

Applied Mathematics Seminar

Prof. Lora Bailey, GVSU Math



Friday, Feb 18 1-1:50pm

MAK B2124 or [via zoom](#) (request password from ortizron at gvsu dot edu)

How the structure of cancer can inform individualized cancer treatment

Abstract: Cancer is a complex, many-faceted beast that can be infuriatingly difficult to treat. Incredible progress has been made, but there is still much to learn about the exact workings of different cancers and the best way to treat them. In this talk, we'll examine healthy networks of cells, and look at the different ways cancer can corrupt those healthy cell networks. We can show mathematically that all cancer does not behave the same way, and how different types of treatment may be more effective for specific types of cancer based on their structure. The mathematical tools used include differential equations, but no prior knowledge is required.

More info: <http://bit.ly/applied-math-seminar>