M1D7:
Data analysis

10/6/15

Lab business

- Lab treat…

- Extra Office Hours:
  - Noreen Fri., 2-4p (16-317)
  - Maxine Fri., 10-12p (16-239)
  - Leslie Sat., 12-2p (16-429b)

10-4p (56-302)

Mod 1 assignments

- Major
  - DNA engineering summary
  - DNA engineering mini-presentation

- Minor
  - Notebook entry: share M1D5 with Andee
    - Due by 10p Oct. 6 (today!)
  - Reflection blog post
    - Due by 5p Oct. 14

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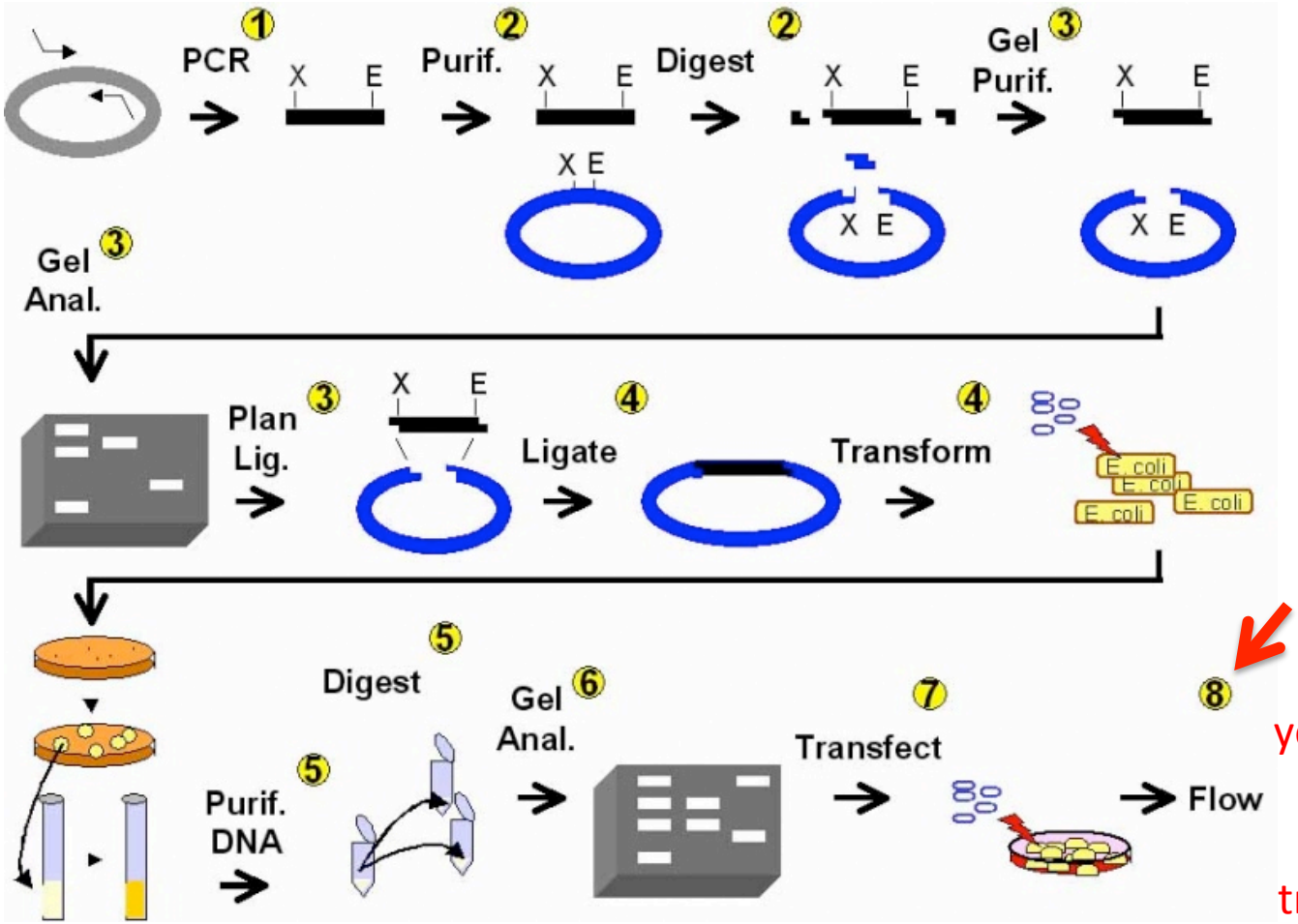
Reflection assignments

- Do not publish MIT logo
- Do not post photographs with names tagged
- Do not write malicious comments
- Do not plagiarize

