



System And Assay For Monitoring Production/Release Of Membrane-Lytic Toxins In Bacteria And Compounds For Modulating Same

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The Invention

The present technology from UW Madison innovators provides a system for monitoring quorum-sensing in bacteria comprising bacteria that release at least one membrane-lytic toxin when the bacteria are at a quorum-sensing density; synthetic lipid vesicles comprising an environmentally sensitive indicator, wherein the synthetic lipid vesicles release the environmentally sensitive dye in the presence of an effective amount of the membrane-lytic toxins; and a growth medium; wherein the bacteria and synthetic lipid vesicles are in contact with the growth medium. Methods using the system and compounds discovered with the system (e.g., compounds of Formulas I and II) are also disclosed.

Additional Information

For More Information About the Inventors

- [Helen Blackwell](#)

Tech Fields

- [Therapeutics & Vaccines : Anti-infectives \(antibacterials, antifungals, antivirals\)](#)

For current licensing status, please contact Rafael Diaz at rdiaz@warf.org or 608-960-9847