

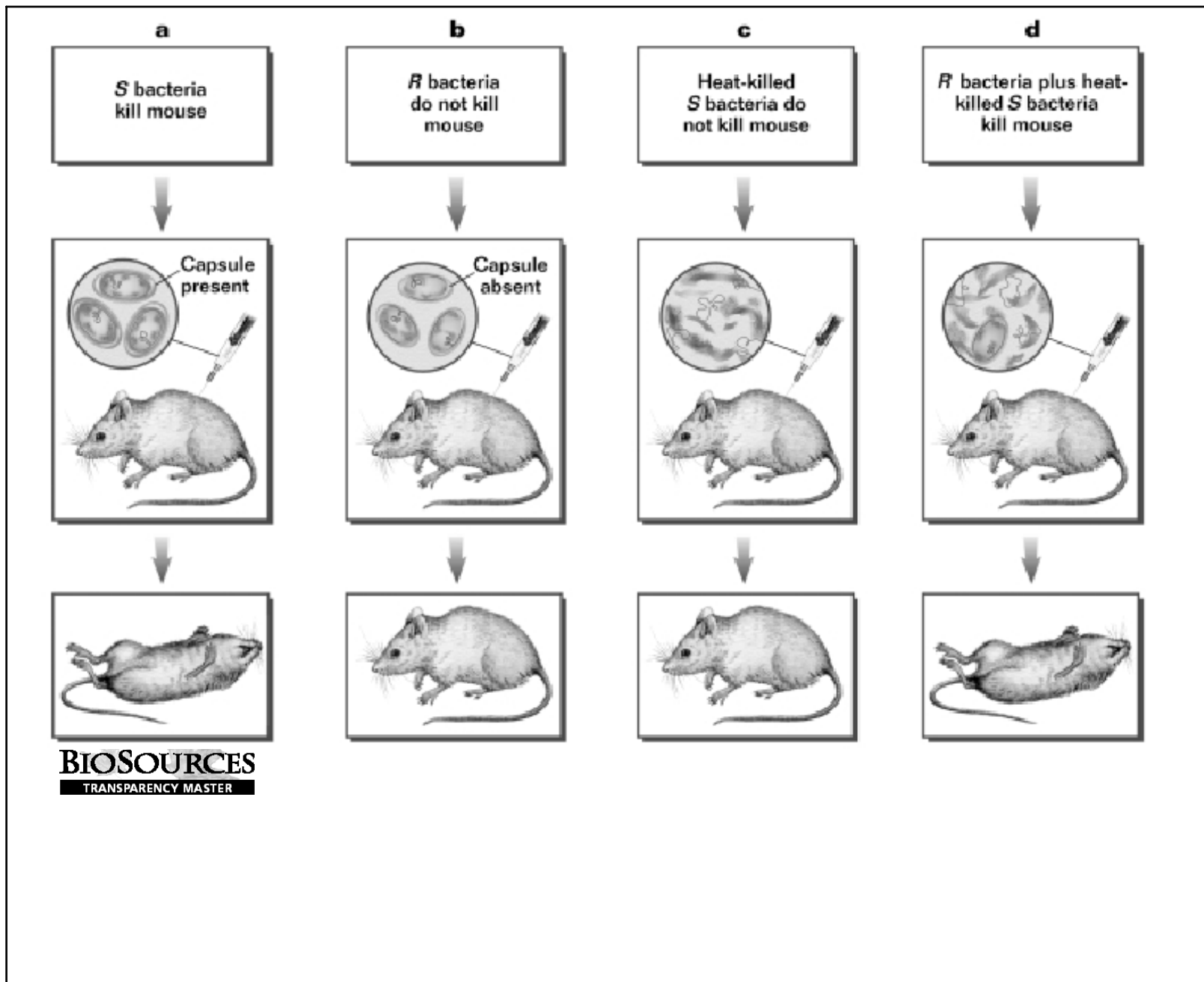
Mendel answered the question of why you look like your parents, but he did not say what genes looked like.

Frederick Giffith was
trying to make a
vaccine against the
bacteria that causes
Pneumonia. He made a
genetic discovery
instead.

