

A New Antibiotic

Taylor Turner, an undergraduate in biotechnology, spends time in his professor's lab hoping to find the key to killing bacteria without using antibiotics. His experiments have propelled him toward an enormous future in medicine.

"If everything goes well, I'll have a Bachelor's, two years of a Master's, and ten years of MD/PhD. That many years of schooling is ridiculous in a lot of people's eyes, but I enjoy it," Turner says.

Dr. Pitt, professor of Chemical Engineering, allows Turner full reign of his lab as a colleague. Turner is looking for the perfect threshold of electrical current, without damaging the human tissue around it, to kill bacteria that develop on artificial implants (such as hip replacements, organs, etc.).



Taylor Turner, a senior in Biotechnology, plans to contribute to the development of a new form of "antibiotic": electric current.

"When I started this," says Turner, "I screwed it up over and over again, and Dr. Pitt would start to formulate some ideas for me. Now we just meet once a week and he says, 'So, what's been going on?'"

Turner's original plan was simply to attend medical school. Now he is enthralled by the opportunities he will have in both medicine *and* research.

Turner and Pitt recognize this project would not exist without a generous donation from Sandra Phillips and Don Aslett, of InHomeVations.

"If we hadn't been funded...the project we're talking about today wouldn't be done," says Turner with a huge grin.

Every student needs an amazing opportunity. Fortunately, Taylor Turner has one.

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