# pGLO Transformation Workshop

## Materials

- 2 x 10µl DH5α cells
- 5µl pGLO DNA
- 750µl LB broth
- 4 plates (1 LB agar, 2 LB + ampicillin, 1 LB + ampicillin + arabinose)

## Methods

1. Label plates with your name and the following:
    - LB agar -pGLO
    - LB amp -pGLO
    - LB amp +pGLO
    - LB amp ara + pGLO
2. Label the DH5α tubes:
    - +pGLO
    - -pGLO
3. Transfer 2µl pGLO DNA into +pGLO DH5α Eppendorf tube.
4. Incubate both tubes of DH5α on ice for 20 minutes.
5. Heat shock both tubes for 90 seconds at 42°C.
6. Transfer both tubes back onto ice for another 2 minutes.
7. Add 250µl LB broth into each tube. Mix by inverting tube gently 4-6 times.
8. Plate 100µl onto the appropriate plates and spread evenly.
9. Place in the incubator overnight at 37°C.
10. Visualize the plates under UV.