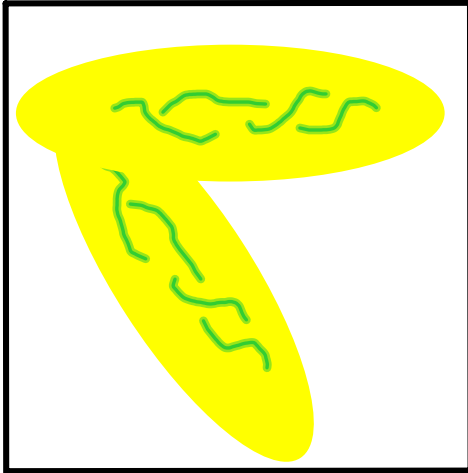
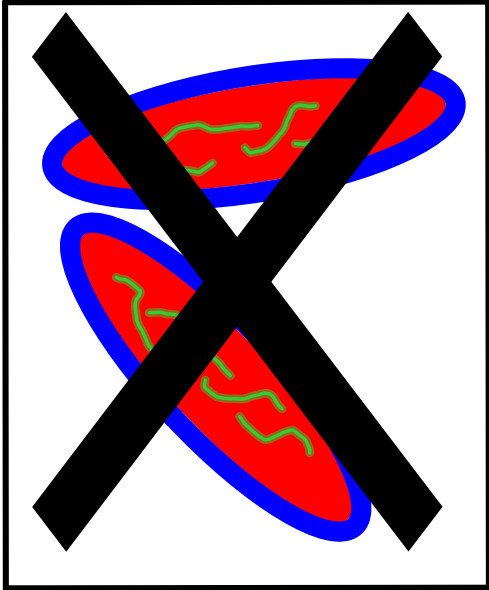
A vaccine is a substance that is made from dead or weakened bacteria and given to the body to protect against future infections.

Griffith was working with two types of bacteria.

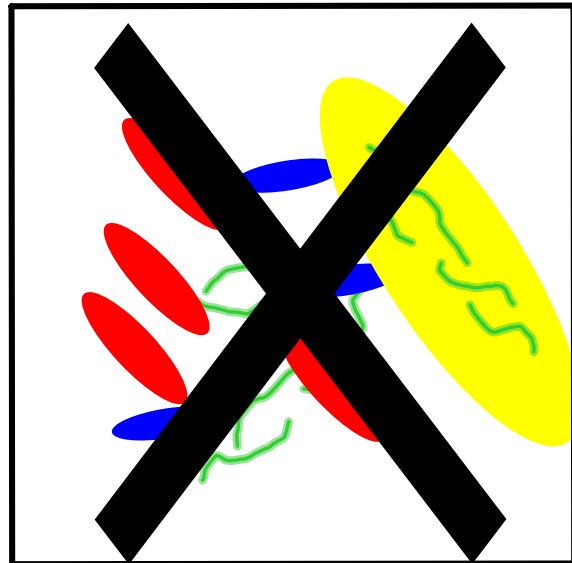
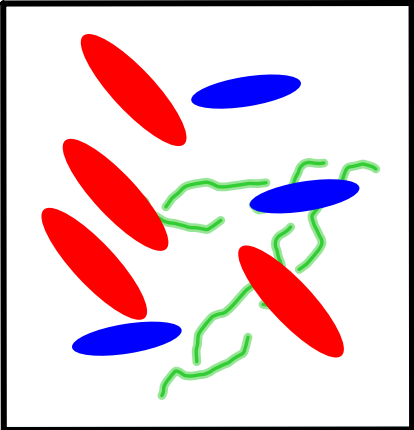




BIOSOURCES
TRANSPARENCY MASTER



Why?



