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Discovery and characterization of new glucosylated metabolites: pathophysiological consequences

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Stellingen
Behorende bij het proefschrift
Discovery and characterization of new glycosylated metabolites:
pathophysiological consequences

1. **Lipidomics with LC-MS/MS and the use of ¹³C-labeled glycosylated lipid standards allows quantification of new glycosylated metabolites.**
This thesis, [Chapter 2, 3, 4 and 5](#)
2. **Breast milk contains glycosylated compounds that are expected to be essential for healthy growing babies.**
This thesis, [Chapter 2](#)
3. **Glycosylated desmosterol is made in men, when its essence is unraveled it could surprise us.**
This thesis, [Chapter 3](#)
4. **Glycosylated or not, 7-dehydrocholesterol will be converted by UVB light.**
This thesis, [Chapter 4](#)
5. **Next to being a degrader, GBA3 functions also as creator.**
This thesis, [Chapter 5](#)
6. **A better 'Transbody' might be key for untargeted discovery of glycosylated metabolites.**
This thesis, [Chapter 6](#)
7. **Biology and chemistry together, is more than just biochemistry.**
8. **Creative science will solve scientific questions, but also will generate novel ones (and thereby new research).**
9. **Metabolomics and lipidomics, next to genomics, proteomics and transcriptomics, will complement future biological and biochemical research.**
10. **Organic chemistry can assist metabolomics and/or biochemistry in general, by creating novel tools for biological questions.**
11. **Bringing together different levels of education can create beautiful learning communities, enhancing specific talents and skills of each MBO, HBO and WO scientists.**
12. **Cooperation between companies and educational institutes enhances innovation in Bio Science**

H.N.J. Meijer
Leiden, November 2nd, 2023