

# MAURY STRAUSS DISTINGUISHED PUBLIC LECTURE

Presented by the Fralin Biomedical Research Institute at VTC



## BONNIE BASSLER, Ph.D.

Howard Hughes Medical Institute Investigator, the Squibb Professor in Molecular Biology, and Chair of the Department of Molecular Biology at Princeton University and the Howard Hughes Medical Institute

## *Tiny Conspiracies: Cell-to-Cell Communication in Bacteria*

Bacteria are tiny ancient organisms. Harmful bacteria have the capacity to kill humans, animals, and plants. How do bacteria do it? The answer is that bacteria work in groups: They communicate, count their numbers, and act as collectives to carry out processes that would be unproductive if undertaken by an individual bacterium acting alone. Current biomedical research seeks to interfere with bacterial communication as a strategy to combat globally-important bacterial pathogens. In this virtual distinguished public lecture, Dr. Bassler will describe how bacteria communicate and interact with each other through a phenomena called quorum sensing.

THURSDAY, SEPT. 3, at 5:30 p.m.

This virtual lecture will be webcast live at [fbri.vtc.vt.edu/live-webcast](http://fbri.vtc.vt.edu/live-webcast). Attendees can also register through our website to access a Zoom link for this presentation.



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