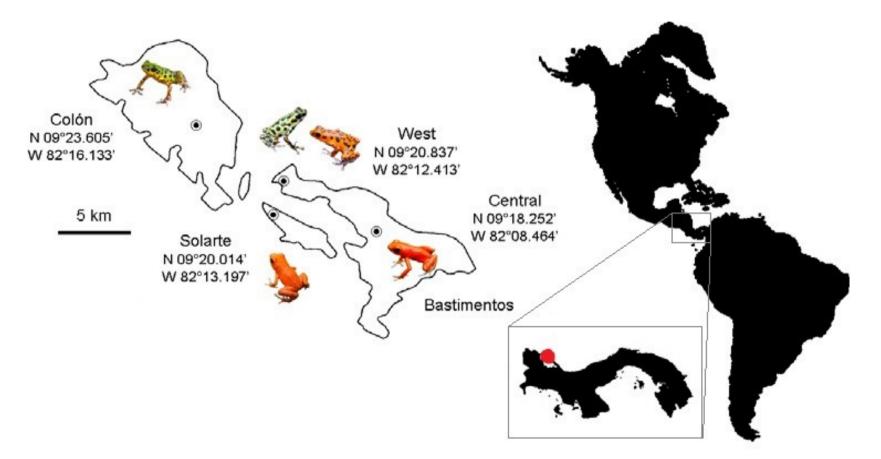
The mechanism of speciation

Sexual and natural selection of *Dendrobates pumilio*





Picture: Archipelago "Bocas del Toro" in Panama



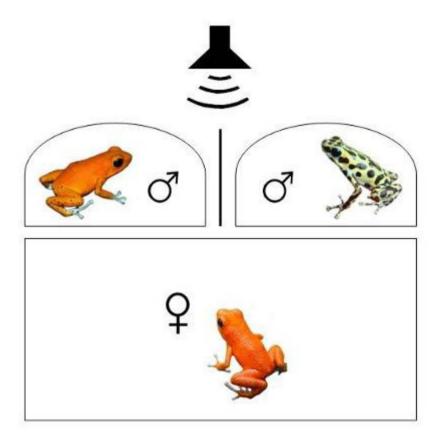
Picture left: Plasticine-modells of Dendrobates pumilio



Picture top-right: Eggs of D. pumilio

Picture bottom-right: Frog with polliwog on his back





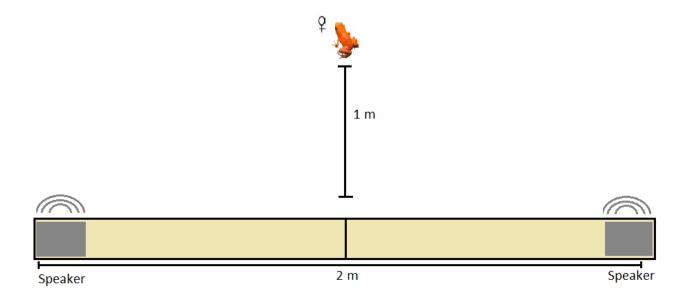
Experiment 1:

- Males from two different populations in glas case
- One call from speaker
- Female mate choice



Experiment 2:

- Two different calls for mate choice
- Plasticine-models



Results

- Females prefer their similar phenotype
- Call is more important than color
- Natural selection and sexual selection lead to speciation without geographical isolation