

A: Mean intracellular calcium concentration versus mean cell velocity in migrating DCs. DCs were loaded with Oregon Green BAPTA 1-AM and imaged every 30s (n=113 cells from three independent experiments).

- B: Mean intracellular calcium concentration versus mean cell velocity in migrating DCs in microchannels coated with fibronectin or FibroPEG(75/25) (n>21 cells from four independent experiments).
- C: Distribution of velocity fluctuations (ΔV/V0) displayed by immature DCs migrating in micro-channels (n=113 cells from three independent experiments).
- D: Expression of CD86 and CD40 in DCs treated ON with 100ng/ml CCL3 or 10 μg/ml LPS.
- E: Quantification of the median instantaneous speed of immature DCs migrating in micro-channels in the presence of 100ng/ml of CCL3. P-values were calculated using a Mann-Whitney test, with respect to the Non-Treated DCs (NT). Boxes illustrate 10-90 percentiles of values and whiskers represent the range of values. P-values were calculated using a Kruskal-wallis test.
- F: Velocity fluctuations and Ca2+ oscilations versus time in a single DC. Slow motility phases (<50% of max velocity) are shown as grey boxes and fast motility phases (>50% of max velocity) are shown as blue boxes.
- G: Frequency of changes of direction versus velocity fluctuations displayed by immature DCs migrating in micro-channels (n=113 cells from three independent experiments)