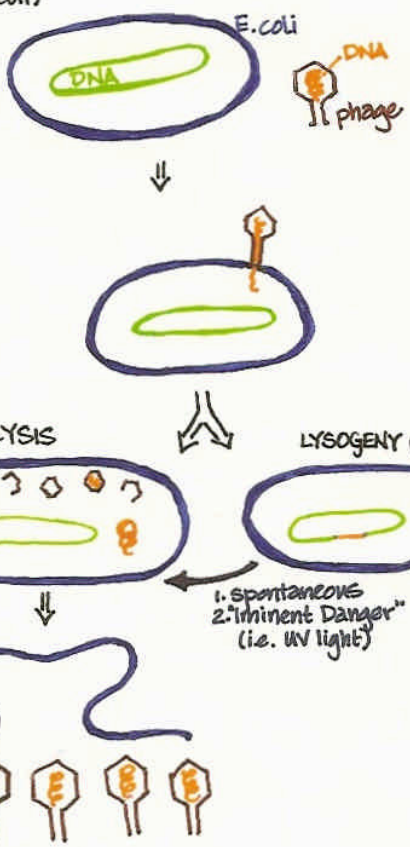
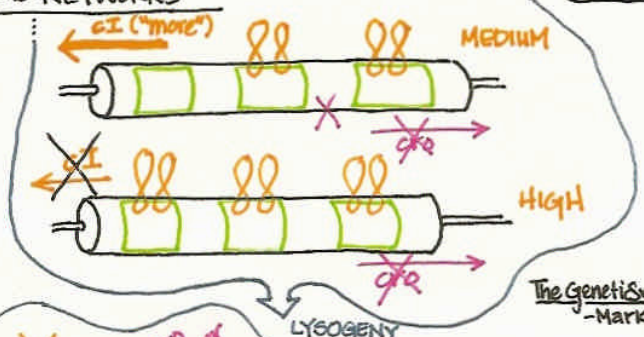
INTRODUCTION TO BIOLOGICAL NETWORKS

- Read inputs from environment
- Process inputs (signal transduction)
- Result in some change in system (output)

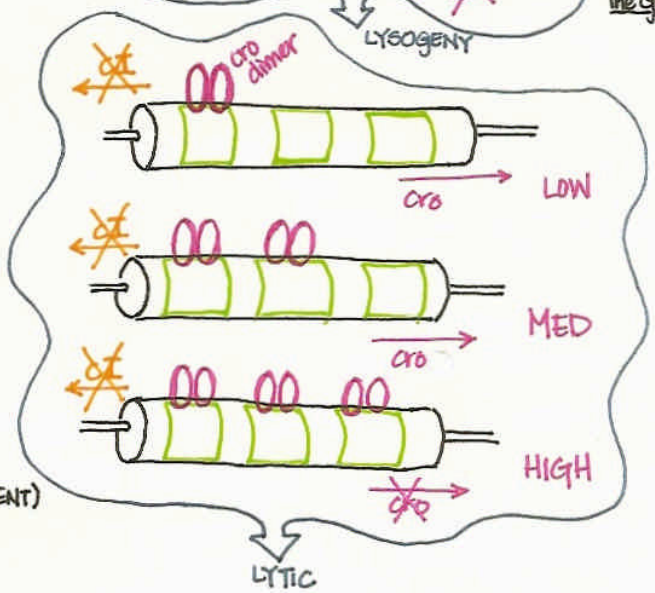
Information transfer:
- mechanical
- electrical
- ★ chemical

BACTERIA INFECTED WITH PHAGE λ (E.coli)



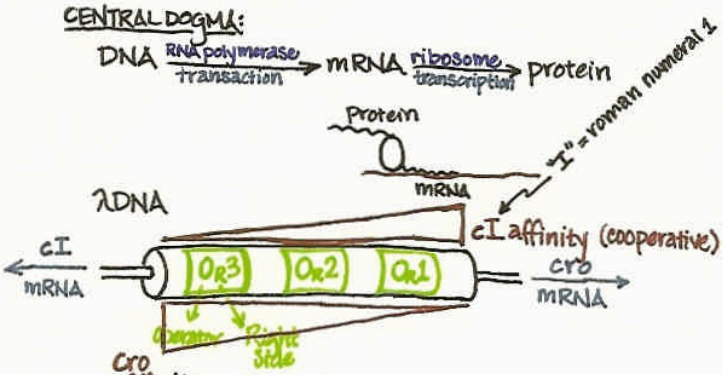


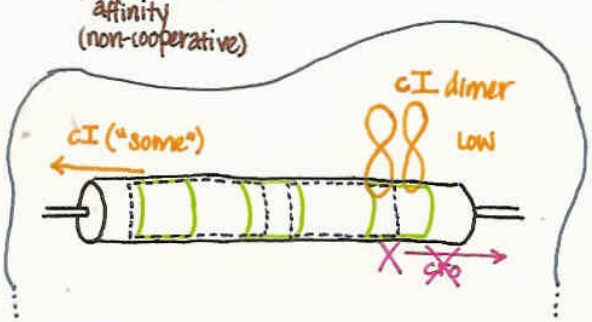
The Genetic Switch
-Mark Ptash



CENTRAL DOGMA:

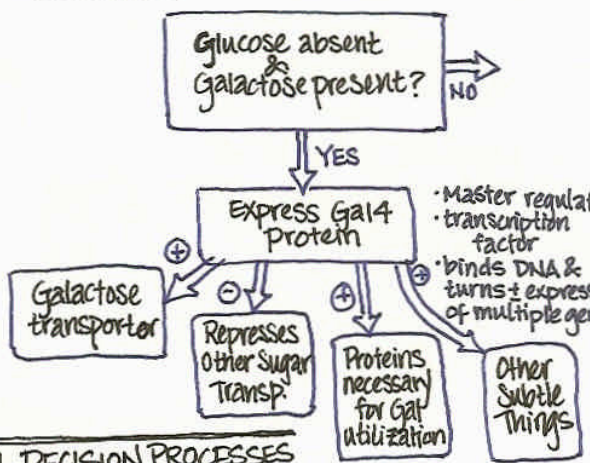
DNA —(RNA polymerase / transaction)→ mRNA —(ribosome / transcription)→ protein





YEAST GROWTH ON DIFFERENT CARBON

→ Glucose – most readily utilized
→ When no glucose, then utilize other food sources



CELL DECISION PROCESSES
-Life or Death