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In my lab you can:

- 1) produce 200,000 flies, in order to find 1 flightless mutant

I hope to measure spontaneous per nucleotide mutation rate this way. I can always use more labor - but you need to LOVE flies, as otherwise you will be very unhappy soon.

- 2) compare multiple homologous sequences, in order to understand how natural selection acts on them

I hope to develop new methods of detecting positive selection and to quantify negative selection. If you like to program, this may be for you.