



Universiteit
Leiden
The Netherlands

Multilayer cancer glycomics

Wang, D.

Citation

Wang, D. (2023, May 17). *Multilayer cancer glycomics*. Retrieved from <https://hdl.handle.net/1887/3618440>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3618440>

Note: To cite this publication please use the final published version (if applicable).

Stellingen behorend bij het proefschrift getiteld

MULTILAYER CANCER GLYCOMICS

1. Altered glycosylation is a disease-specific feature, thus investigation of glycomic profiles may reveal specific glycans that can be used for diagnosis or as treatment targets. (*This thesis*)
2. The combination of glycomic and transcriptomic datasets provides insight into the regulatory mechanisms of glycans in diseases. (*This thesis*)
3. To confirm a glycan structure from a biological sample, glycan standards are needed. (*This thesis*)
4. Well-performing instrumentation and PGC columns are important for the progress of the project. (*This thesis*)
5. Every method has its own advantages and disadvantages but all combined provide a comprehensive picture.
6. An automatic tool is needed that allows a faster and more accurate elucidation of a glycomic profile of biological samples.
7. The exploration of the regulation of glycan biosynthesis is a promising approach for clinical biomarker discovery.
8. Purification is the main challenge of studying the glycan profiles of primary AML cells.
9. Awareness of technological limitations is essential for scientific progress.
10. Support and encouragement from teammates are important during the exploration of an unknown world.
11. Acceptance of failure in your study is a good starting point to discover the reason behind it.
12. It may take a long time for research results to achieve benefit for society.