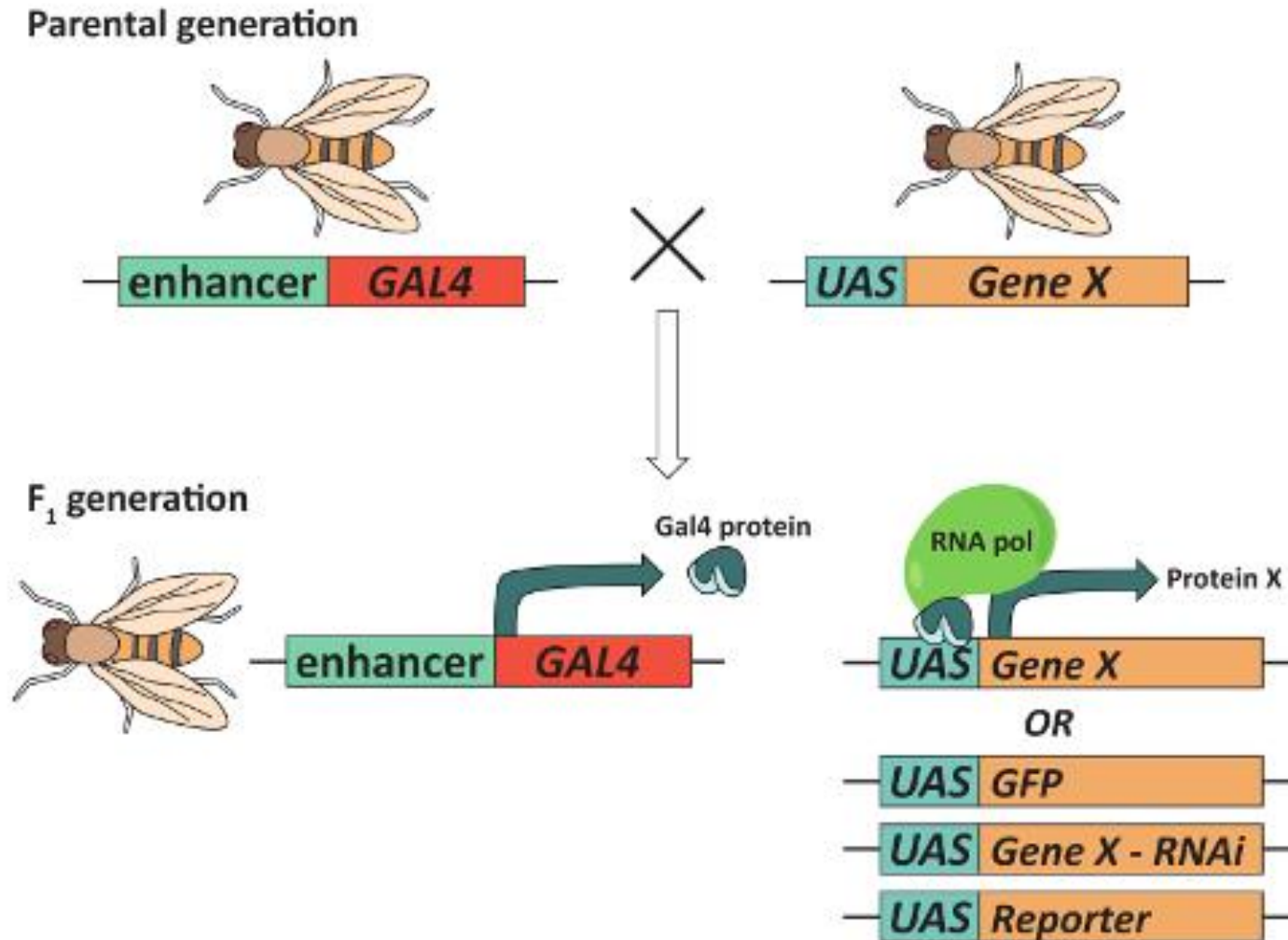


果蠅實驗操作介紹

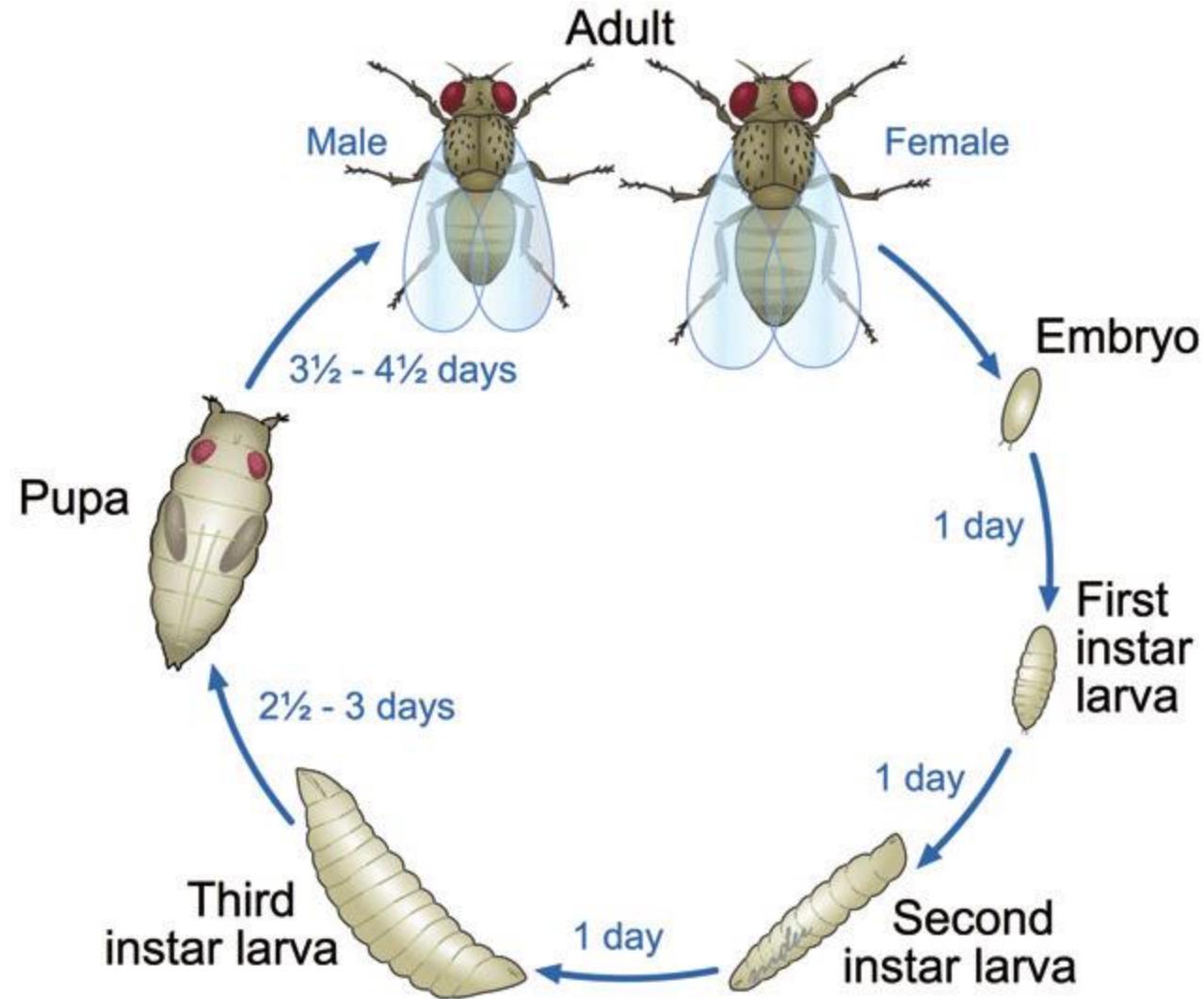
Introduction to Drosophila Experiment Procedures

2/12 林詣然

GAL4/UAS system



Drosophila life cycle



Drosophila culture

Transfer flies to new medium every 7 days(normal drosophila)

Transfer flies to new medium every 14 days(EB drosophila)

