

1. Company



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2. Core Competences

PomBioTech GmbH was founded in April 2006 by management consultant Dr. Armin Laux and biochemist Dr. Matthias Bureik; it is a *spin-off* of the Department of Biochemistry (chair: Prof. Rita Bernhardt) at Saarland University. The business domain of PomBioTech is the development and application of biotechnological processes based on the use of recombinant fission yeasts of the species *Schizosaccharomyces pombe* (from which the name of our company is derived). Using this yeast we have created a patented platform for the realisation of whole cell biotransformations using fission yeast strains that recombinantly express human (and other mammalian) **cytochrome P450 enzymes** (P450s); these include both drug metabolizing and steroidogenic P450s. Fermentation facilities and exhaustive analytical services are available. In addition to this, PomBioTech offers custom made fission yeast strains that are specifically tailored to meet your need. When dealing with proteins that are difficult to express functionally in other microbes, fission yeast *S. pombe* has in many instances turned out to be a suited model system in our hands. At comparatively low cost the PomBioTech researchers will make a proof-of-concept study to check whether your protein of interest can be functionally produced by recombinant *S. pombe*. Our offers include

- Custom production of P450 metabolites (up to the gram scale)
- P450 inhibitor testing
- Strain development

3. Cooperations offered and requested

- Offered: Contract research on a fee-for-service basis
- Requested: R & D cooperations