EPS and water in biofilms

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Stellingen

Behorend bij het proefschrift

"EPS and Water in Biofilms"

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12th December, 2018

1. Biofilms can not be completely removed from a surface by mechanical forces. (This thesis)
2. EPS production is the beginning of a biofilm formation. (This thesis)
3. Transport and storage of water in channels and pores in a biofilm matrix are vital for biofilm survival. (This thesis)
4. During biofilm deformation and relaxation, water flows in and out of the biofilm matrix through channels. (This thesis)
5. When subjected to mechanical stimuli, biofilms grown under low hydrodynamic shear produce more EPS than when grown under high hydrodynamic shear. (This thesis)
6. Optical coherence tomography allows to quantify volumetric bacterial densities in biofilms in a real-time and non-destructive way. (This thesis)
7. Overlooked experimental details can make an entire study meaningless.
8. Data are meaningless, unless properly related.
9. Do not throw away unexpected results: they will lead you to the most interesting answers.
10. Hard working makes you a robot, but creative thinking-makes you a PhD.
11. Sometimes we forget, how many helpful hands are around us.