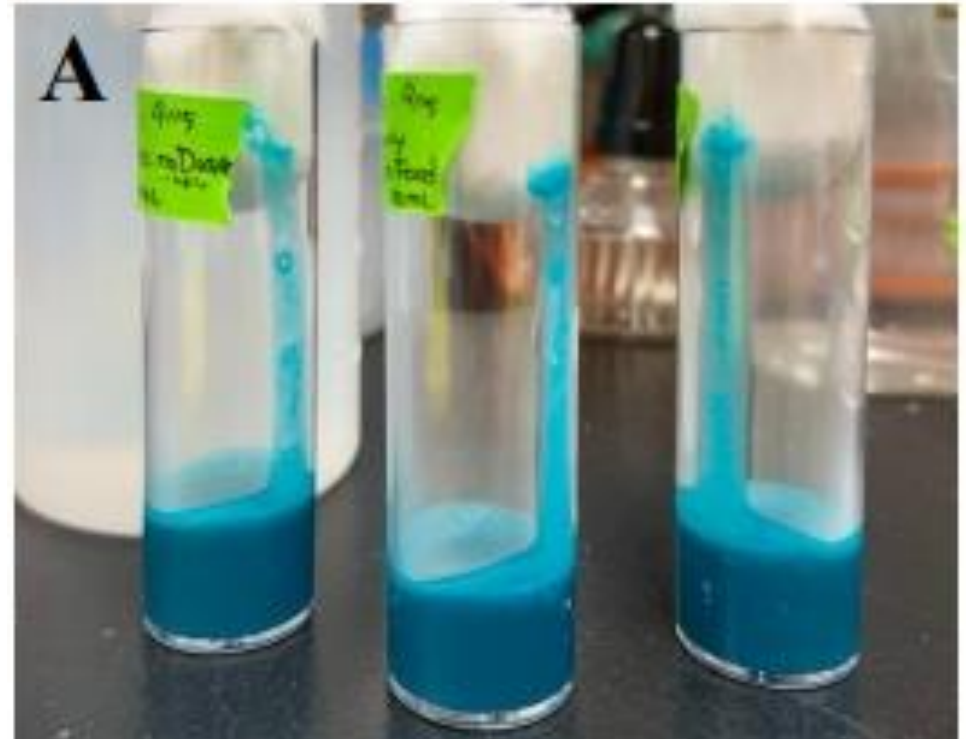
Fly food tubes can be stored at 4°C for 1-2 month

Life span: one month(EB)/40-50 days(normal)

Developmental time in different temperature:

25 °C : 9-10 days

20 °C : 15-16 days



Lethality rate and growth rate

Calculate pupa



Drosophila RNA extraction

- Stored in RNA later at -80 °C
- 2µg/fly
- 3-5 fly for each time