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UM professor awarded $30,000 NSF grant to study protein site

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STUDY PROTEIN SITE

MISSOULA--

Dr. Walter E. Hill, an assistant professor of chemistry at the University of Montana, has received a $30,000 grant from the National Science Foundation to study the site at which protein is manufactured in the body.

The two-year grant, which takes effect Sept. 1, will be used to study the structure and function of the ribosome (pronounced rye-bo-so-m), a subcellular particle.

"Once we determine how ribosome works in protein synthesis," Dr. Hill explained, "then the effects of various antibiotics and anticarcinogens can be determined.

"If we can stop protein synthesis at the ribosome, then rampant cell multiplication, such as occurs in cancer, can be controlled," he said.

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