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## Beckman 211

### Genetics: The Next Frontier of Medical Research

The completion of the Human Genome Project in 2003 opened the doors to numerous research projects in the medical field. With a full sequence of the genes that make up the DNA of humans, connections could be more easily made between diseases and the genetic abnormalities that may cause them. The recent advances in technology have also been advantageous in aiding in organizing the more than 20,000 genes found in the human genome. My research over the summer at the University of Cincinnati gave me first-hand experience in using computer programs to analyze genes that are expressed in the hypothalamus of mice and look for connections between them. Through this experience, I also learned the value of genetics in the medical field today.