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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 glucosylated metabolites: pathophysiological consequences

1. **Lipidomics with LC-MS/MS and the use of ^{13}C-labeled glucosylated lipid standards allows quantification of new glucosylated metabolites.**
   This thesis, **Chapter 2, 3, 4 and 5**

2. **Breast milk contains glucosylated compounds that are expected to be essential for healthy growing babies.**
   This thesis, **Chapter 2**

3. **Glucosylated desmosterol is made in men, when its essence is unraveled it could surprise us.**
   This thesis, **Chapter 3**

4. **Glucosylated 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