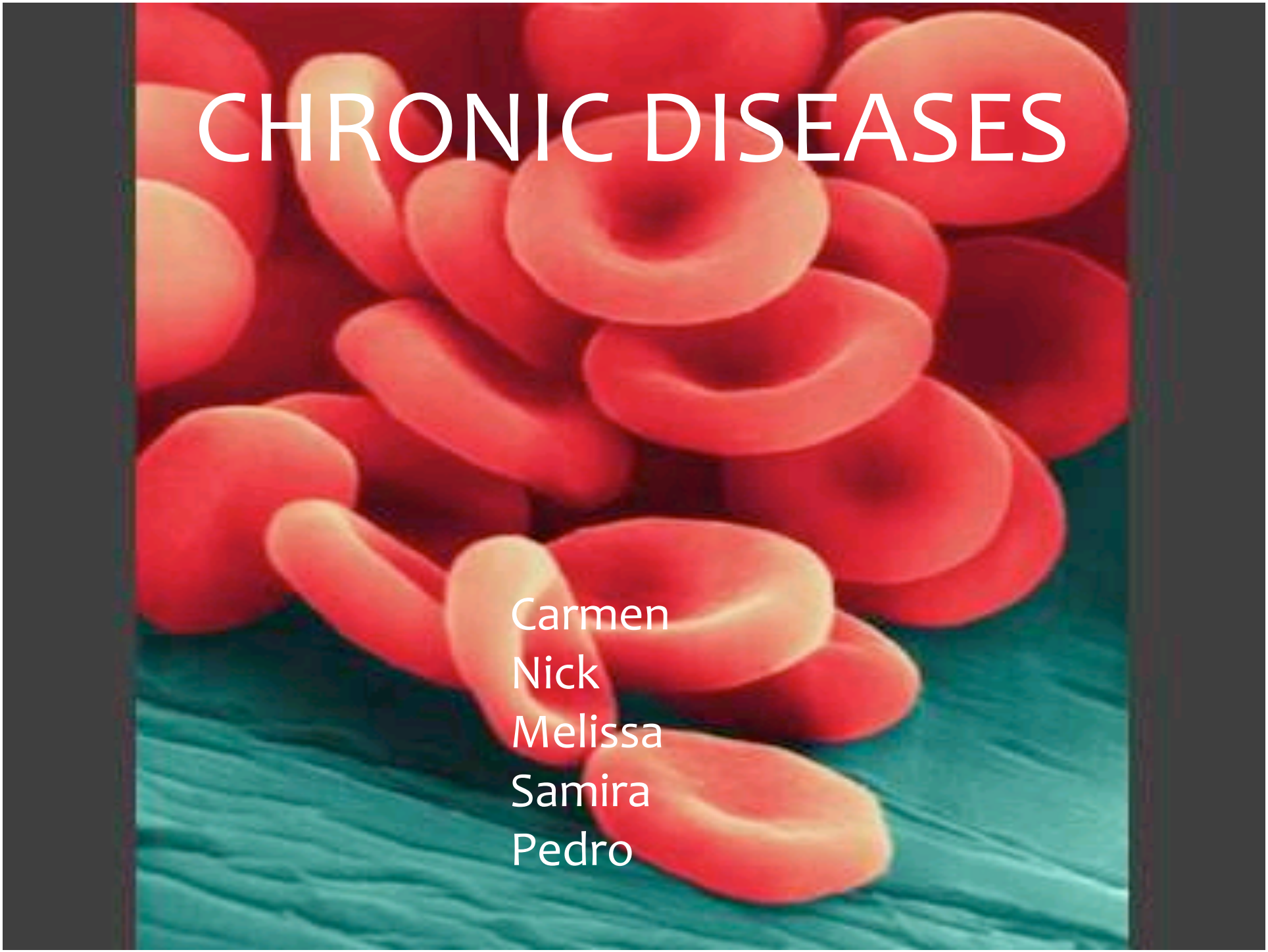
CHRONIC DISEASES



Carmen
Nick
Melissa
Samira
Pedro

Diabetes

- *Problem:*
- Juvenile diabetes Type 1, but also Type 2 diabetes. It is difficult to both detect and inject insulin in children.
- *Possible solutions:*
- Detecting blood sugar levels in a convenient ways and injecting insulin in children, so that it is less of a hindrance to their lives.

Organ Failure

- *Problem:*
- When fixing one organ, you are simultaneously affecting other organs.
- *Solution:*
- Artificial immune system. Independent medication that does not depend on the immune system.
- Releasing interferons to protect cells of other organs.

Hepatitis C

- *Problem:*
- A viral disease that destroys the liver.
- *Solution:*
- Destroy the protein that makes up the virus and then the viral infection would not kill off the liver cells.
- Coming up with a vaccine.

Cancer

- *Problem:*
- To avoid chemotherapy. People die from the treatment rather than the actual disease.
- *Solution:*
- Looking for a medication that does not bring about the side effects of current chemotherapy. Looking at the signaling pathways and look for any abnormal use of a singular pathway. Mapping the pathway, and then turning it off.