The "Zinc Finger"

By Shannon L. Vereyken

Topics in Biology/ Josh Cannon

Summer Ventures in Science and Mathematics

The University of North Carolina at Charlotte

Abstract

The "zinc finger" is another name for Cys₂His₂ and is a DNA binding protein found common in most organisms. It has been found that by producing arrays zinc fingers can be reengineered to target genes and be manipulated. This is a huge breakthrough in the medical world because this is leading to cures for many disorders. As of right now scientists are still in the testing stages, but in the future zinc fingers could be a cure.