

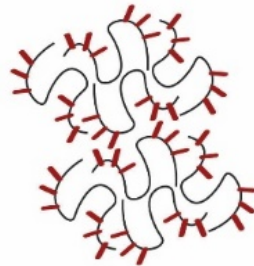
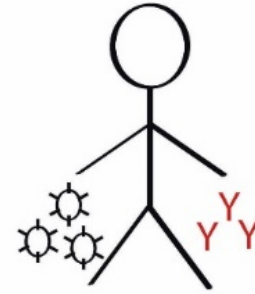
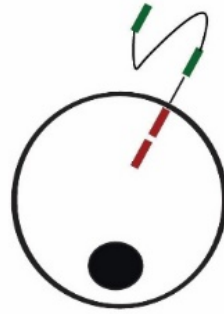
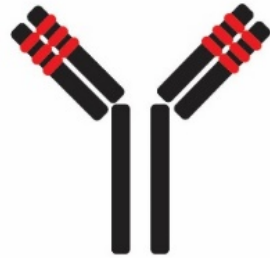
Modulation of events that occur at the biomaterials-immune cells- staphylococcus interface

Ph.D. Topic for Sept. 2020

Laboratories of Siddharth Jhunjunwala (BSSE) and B. Gopal (MBU)

Siddharth Jhunjhunwala's Laboratory works on -

modulating immune responses to biomaterial implants



S. Jhunjhunwala. *J Ind. Insti. Sci.* (2018)

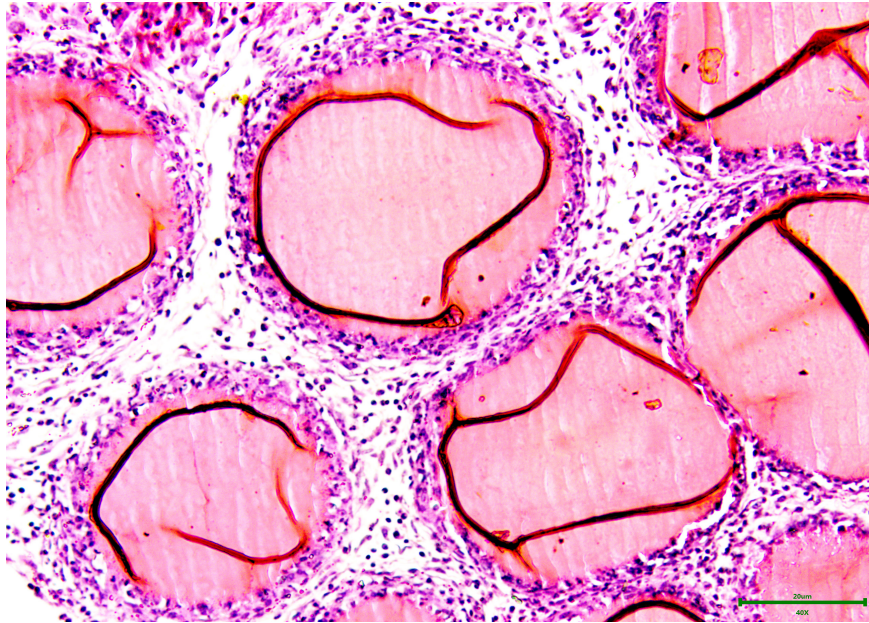
B. Gopal's Laboratory works on -

molecular microbiology with an interest in understanding how microbes colonize biomaterial surfaces

More information is available here

http://mbu.iisc.ac.in/~bggrp/index_files/Page385.htm

What will this project entail -



Immune reaction around a biomaterial

Questions:

1. Why do some biomaterials get colonized with microbes but others don't?
2. What is the trigger for microbes to form biofilms
3. How does the immune system respond against the multiple stimuli it perceives?