Mod 1 overview



Demo; teaching faculty measured your samples on Friday (24h post-transfection)

Flow cytometry

- Forward scatter

cell size

'junk'

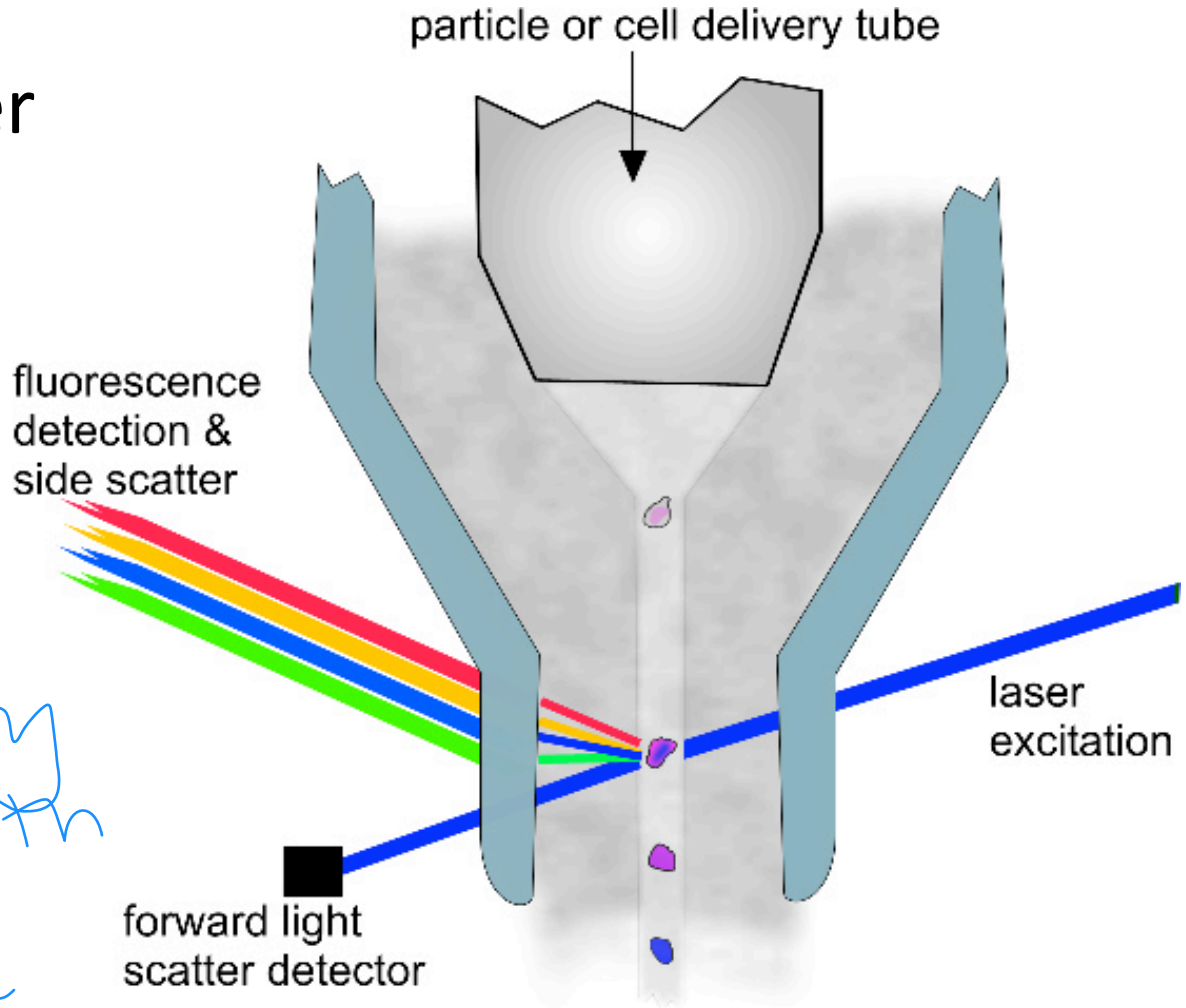
- Side scatter

granularity

cell health

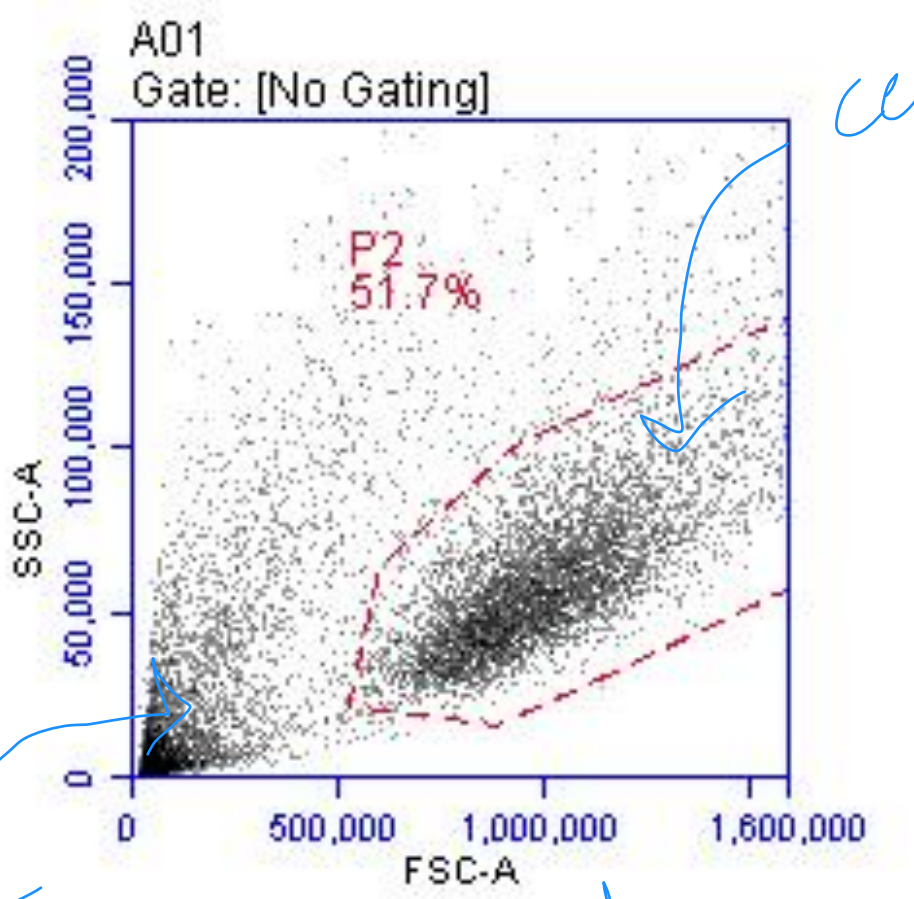
