Jianlin Cheng

University of Missouri researcher Dr. Jianlin Cheng develops computer tools to tackle biological problems.

In the College of Engineering, Cheng teaches courses related to Big Data, bioinformatics and machine learning (a type of artificial intelligence). He is also affiliated with other campus units, including the Informatics Institute and Interdisciplinary Plant Group.

As a researcher, Cheng works to develop computational methods and tools that can be used in the biomedical field to analyze Big Data. His research group has developed a number of software tools for analyzing protein structure and function, 3-D genome structure, biological networks and data from certain biological fields known as "omics." These innovations are used by scientists around the world.

Cheng's work has been supported by leading agencies including the U.S. Department of Energy, the National Institutes of Health and the National Science Foundation (NSF). He has more than 110 publications in *Bioinformatics*, *Nucleic Acids Research*, *Nature* and other leading scientific journals.

For his exceptional work, Cheng has been recognized with numerous honors. These include The NSF's CAREER award and the MU engineering college's Junior Faculty Research Award. Additionally, Cheng has twice been named one of the MU Chancellor's Top Achievers.

Dr. Jianlin Cheng is a professor of electrical engineering and computer science in the College of Engineering.