# New hypothesis: Why bacteria are becoming incre...

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antibiotics posted on: march 7, 2" Share / Sa According to his th said resistance accid resistant, due to the : A University of Grar an enigma that the : which could revolt becoming increasing the use of antibiotic because they take up Mohammed Bakkali our abuse of antibiotics, because they take up Mohammed Bakkali our abuse of antibiotics. Some much more antibiotics". For decades, scientis DNA from other anti- uptake (in unfavoura	D13 - 2:30pm ve i i i i i i i i i i i i i i i i i i i	ated a new hypothesis concern still not been able to solve a cal industry: Why are bacto otics? His work has revealed t stant bacteria to become resist	ire are ing dria hat ant f Science of the UGR, ere bacteria that are rese According to the resea n ingesting this DNA o when we make an a when, how and why be the answers as to when ria take it up are clear,	maintains that istant to said rcher, "In this and can even pusive use of cteria take up there is DNA but, up until	<ul> <li>Popular Today:</li> <li>Weight loss linked to higher implanted defibililators</li> <li>Government investment in recreates a record \$257 billion</li> <li>Earth is warmer today than d the past 11,000 years</li> </ul>	and among toxic risk with enewable energy industry
his DNA will be da:	ngerous, or even lethal.					
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This image shows a petri dish with bacterial colonies growing in a hazardous substrate.					resistant to antibiotics  Stressed' bacteria become resistant to antibiotics	
(Photo Credit: University of Granada)					<ul> <li>Stressed' bacteria become resistant to antibiotics</li> <li>E. coli bacteria more likely to develop resistance after exposure to low levels of antibiotics</li> <li>New antibiotic shows promise in killing drug-resistant bacteria</li> <li>Antibiotic-resistant bacteria have evolved a unique chemical mechanism, new discovery reveals</li> </ul>	
They do not want that DNA, because they break it up						
In his article, Mohammed Bakkali argues that, in reality, bacteria do not look for DNA to takeup (they appear not to 'want' this DNA, since they are constantly degrading it; in other words, breaking it up) and that this uptake is a chance event and the sub-product of a type of bacterial motility that is part of its response to the stress that the bacteria may be subjected to.						
Therefore, our current the bacteria take up subjects them to". ' material that can brin DNA nor become re	indiscriminate use of ant more DNA, due to thei The result is that the str ng about resistance to the	ibiotics "not only selects the r r increased motility in respo ess caused by the antibiotic antibiotic bybacteria that, oth Furthermore, this effect is str in other bacteria.	nse to the stress that itself induces the upta erwise, would not have	the antibiotic ke of genetic taken up that		
could have died due	to another environmenta	ium takes up DNA from anotl l factor), the bacterium that t ing to their arsenal of resista	akes it up becomes re	sistant to that		

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resistant to a wide range of them, such as is the case of the multi-resistant strain of a staphylococcus, called Staphylococcus aurius, which creates havoc in many operating theatres.

Source: University of Granada

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