

Abstract

The scientific understanding of classifications of RNA and the search for a cause and cure for Age-Related Macular Degeneration has changed dramatically in the past 10 years. Comparing two research studies almost a decade apart, but with similar topics, demonstrates how the science has become much more precise. To fully appreciate how quickly researchers are mining the RNA information, one must understand the increasingly rapid expansion of technology. Not only are the laboratory tools used to see the molecular structures of our bodies advancing, but so are the bioinformatic tools such as free on-line global databases with accompanying computer programs to analyze the information. Now more than ever, scientists are able to see the latest research, make a hypothesis, run the idea through computer aided models, and then test it in the lab.

Keywords: Age-Related Macular Degeneration, ncRNA, lncRNA, circRNA, bioinformatics, aging