or

type



Establishing gates: cells

mock sample



cells

cells vs junk

scatter

junk

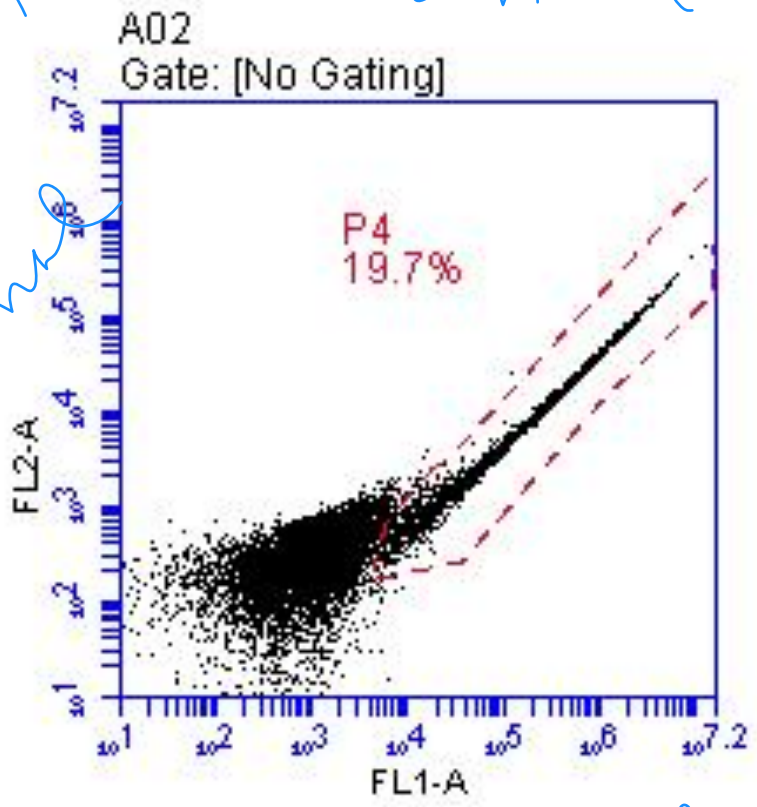
forward

Establishing gates: green cells

A

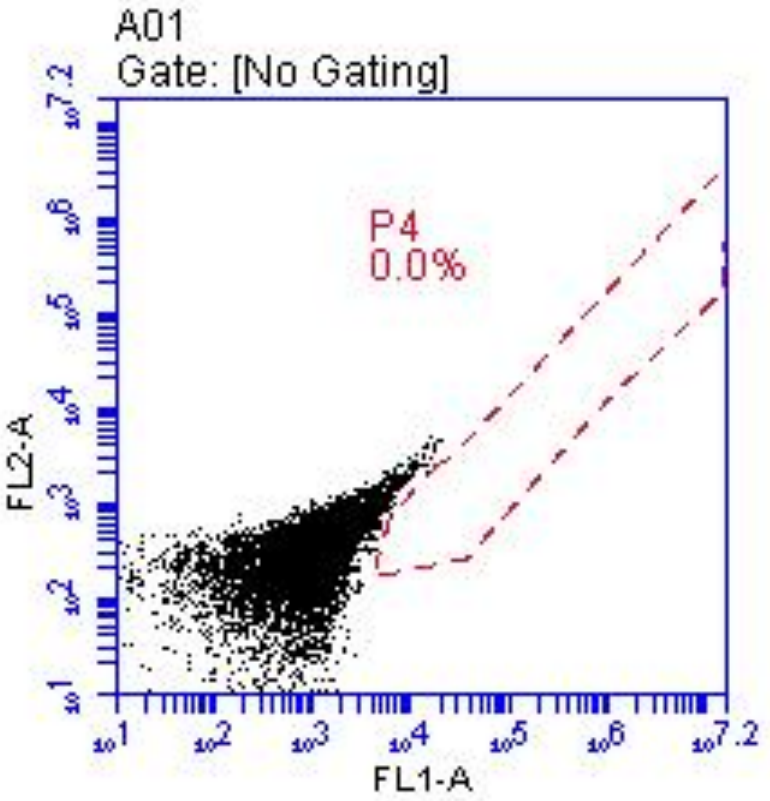
EGFP positive control

