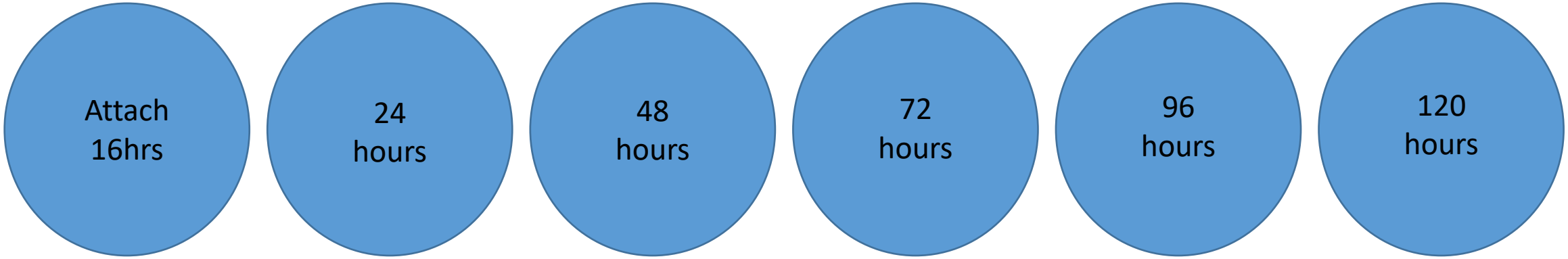
Week 7 Experiments

Cell Proliferation

Ethanol toxicity, assessed by Trypan Blue

Cell Proliferation Experiment



Cells split/subcultured on Day 0. Seeded to be 0.7% confluent upon attachment.
~182,000 cells seeded

Images captured 24 hours apart for 6-7 days.

Build a figure showing each image side-by-side. Build a growth curve graph (cell# vs time). Estimate percent confluence and convert to cell number. Report population doubling time. Results assignment is due March 22nd

TX-100 Toxicity or Permeability Assessed by Trypan Blue

No TX-100		

Make 1-2ml dilutions of Ethanol in falcon tubes and mix well. Then pipette into the wells of the 6-well plate, carefully.

Incubate for 5-10min. Every 5min, observe the cells under the microscope to see if they detach.

Carefully remove the treatment solution and gently wash by adding 1ml of 1xPBS to each well.

Remove 1xPBS wash and add 500µl of fresh 1xPBS and 100µl of Trypan Blue dye. Gently rock to mix. Capture images with phase microscope.