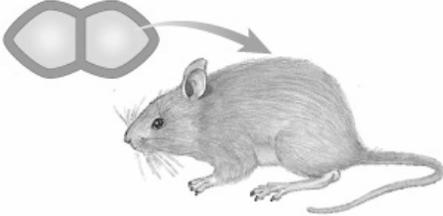
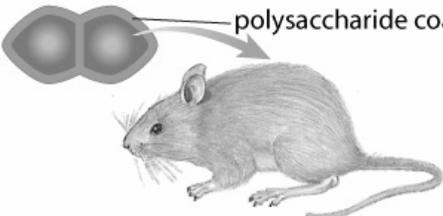
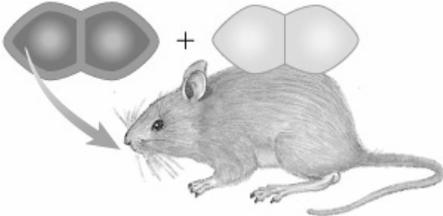


Griffith's Discovery of Transformation

Injection of <i>Streptococcus pneumoniae</i>	Result
Live pathenogenic strain of <i>S. pneumoniae</i> 	Mice die 
Live non-pathenogenic strain of <i>S. pneumoniae</i> 	Mice live 
Heat-killed pathenogenic strain of <i>S. pneumoniae</i> polysaccharide coat 	Mice live 
Mixture of heat-killed pathenogenic and live non-pathenogenic strains of <i>S. pneumoniae</i> 	Mice die. Their blood contains live pathenogenic <i>S. pneumoniae</i> . 

Frederick Griffith found that hereditary information passed from dead bacterial cells to live bacterial cells. The live cells were transformed from a harmless form into a disease-causing form.