

Legends for Video files:

Movie 1: Time-lapse imaging of control morphant (**1.5 pmol**) demonstrating normal lymphatic endothelial cell sprouting away from posterior cardinal vein and normal parachordal lymphangioblast extending along horizontal myoseptum.

Movie 2: Time-lapse imaging of miR-126a morphant (**1.5 pmol**) demonstrating normal lymphatic endothelial cell sprouting, but defective parachordal lymphangioblast extension along horizontal myoseptum.

Movie 3: Time-lapse imaging of control morphant (**2 pmol**) demonstrating normal formation of lymphangiogenic and angiogenic posterior cardinal vein sprouts.

Movie 4: Time-lapse imaging of miR-126a morphant (**2 pmol**) demonstrating defects in lymphangiogenic and angiogenic posterior cardinal vein sprouts.