

**Mayo Clinic Medical Edge**

**Mosquito Molecule**

1:00

**Log**

**Audio**

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<b>Log</b>	<b>Audio</b>
<b>Intro with music</b>	GIVING YOU THE EDGE ON HEALTHY LIVING, HERE'S MAYO CLINIC MEDICAL EDGE.
	FOR MOST OF US, MOSQUITOE'S ARE JUST AN ANNOYANCE. BUT AROUND THE GLOBE, THEY'RE PROLIFIC KILLERS. MORE THAN A MILLION PEOPLE DIE EACH YEAR FROM MALARIA, A MOSQUITO BORNE DISEASE. UNFORTUNATELY, PESTICIDES USED TO KILL THE MALARIA MOSQUITO CAN ALSO SICKEN; EVEN KILL HUMANS AND OTHER MAMMALS. BUT RESEARCHERS AT MAYO CLINIC MAY HAVE IDENTIFIED A BETTER WAY. IT HAS TO DO WITH DISRUPTING CERTAIN

	MOLECULES IN THE MOSQUITO.
<b>Yuan-Ping Pang, Ph.D.</b> <b>Mayo Clinic</b>	“THIS CAN BE USED TO DEVELOP NEW PESTICIDES THAT ARE TOXIC ONLY TO THE MOSQUITO, NOT TO HUMANS AND NOT TO OTHER MAMMALS.”
	DR. YUAN-PING PANG HAS DESIGNED A SUPER COMPUTER TO HELP HIM CONVERT GENETIC INFORMATION AND MAP OUT THE MOLECULES THAT ARE ESSENTIAL TO THE LIFE OF THE MOSQUITO.
	DR. PANG BELIEVES THAT THIS GENETIC TECHNOLOGY MAY MEAN LIFE FOR THE MILLIONS OF PEOPLE AT RISK OF DYING FROM MALARIA. FOR MEDICAL EDGE, I’M VIVIEN WILLIAMS.