



## Post Doc Position in Yeast membrane engineering at Chalmers University of Technology

### Job description

The main task of the post doc will be to work with cell factory design in *Saccharomyces cerevisiae*. The target for the work will be to construct strains with altered membrane properties ultimately aiming at changing the cellular membrane permeability towards lignocellulose-derived inhibitors. The work will include to define strategies for introducing changes in membrane lipid composition and construct strains. Deeper investigations on cell membrane composition and membrane properties will also be performed. The project will be in collaboration with a computational chemist that will perform simulations of lipid bilayers to support the targets for changed membrane composition as well as support the interpretation of experimental results.

### Qualifications

The successful candidate will have an outstanding academic track record and have published first authored papers in internationally recognized peer-reviewed journals. Important qualities are enthusiasm, to be able to drive and conclude projects independently, take own initiatives and discuss/develop own ideas, be creative and have a problem-solving ability. The project is in collaboration with other researchers and thus excellent cooperation and social abilities are highly important. Good communication skills in English are necessary as English is the primary language in our laboratory. If Swedish is not your native language, Chalmers can offer Swedish courses.

### Application procedure

The application should be marked with Ref 20160597 and written in English. The application should be sent electronically through the recruitment portal, under Chalmers Vacancies page:

<http://www.chalmers.se/en/about-chalmers/vacancies/Pages/default.aspx>

