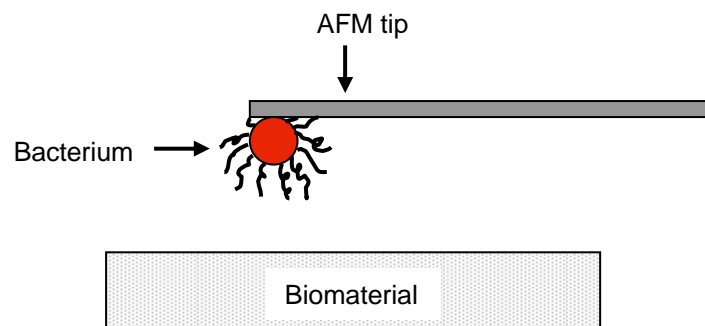


Project /PhD thesis

Microbiology/Physico-chemistry

Topic: Bacterial interaction forces determined by atomic force microscopy



Project description: AFM can be used for many possibilities other than imaging. One possibility is to measure interaction forces between bacteria and biomaterials surfaces. These interaction forces are in the nN-range and responsible for bacterial adhesion, and subsequent biofilm growth, the number one cause of failure of biomaterials-implant. In this project, a number of bacterial strains will be employed to unravel the nature of their interaction forces with biomaterials surfaces.

Type of work: experimental

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