

- Announcements (Mod2 Day 2)
- Quiz
- Atissa: Lecture on presentations
- Reading period
 - (+) take a peek at your cells
- Journal article discussion (16-336)

2009 iGEM Competition

Synthetic Biologists Wanted



What is iGEM?

the international genetically engineered machines (iGEM) competition is a synthetic biology competition where students design and build biological machines using DNA parts. Teams from all over the world will present their work at MIT in the fall.

MIT iGEM Team

we are seeking 4 talented undergraduates to engineer biological systems full-time this summer under the guidance of graduate and faculty advisors. You will receive a stipend for the summer.

Requirements

biology lab experience would be useful but is not required
enthusiasm and commitment are a must!

How to apply

application is available at www.mitigem.org
deadline is April 3 (Friday)

Info Session: March 31 at 4:30 and 5:15pm in 56-614

Announcements

- iGEM competition
- Next week: class begins 1:30 pm
- Splitting cells recap.

Case 1

Cells: $1M$
 (10^6)

Area = A

$V = 1mL$



$1:2$



$V_{\text{cells}} = 0.5mL$
 $V_{\text{med}} = 2.5mL$

Area = A

$V = 3mL$

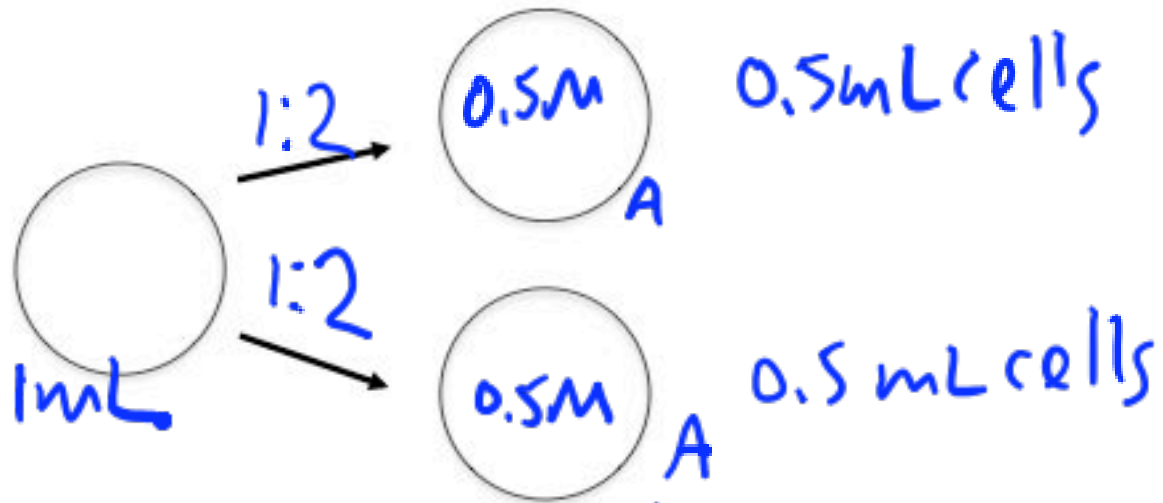


Announcements (cont)

Case 2

Cells: $1M$

Area = A

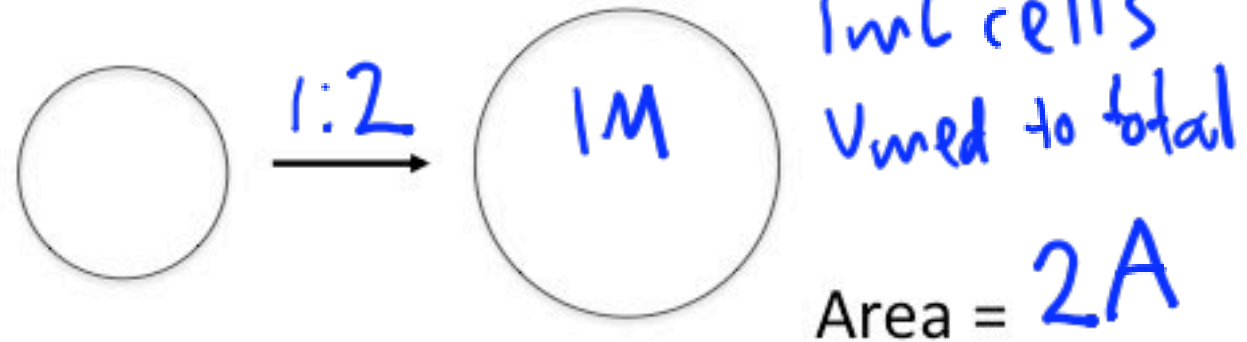


last time: ~~1:2~~, ~~1:5~~ 1:6, 1:15

Case 3

Cells: $1M$

Area = A



1mL cells
Vmed to total

Area = $2A$