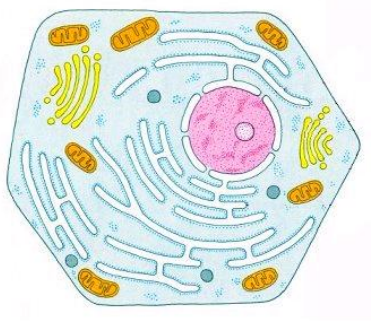
Where we are...

An overview

- Plasmid for promotertest (BBb mcherry/GFP)
- Established gensynthesis protocol (silghtly modified, fragment [40bp] polymerisation)
- Established randomized promotor synthesis
- Transfection is working (positive control flourescenses)
- Loads of flourescent proteins with localisation signals :
  - BFP, CFP, GFP, YFP, mCherry
  - Nucleus, mitochondria, plasma membrane, ER, Cytosol



Running...

- Stable integration (FRT integration in eucaryotic cells)
- BBbing of Plasmids (cut out BBa and insert synthesized BBb Sites)
- Testing ready targeted fluorescent proteins, measurment vector (to get an idea how they work)
- Making own stocks of some fluorescent protein plasmids
- Collect more existing promoters and localization signals in house (natural promoters to test the localisation stuff)
- Establising extraction protocols for some required natural promoter regions

Next steps

- BBbing of flourescent proteins (submittable)
- Isolation of natural promoters
- Testing the combinations of fluorescent proteins under microscope
- Screening of random-synthesic promoters (extensive pipetting)
- (maybe) need to clone some of our own targeted fluorescent proteins (to lokalize proteins /application)