

## Supplemental Figure 1. Effects of Ent on the neutrophil polarity and chemotaxis.

Human peripheral neutrophils were isolated and the effects of Ent were evaluated on the acquisition of neutrophil polarity and chemotaxis. Human PMNs were stimulated with subsaturating concentrations of two independent and potent chemoattractants, fMLP, and LTB<sub>4</sub> and chemotactic response was evaluated. (A) F-Actin staining of adhered PMNs in response to stimulation for 5 min with fMLP (10 nM) or LTB4 (100 nM) in Vehicle- or Ent-treated PMNs; scale bar of 15  $\mu$ m. (**B**) Quantification of the extent of polarized cells observed in response to fMLP or LTB<sub>4</sub>; each bar represents a minimum of 300 cells. (**C**) Cell tracks of vehicle or Enttreated PMNs chemotaxis towards fMLP or LTB<sub>4</sub>; the X and Y axes represent distance in  $\mu$ m. (**D**) Total distance migrated and (**E**) the directionality of migration exhibited by vehicle or Ent pretreated PMNs in response to fMLP (100 nM) or LTB<sub>4</sub> (250 nM); each bar represents 60 cells. *In vitro* assays were performed in triplicates and are representative of two independent experiments. Results are expressed as mean ± SEM.