

University of Groningen

Efficacy studies on diblock copolymers for immunoprotective alginate-based microcapsules

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Stellingen

behorende tot het proefschrift

verdedigd door Milica Spasojević op---

1. Seemingly minor variations in the encapsulation procedure have a large impact on the capsule properties with extreme consequences for the enveloped cells and for biocompatibility. (Chapter 2, 3, 5 and 6)
2. High-G capsules provoke stronger inflammatory response than intermediate-G capsules. (Chapter 2)
3. Short PLL and PEG blocks of PEG-b-PLL diblock copolymers cannot be used for formation of stable microcapsules. (Chapter 3)
4. Unlike molecular weights determined by $^1\text{H-NMR}$, molecular weights obtained via GPC are not reliable. (Chapter 4)
5. Short incubation times in the PEG-b-PLL copolymer solutions are not sufficient to form a stable immunoprotective membrane on the capsule's surface. (Chapter 5 and 6)
6. Additional PEG-b-PLL layers can improve biocompatibility of alginate-PLL capsules. (Chapter 6)
7. PhD research is a labyrinth crowded with choices of paths and directions but only few lead efficiently to the way out. Wandering along wrong ways and finding the right is a matter of inherent capabilities as well as of the appropriate guidance and luck.
8. If you come from a country where saying NO to a superior is inappropriate it is more difficult to survive the PhD period in the Netherlands.
9. By living in Groningen you read more books than in any other place in The Netherlands. Groningen is far away from everywhere which gives you an opportunity to read loads of books in the train while traveling to another places.
10. Lot of foreigners who spent some time in Groningen did not visit Martini tower since that should be an excuse to come to Groningen again. I visited it twice!
11. Europa would have a different economy if the north had the climate of the south!