

University of Groningen

Bacterial interactions with nanostructured surfaces

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Stellingen

Behorend bij het proefschrift

"Bacterial interactions with nanostructured surfaces"

1. Bacterial adhesion is a multi-factorial process, including but not limited to physical, chemical and biological phenomena.
2. Slight rinsing and washing artefacts involving a passing liquid-air interface, have caused many studies to erroneously conclude that nanostructured surfaces not possessing an artificial air layer, are non-adhesive to bacteria. (this thesis)
3. Antimicrobial coatings are more effective when applied on nanostructured surfaces. (this thesis)
4. Nanostructures induce EPS production by adhering bacteria under pressure. (this thesis)
5. There is a direct correlation between bacterial transmission and bacterial adhesion forces on surfaces. (this thesis)
6. Superhydrophobic surfaces reduce bacterial interaction. (this thesis)
7. Rules and principles bring discipline, which then leads one to success.
8. Every success is the result of a previous suffering, tension(strain) and move; it is also the reason and the beginning of a forecoming success as long as the one who reaches the result does not sink into a lethargy.
9. The existence of gravity is not enough to cause an apple to fall until it gets released.
10. If knowledge does not fade into an action, it is fated to fade away.
11. When knowledge meets kindness, it reaches to a stunning depth.

12. Not only penniless is poverty, but also ignorance, thoughtless and unskilled; as such, it is considered that a rich one who is ignorant, clueless and artless is also poor.
13. Yesterday I was clever, so I wanted to change the world. Today I am wise, so I am changing myself. (Rumi)