Some how the
bacteria under
went

transformation

Oswald

Avery in
1944 showed

that DNA is
responsible for

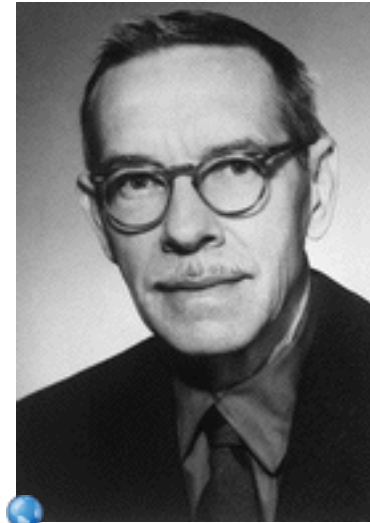
transformation



<http://profiles.nlm.nih.gov/CC/Views/Exhibit/narrative/biographical.html>

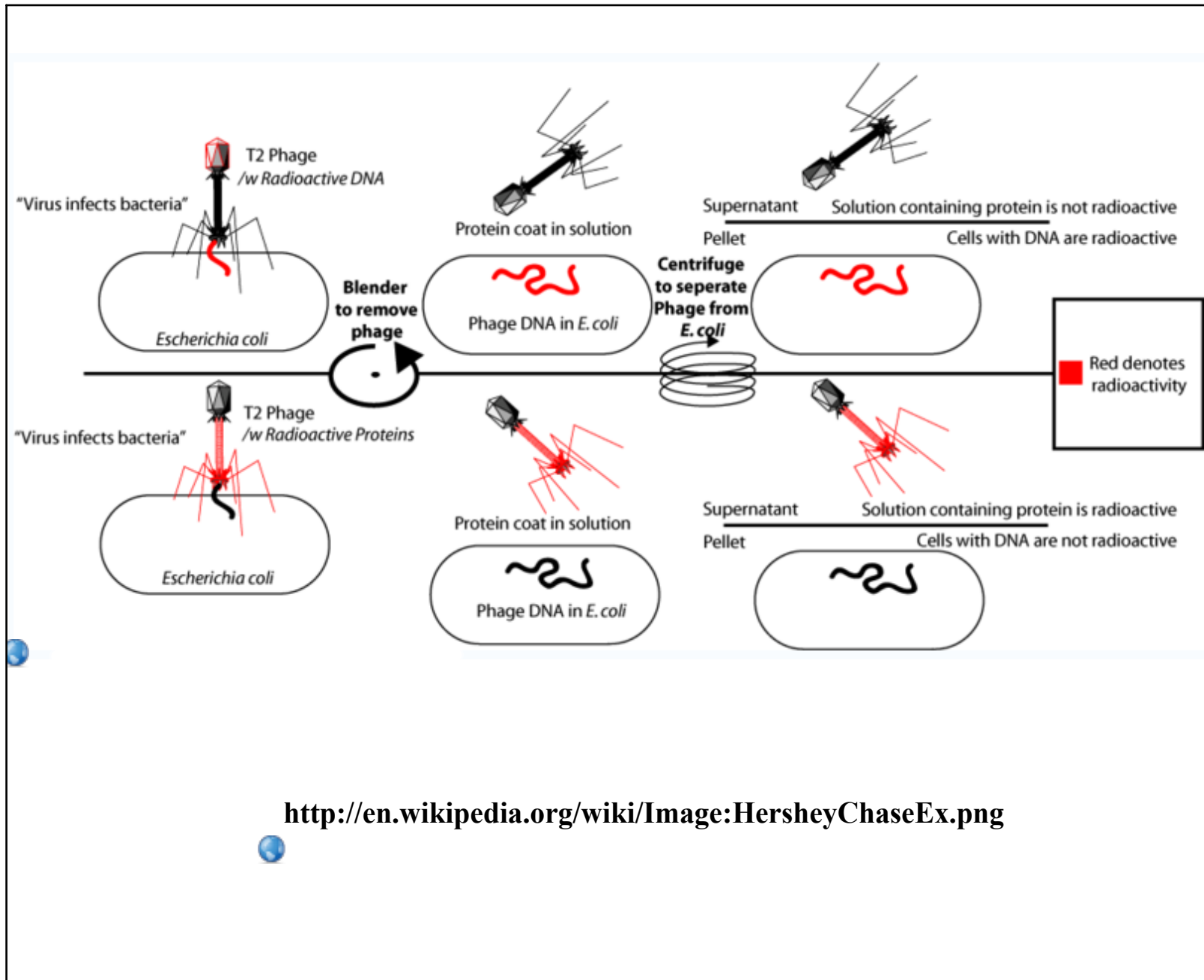
Hershey and Chase

Bacteriophage-
virus that infect
bacteria



Ashley Hershey

http://nobelprize.org/nobel_prizes/medicine/laureates/1969/hershey-bio.html



<http://en.wikipedia.org/wiki/Image:HersheyChaseEx.png>