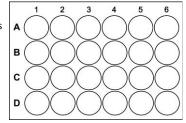
Enigonation	
Epigenetics	
DNA Mutations	
• DNA mutation = faulty proteins	
• Faulty proteins = abnormal cells with uncontrollable division	
Abnormal cells with uncontrollable division = cancer	
Epigenetic Changes	
• Modifications to mechanisms associated with DNA that	
alter gene expression Silence Genes Activate Genes	
• NO DNA ALTERATIONS	
• Can be reversed	
Ф.	

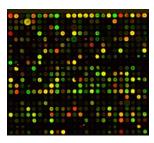
DNA Microarray

1st step = identify which genes in the cancer cells are working abnormally



DNA Microarray

• Thousands of spots



DNA Microarray

