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## Unraveling proteoform complexity by native liquid chromatography-mass spectrometry

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Stellingen behorend bij het proefschrift getiteld

## **Unraveling proteoform complexity by native liquid chromatography-mass spectrometry**

1. While biotherapeutics often have predictable PTM profiles, industrial enzymes keep surprising with the presence of rare modifications.  
*this thesis*
2. Not every question requires the use of state-of-the-art technologies. Sometimes a simple SDS-PAGE gel provides you with the answers you need.  
*this thesis*
3. To ensure protein functionality at the end of the workflow, the effect of each step should be examined, from sample preparation to fraction collection.  
*this thesis*
4. Maximizing separation power does not guarantee elution of a single protein species, potentially hampering the (confident) determination of structure-function relationships.  
*this thesis*
5. There is more to hyphenation than connecting two parts.
6. BAC shows great potential to assess glycation. Nevertheless, deeper insights into the retention mechanism of proteins are needed.
7. There is no universal method for achieving complete protein characterization, but rather a combination of multiple analytical techniques is required.
8. Synonyms of boring: dull, tiresome, monotonous, manual fraction collection.
9. Data visualization is a form of art.
10. Starting with a clear project description leads to more efficient research.
11. If PhD research is a party, you have to make sure to decorate it festively.