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Unravelling the sugar-coating of prostate-specific antigen : method development and its application to prostate cancer research

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UNRAVELLING THE SUGAR-COATING OF PROSTATE-SPECIFIC ANTIGEN

METHOD DEVELOPMENT AND ITS APPLICATION TO PROSTATE CANCER RESEARCH

GERRITJE STEVINA MARGARETHA KAMMEIJER

1. CE-ESI-MS is a very powerful technique for the characterization *N*-glycans and glycopeptides.
This thesis
2. The 167 identified *N*-glycans in total plasma is just the tip of the iceberg.
This thesis
3. The urinary PSA *N*-glycome is unaffected by prostate cancer.
This thesis
4. One cannot search for the deviation before the baseline is found.
This thesis
5. High throughput is not always better than low throughput as small alterations can be missed.
6. My parents were right, sugar is killing (or at least it has a correlation).
7. Personalized medicine is the future for patient stratification and will lead to better patient outcomes.
8. Translation from the lab to the clinics is still underappreciated.
9. Most studies start with a single question or hypothesis and often lead to more questions rather than to a single result.
10. Even a cat will not always fall onto his feet in vacuum.
11. Team work divides the task and multiplies the success.
12. Searching for an answer while the question has not been clearly phrased results in inefficient research.

