# Information theory in regards to aging and aging related diseases

Entropy can provide a measure of the average amount and any information given in an event at random. In my talk, I will be discussing basic definitions of entropy and information theory and how they are used in the biomedical field.

Aging and aging-related diseases - cancer, diabetes, heart disease, homeostasis, aging, and longevity - has become a very big deal in society since it decreases the age expectancy of human beings. With information theory, we would be able to identify the cause and the likelihood of the disease and its occurrences.