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The Herald-Times

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18-year-old shot dead

Man taken into custody at scene faces preliminary charge of reckless homicide

HFD Bloomington police officer Dirk Bennett stands outside a home at 2906 Carolina Drive, where a person was killed Tuesday. Visit HeraldTimesOnline.com to watch a video from the scene in which police monitor the Carolina Drive area.

By Abby Deming

One teenagers is dead and another has been arrested following a shooting Tuesday afternoon at a residence near Home on Bloomington's southeast side.

Anthony Anderson, 18, died at his residence from an apparent gunshot wound to the neck, Monroe County Coroner Jason Shields reported Tuesday night.

Malik Parker, 18, was taken into custody at the scene and is being a preliminary charge of reckless homicide, he was booked into the Monroe County Jail Tuesday night.

Bloomington Police Department officers were sent to the home in the 2900 block of Carolina Drive at 2:40 p.m. Tuesday in response to a 911 call reporting the shooting, according to a report at the scene. HFD Capt. Steve Sullivan.

Officers found Anderson in the bathroom of the home, bleeding from a single gunshot wound to the chest. Officers have

SEE SHOOTING, PAGE 4A

IU researchers fight 'superbugs'

Cell division study could help battle against multidrug-resistant bacteria

By Michael Sneckles

A new study showing how cells divide could help advance the fight against antibiotic-resistant bacteria commonly referred to as "superbugs."

The study published this month in the journal Science, determined how the process for cells cell wall construction is controlled. This understanding could lead to the design of new antibiotics that disrupt processes that's critical to bacteria's survival.

SELF

The inside of a cells walls are ordered in clots of proteins, said Yves Brun, a biology professor at Indiana University and a co-author of the study. Before a cell can divide, new walls must be built to prevent bacteria from spilling out.

"Scientists know these parts of the cell — proteins that build the previous, as well as two cytoskeletal proteins known as Ftsz and Ftsa — played a role in cell division prior to this study. What they didn't know was how these cytoskeletal proteins and proteins that build proteins were connected.

Brun said the existence of a construction site to explain their relationships. He said the proteins building proteins are the workers that perform the actual construction, while FtsZ is in charge of them.

"What this paper says is that FtsZ is connecting that action of building a wall at the right place at the right time," he said.

Researchers were able to see this double-to high-tech, multi-colored dyes called fluorescent IU unites cells, and FtsZ is discovered by people appointed the lab of Michael Vollmer, author, an IU chemistry professor who is also a co-author of the study. The scientists have established that the pattern indicating this location will is built from the edge of the cell and to the center herself.

It also showed that FtsZ guides the wall-building proteins finding process in this process through a circular motion the scientists refer to as circumferiding. This same way you place because FtsZ is organized in a chain that moves continuously, losing a molecule at one end and gaining a molecule at the other end.

FtsZ FILAMENT

"This informal relationship potential is sufficient the problem of superbugs is Bacteria that have become resistant to common antibiotics. For instance, penicillin targets proteins that building proteins, breaking them into bits to with the drug, rather than the building blocks of the cell walls. Over time, some bacteria evolved to avoid killing for this trick.

Understanding what else goes into the building of cell walls could lead to new drugs that target a different part of the process.

SEE SUPERBUGS, PAGE 4A

Essay winners tell 'Her-Story'

By Brittany Howell

When Deonda Nanda made to think of something encouraging, the Tillotson junior High School North freshman thinks about Michelle Obama.

In her winning essay for the city's 2021 Black History Month Essay Contest, Nanda wrote about Obama's hard work at Princeton and Harvard universities, and about living with a father diagnosed with multiple sclerosis. It couldn't have been easy, Nanda wrote, but nevertheless, the president.

"Even though she was some one who encountered gender bias on a regular basis, Obama did not allow negative comments to affect her mindset," Nanda Tonya Cannon, Nanda's seventh-grade teacher, said in her essay at the Tuesday evening reception held for many contest winners.

Read the essays

HFD Read the students' best place essays with the stories online at HeraldTimesOnline.com.

Nanda was among three students recognized at the reception and among three Clear place winners.

SEE ESSAY, PAGE 5A

Deonda Nanda talks with her mother Melissa on the bleachers, in a straight line ceremony Tuesday for winners of the Black History Month essay contest. Nanda, a freshman at Bloomington High School North, won the seventh-grade division.

A lifetime of achievement for Bergeson

Jim Bergeson recognized for tackling big projects

By Brittany Howell

Jim Bergeson says he never helpful tool for staying organized in the Monroe County Community School Corp's director of secondary education is a little pink pad of sticky notes.

The notepad is rarely out of his hand, a fact her colleagues point out with humor, they said. But if any of her coworkers need to know what was said at a meeting, they know Bergeson is the person to ask.

"She's known for taking copious notes and becoming exactly what we called about in every meeting, because she's got it written down," said Carol Gardiner, guest speaker at the DCSC.

Jim Bergeson, the DCSC lifetime achievement award winner, is retiring at the DCSC's Gala.

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