at the genetic level.

All of your genes are what controls your size, your shape, your hair color. A lot of your traits and characteristics are controlled by gene,s and this is what we call the molecular aspects of carcinogenesis.

Now, it is understood today that cancer is a loss of control of cell growth.

If you cut your skin, the skin grows back together and it stops.

If you injure your body, it heals and those cells that heal it stop growing. Just like those cells that I showed you earlier that were growing in the lung when they replace those cells that have been injured, they stop growing.

When you get a cancer, those genes that control that cell growth have been altered. Errors have been made in the transcription or in mutation of those genes and those kinds of genes are called oncogenes. "Onco" means cancer. And these are cancer-causing genes.