

Gel-free proteomics of *Staphylococcus aureus*

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The project provides an analytical platform for the whole SFB-TR initiative. Within the project, we will adapt state-of-the-art labelling and separation technologies for the gel-free analysis of the proteomes of staphylococci and host cells. However, the project will not be confined to the adaptation of existing methods but will also provide new technologies. This setup will allow comprehensive proteome comparisons and monitoring of post-translational modifications and protein degradation. Furthermore, it will provide access to important protein groups, which have thus far only been insufficiently covered (e.g., membrane and cell surface proteins).