mock



red channel

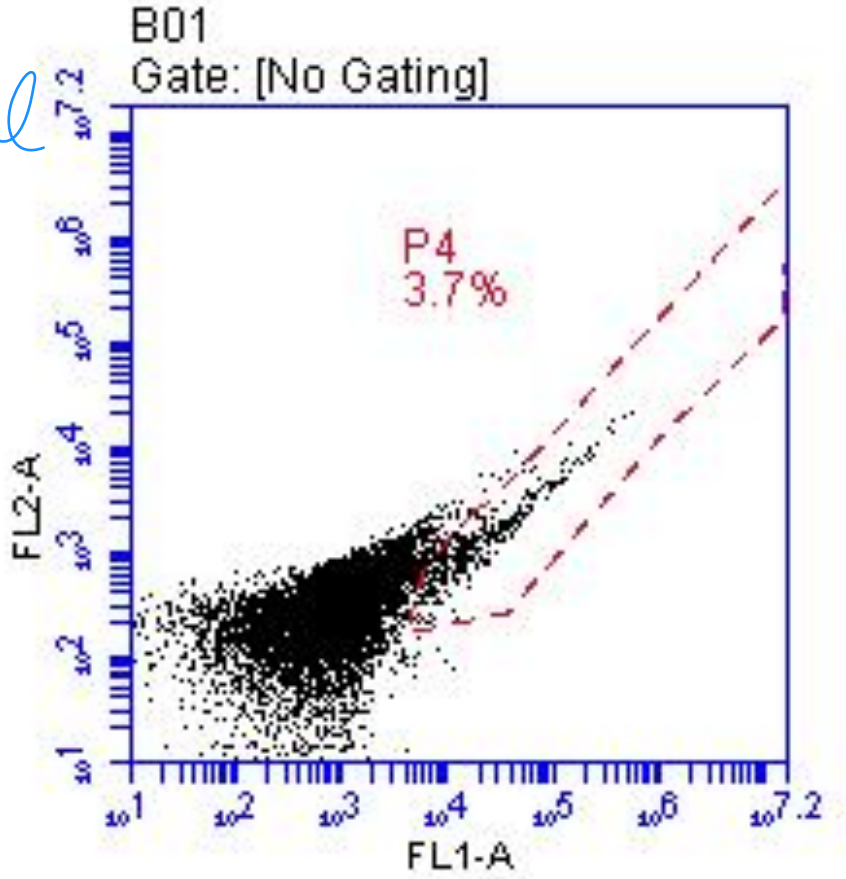
green channel



Your data analysis

experimental

measuring HR



Today

Class will be split:

1. Flow cytometry – Blue and Red
2. Paper discussion – Orange and Pink
3. Data analysis – Green