

## The IRB Drosophila Injection Service:

### (1) Rules

- Contact **Ainoa Olza** ([ainoa.olza@irbbarcelona.org](mailto:ainoa.olza@irbbarcelona.org)) to arrange a date and time to give the DNA for injection and start the injection process
- Mix **6µg of DNA** with **2 µg of delta 2-3 helper DNA**, precipitate it and resuspend it in **20µl of injection buffer**. The length of the DNA to be injected should be provided
- We use **w<sup>1118</sup> and yw embryos as hosts**. Please cross the F1 with **w<sup>1118</sup> or yw** (no balancers) to increase the frequency of transgenic flies
- People will be contacted by email once the injected larvae are ready
- Numbers of F1 flies, scored F2 flies and F2 red eyes flies carrying a transgene should be provided

### (2) Protocol Injection buffer (5mM KCl, 01mM Phosphatase buffer pH 6,8):

0.074gr KCl

10ml Stock Phosphatase Buffer pH 6,8

190ml H<sub>2</sub>O

(Stock Phosphatase Buffer pH 6,8:

46.3ml Na<sub>2</sub>HPO<sub>4</sub> 1M +53.7ml NaH<sub>2</sub>PO<sub>4</sub> 1M)