

Bioinformatics Program  
Technical University of Munich  
Ludwig-Maximilians-Universität München

Bachelor's Thesis in Bioinformatics

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**Expanding De Novo Peptide  
Sequencing to TMT Proteomics Data  
including post translational  
modifications to Uncover Biological  
Insights Beyond Database-driven  
Searches**

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TMT Proteomics Data including post  
translational modifications to Uncover  
Biological Insights Beyond Database-driven  
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**Erweiterung transformerbasierter  
De-novo-Peptidsequenzierung mit  
Post-translationalen Modifikationen auf  
TMT-Proteomdaten zum Erkenntnisgewinn  
jenseits klassischer Datenbanksuchen**

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