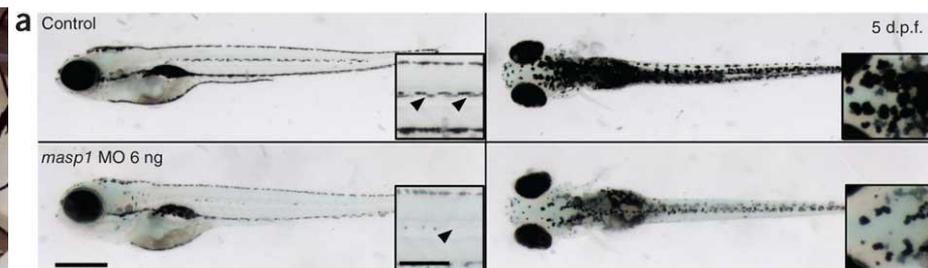
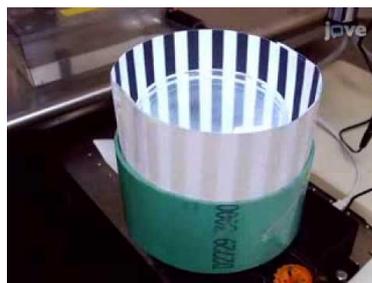
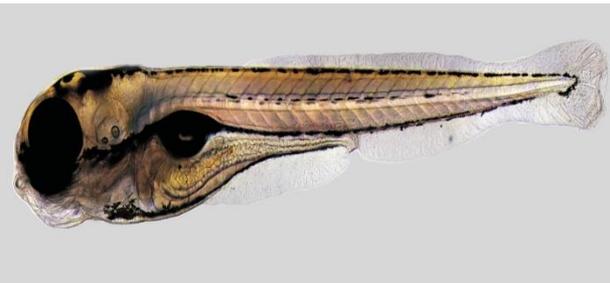




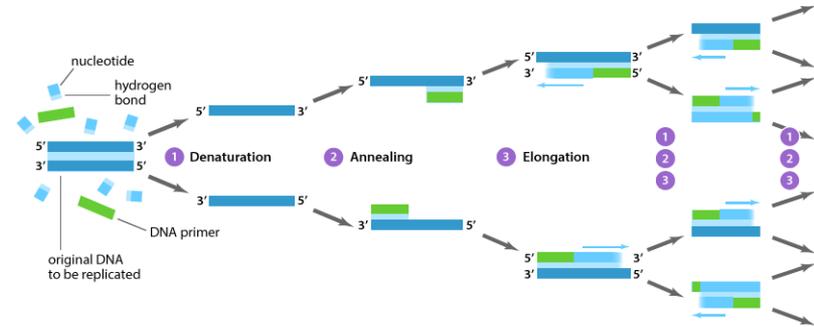
# Day 1

1. Introduction to the basic principals of genetics
2. Talk about vision and visual disease
3. Practical lab work : Phenotyping and genotyping of a zebrafish larvae with inherited blindness. This meant identifying dye mutant and wildtype larvae and performing the optokinetic response assay on the zebrafish.



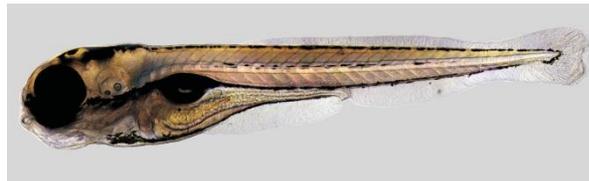
# Day 2

1. Introduction to the basic principals of pharmacology
2. Interactive talk : The senses
3. Tour of UCD campus
4. Practical lab work : Introduction to pipetting, genotyping of zebrafish larvae by Polymerise Chain Reaction (PCR). This involved analysing the genomic DNA of the zebrafish.

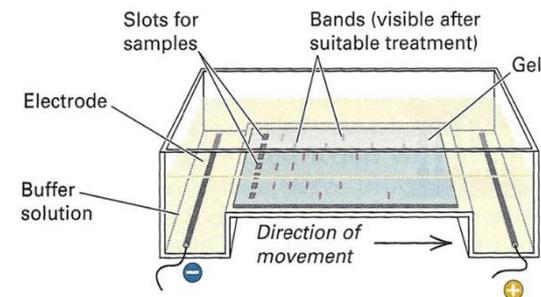


# Day 3

1. Talk about current and future therapies to treat inherited blindness
2. Fighting Blindness talk
3. Practical lab : Analysing the amplified DNA of the zebrafish using gel electrophoresis. This involved inserting the PCR amplified DNA into an agarose gel in a well. We found the result of the drug on the vision of the mutant zebrafish larvae



Agarose gel electrophoresis of DNA



Overall, we had a very beneficial time  
at the UCD KEDS Summer School.  
Thank you for your attention

jaspersforever:

soulpxnk:

science side of tumblr why am i  
emo

your black skinny genes