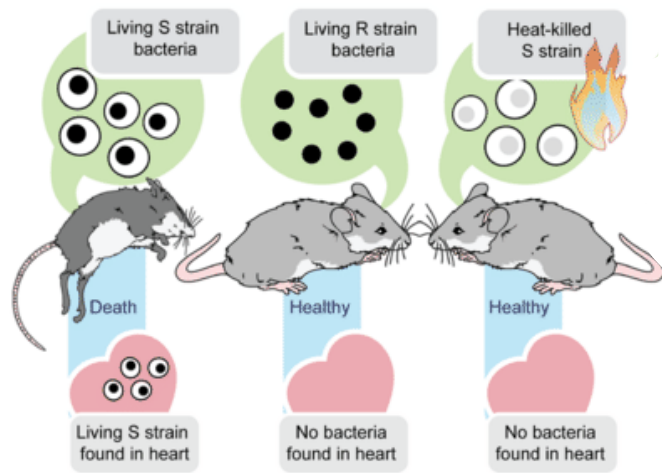


Griffith's Experiment

<https://www.youtube.com/watch?v=4LU71ubTCZA>



- **Initial Observations:**



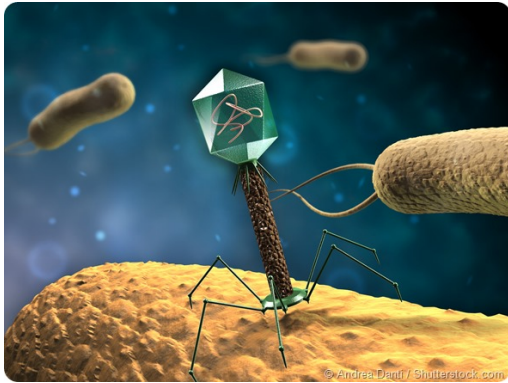
- **Question:** How will injecting a mixture of the avirulent (r-strain) bacteria and the heat-killed virulent (s-strain) bacteria affect the mouse?
- **Hypothesis:** Injecting the mixture of bacteria will not kill the mouse
- **Results:** Dead mouse
- **Conclusion:** something from the heat-killed bacteria "transformed" the rough bacteria and made them lethal.

Hershey and Chase's Experiment

<https://www.youtube.com/watch?v=95eKgQxdF8w>



- **Question:** Which part of the organism contains genetic material (protein coat or DNA)?



- **Hypothesis:** The genetic material is the DNA
- **Results:** The phosphorus labeled DNA was found in the bacteria
- **Conclusion:** DNA contains genetic information