

## **ABSTRACT**

This project focuses on the topic of understanding and modeling biofilm growth as part of an initiation to discover ways to better limit the virulence of certain biofilms that grow in the human body, and on medical implants and devices. Specifically, this project is about analyzing the ability of computer-based modeling systems such as iDynoMics to accurately describe the growth of bacterial species in real experiments in both batch culturing and chemostat settings.

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