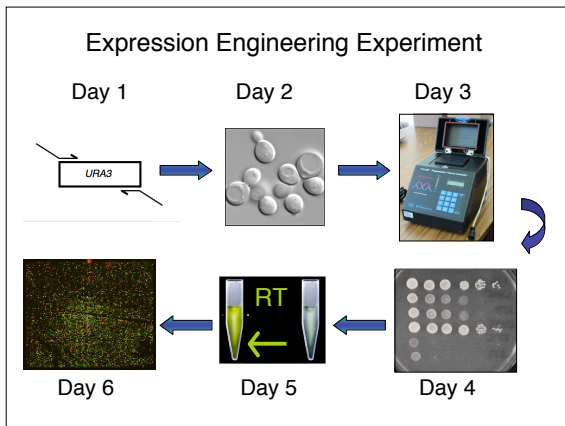
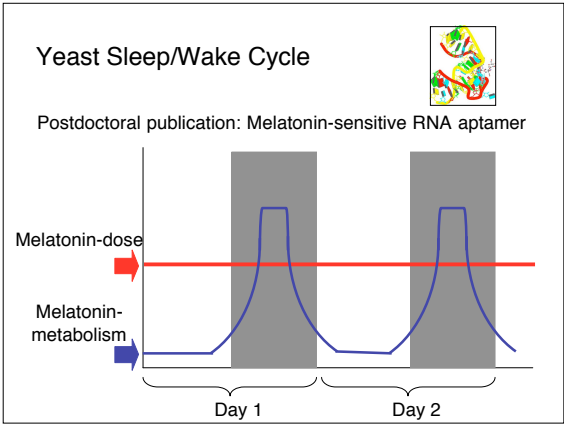


20.109 Expression Engineering

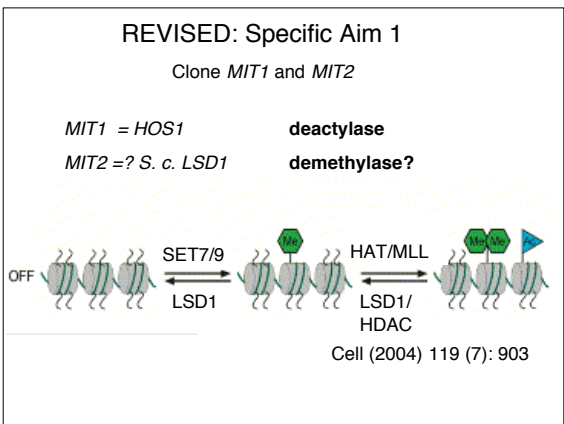
Spring 2007
Lecture 4
April 19th, 2007



Expression Engineering Experiment	
<p style="text-align: center;">Lecture 1</p> <ul style="list-style-type: none"> • eukaryotic gene expression <ul style="list-style-type: none"> ✓ chromatin parts ✓ euk exp'n + obstacles 	<p style="text-align: center;">Lecture 2</p> <ul style="list-style-type: none"> • intro to yeast genetics • yeast SAGA complex <ul style="list-style-type: none"> ✓ genetics then and now ✓ SAGA genes
<p style="text-align: center;">Lecture 3</p> <ul style="list-style-type: none"> • IMRD (Susan Ruff) 	<p style="text-align: center;">Lecture 4</p> <ul style="list-style-type: none"> • yeast genetic analysis <ul style="list-style-type: none"> ✓ yeast circadian rhythms
<p style="text-align: center;">Lecture 5</p> <ul style="list-style-type: none"> • measuring gene expression 	<p style="text-align: center;">Lecture 6</p> <ul style="list-style-type: none"> • microarray analysis (Rebecca Fry)

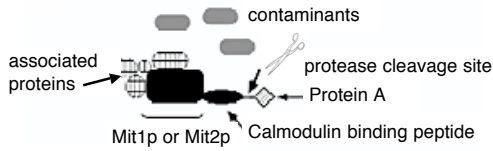


- ### RO1 Resubmission: New Specific Aims
1. Clone *MIT1* and *MIT2*
 2. Examine changes in gene expression from *mit1* and *mit2* mutants
 3. Purify proteins associated with Mit1p and Mit2p



RO1 Resubmission: New Specific Aims

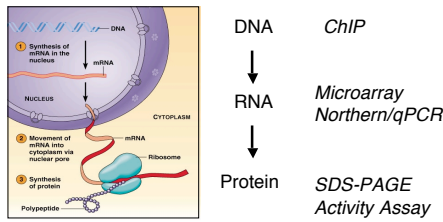
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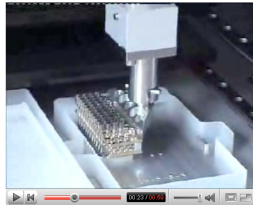
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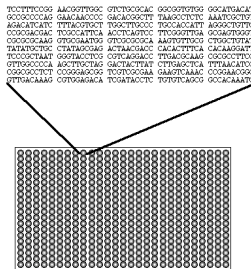


Microarray the array

Microarray printing



<http://www.youtube.com/watch?v=S8Cwy71nMNU>



<http://www.bio.davidson.edu/people/maccampbell/strategies/chipsintro.html>

