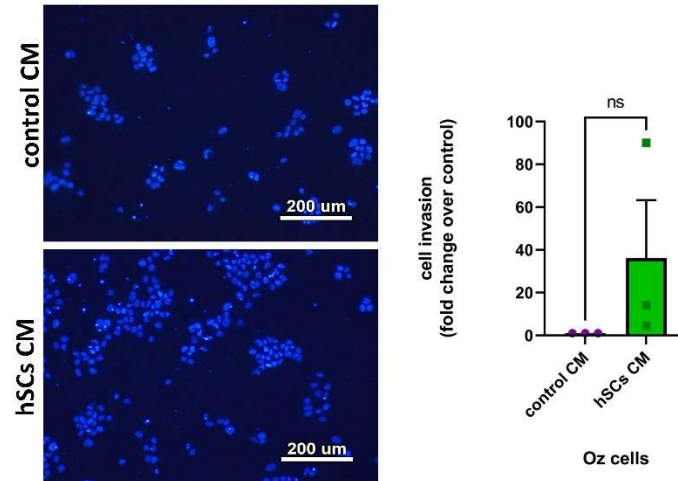


**Figure S1.** Oz cells exposed to hSC conditioned medium displayed a trend (yet statistically insignificant) of increased Matrigel invasiveness. Micrographs and related diagrams show the increase of Matrigel invasion in Oz cells treated with hSCs CM respect to control CM. Student's t-test:  $p = 0.13$ ;  $N = 3$

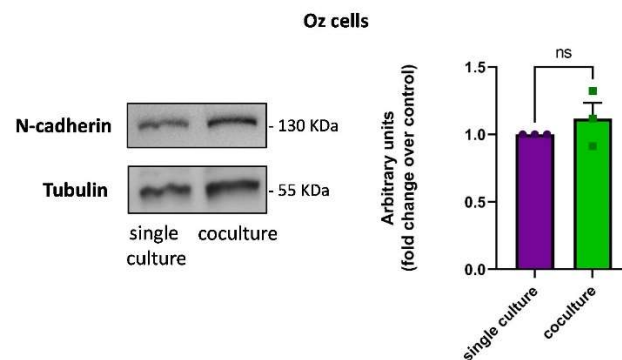


**Figure S2.** Western blot analyses of N-cadherin expression in Oz cells cocultured with hSCs. The figure shows an upregulation trend (yet statistically insignificant) of mesenchymal marker N-cadherin in the coculture sample. The graph depicts the result of densitometric analyses. Student's t-test:  $p = 0.19$ ;  $N = 3$ .

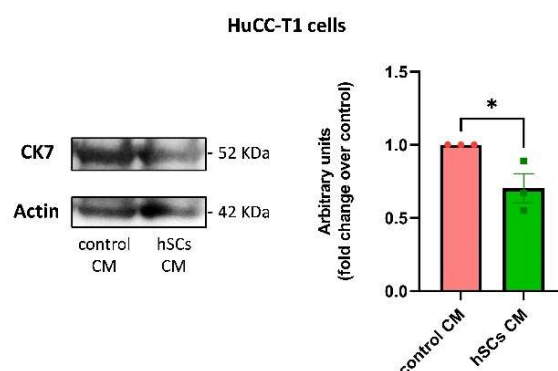


**Figure S3.** SCs CM-induced downregulation of cytokeratin 7 (CK7) in HuCC-T1 cells. Western blot analysis of CK7 expression in HuCC-T1 cells exposed to hSCs CM. HuCC-T1 cells treated with hSCs CM exhibited lower levels of cytokeratin 7 (CK7), compared to the control group. The graph depicts the result of densitometric analysis. Student's t-test: \* $p \leq 0.05$ . N=3.

|    | Accession | Protein description                                                     | Abundance Ratio: coculture / single culture | Abundance Ratio Adj. P-Value: coculture / single culture | number of detections in HuCC-T1 single culture | number of detections in HuCC-T1/hSCs cocultures |
|----|-----------|-------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|------------------------------------------------|-------------------------------------------------|
| 1  | O14576-1  | cytoplasmic dynein 1 intermediate chain 1                               | 100                                         | 6,50E-16                                                 | 0                                              | 4                                               |
| 2  | O15239    | NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1            | 100                                         | 6,50E-16                                                 | 0                                              | 4                                               |
| 3  | P07093-1  | Glia-derived nexin                                                      | 100                                         | 6,50E-16                                                 | 0                                              | 3                                               |
| 4  | Q02388-1  | Collagen alpha-1(VII) chain                                             | 100                                         | 6,50E-16                                                 | 0                                              | 3                                               |
| 5  | Q68CP9-1  | AT-rich interactive domain-containing protein 2                         | 2,40                                        | 4,32E-02                                                 | 4                                              | 4                                               |
| 6  | P51991-2  | Isoform 2 of Heterogeneous nuclear ribonucleoprotein A3                 | 2,19                                        | 1,81E-09                                                 | 4                                              | 4                                               |
| 7  | P11171-1  | protein 4.1                                                             | 2,16                                        | 3,55E-06                                                 | 4                                              | 4                                               |
| 8  | P62306    | Small nuclear ribonucleoprotein F                                       | 2,05                                        | 2,18E-04                                                 | 4                                              | 4                                               |
| 9  | Q6IQ49-1  | Protein SDE2 homolog                                                    | 2,63                                        | 4,70E-02                                                 | 1                                              | 3                                               |
| 10 | Q96KC8    | DnaJ homolog subfamily C member 1                                       | 2,34                                        | 1,10E-02                                                 | 3                                              | 3                                               |
| 1  | Q15828    | Cystatin-M                                                              | 0,01                                        | 6,50E-16                                                 | 3                                              | 0                                               |
| 2  | Q9UKQ2-1  | Disintegrin and metalloproteinase domain-containing protein 28          | 0,01                                        | 6,50E-16                                                 | 3                                              | 0                                               |
| 3  | P67775    | Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform | 0,05                                        | 6,50E-16                                                 | 4                                              | 3                                               |
| 4  | P13929-1  | Beta-enolase                                                            | 0,39                                        | 8,50E-14                                                 | 4                                              | 4                                               |
| 5  | P43308    | Translocon-associated protein subunit beta                              | 0,41                                        | 3,58E-05                                                 | 4                                              | 4                                               |
| 6  | P53794    | sodium/myo-inositol cotransporter                                       | 0,42                                        | 1,11E-09                                                 | 4                                              | 4                                               |
| 7  | P69905    | Hemoglobin subunit alpha                                                | 0,43                                        | 6,50E-16                                                 | 4                                              | 4                                               |
| 8  | Q9UGU0    | Transcription factor 20                                                 | 0,45                                        | 1,03E-02                                                 | 4                                              | 4                                               |
| 9  | P32456    | Guanylate-binding protein 2                                             | 0,45                                        | 1,33E-02                                                 | 4                                              | 4                                               |
| 10 | Q9UM47    | Neurogenic locus notch homolog protein 3                                | 0,50                                        | 7,93E-08                                                 | 4                                              | 4                                               |

**Table S1.** Proteins differentially regulated in HuCC-T1 cells cocultured with hSCs identified by proteomic analysis. The table shows the complete list of modulated proteins in HuCC-T1/hSCs coculture respect to controls, with the respective accession numbers and p values. Red: upregulated proteins; Blue: downregulated proteins. T-test, Benjamini-corrected. N=4.