**Results**

         Lead and trailing molecular profiles are not predetermined but are the result of the embryonic microenvironments

o   Jason

o   Figure 1

         Integrate and switch

o   Jason/linus

o   Figure 2

         Improved modeling with more accurate switching times

o   Linus

o   Figure 3

         Trailing neural crest cells can respond to VEGF but are reluctant to leave the migratory stream

o   Bec/jess

o   Figure 4, 5

         Trailing neural crest cells that do leave the stream in response to VEGF become more leader-like

o   Bec/Jason

o   Figure 6

         Mathematical modeling of transplants

o   Linus

o   Figure 7

         Trailing neural crest migration is unaffected by a reduction in VEGF

o   Bec

o   Figure 8

         Lead molecular profiles are maintained after reduction in VEGF signaling

o   Bec/Jason

o   Figure 9

         Mathematical modeling of having no vegf in system (ie force cells into domain but no VEGF to respond to) and reducing response to vegf (50% of leaders can’t respond to VEGF)

o   Linus

o   Figure 10