Conversations with a Killer Bacterium

Identifying new targets of Quorum Sensing sRNAs in *Vibrio cholerae*

Joseph Elsherbinin

Dr. Brian Hammer
The Herald
Cholera hits city suburbs

AU official calls for speedy resolution of conflicts

Teenager accused of raping mayor’s daughter
Contaminated water collection

http://www.daylife.com/photo/0dxX5ya7VH1Vv
Wait fellas, just be patient. Muahahaha
Alright Gang!

Let's get busy!

Attack!

Signal Molecules
Signal Molecules

V. cholerae

Toxin
Red cell w/ sRNA and vir
The central dogma: DNA > RNA > protein
Quorum Sensing sRNA

Ribosome Binding Site

V. cholerae TOXIN (mRNA)
Signal Molecules

V. cholerae

sRNA

Toxin

Light
There's too much noise!

What was that?

I can't hear you!

Altered Signal