- Note Final PS

For question 2(a) the value of 'k' in the final equation (Eq. 3b) needs to be rescaled.'

- Tuesday Lecture will be for questions on the last problem set (Juan)
- No recitation on Wednesday
- Next Thursday will be the last lecture
   Topic "Modeling drospholia development"

Systems Microbiology

the <u>single</u> cell as a well-stirred bio-reactor

Systems Cell Biology

the importance of diffusion and gradients for cellular regulation in a <u>single</u> cell

Systems Developmental Biology

How to build a <u>multicellular</u> organism from single cells **Cell-Cell communication** 

## Quorum sensing in bacteria: a tractable experimental system for cell-cell communication

Image removed due to copyright considerations.

## N-acyl-L-homoserine lactones (AHLs) are the main signalling molecules

Image removed due to copyright considerations.

## Example of engineering cell-cell communication [You et al. Nature **428**, 868 (2004)]

Image removed due to copyright considerations. See You, L., R. S. Cox 3rd, R. Weiss, and F. H. Arnold. "Programmed population control by cell-cell communication and regulated killing."

Nature 428, no. 6985(Apr 22, 2004): 868-71. Epub 2004 Apr 04.