Supporting Information (SI)

Standing Surface Acoustic Wave Based Cell Coculture

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Video captions

**Supplementary Video 1:** The time-lapse images taken every 20 min from 2 h to 12 h with 30 highlighted HeLa cell tracking for on-chip monoculture. HeLa cells show low level of mobility.

**Supplementary Video 2:** The time-lapse images taken every 20 min from 2 h to 12 h with 30 highlighted HeLa cell tracking for on-chip coculture. HeLa cells move significantly more when cocultured with HMVEC-d cells and migrate away from their original positions.

**Supplementary Video 3:** The time-lapse images taken every 20 min from 2 h to 12 h with 30 highlighted HeLa cell tracking for off-chip monoculture. HeLa cells in confluent monolayer on a petri dish also show low level of mobility.

**Supplementary Video 4:** The time-lapse images taken every 20 min from 2 h to 12 h with 30 highlighted HeLa cell tracking for off-chip coculture. HeLa cells show higher mobility compared with off-chip monoculture but tend to wander around locally with their final positions at 12 h close to their original positions at 2 h.