



Two Research Positions

Yeast Mating and Recombination

The yeast *Pichia pastoris* is a valuable resource both for basic research and for applications in protein engineering and protein production. Many valuable research tools have been developed for *P. pastoris* over the last years, including genetic manipulation, an annotated genome sequence and transcriptomic and proteomic methods. However as for most non-conventional yeasts there is a lack of basic understanding of physiology and genetics.

To close one gap we will explore mating and recombination in *P. pastoris* towards fundamental understanding of these processes, and apply the gained knowledge for strain engineering. One example will be the generation of large libraries for protein engineering.

1 Post Doc position

Tasks:

Yeast mating: comparative genomics of yeast mating, analysis of mating with mutant strains, creation of an efficient mating toolbox and application to library generation.



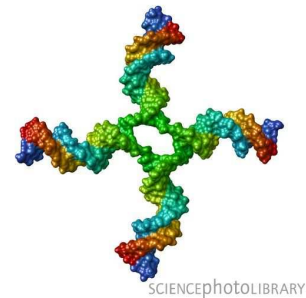
Desired Background:

PhD in genetics, biochemistry or biotechnology with a thorough understanding of yeast genetics. Practical knowledge in yeast mating desired.

1 PhD position

Tasks:

Homologous and heterologous recombination in *P. pastoris*.
Generation of recombination mutants and their analysis.
Application to a library.



Desired Background:

Diploma/Master in biology, biotechnology or a related discipline. Deep knowledge of yeast biology and genetics. Practical experience in molecular biology work needed; experience in yeast research desired.

Interested?

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