

**Abstract**

Biopetrolia AB ([www.biopetrolia.com](http://www.biopetrolia.com)) is a startup company that seeks to deliver solutions to various industrial production problems via our yeast-based fermentation technology. We aim to use our technology to facilitate production of important ingredients across a variety of market segments such as flavours, fragrances, nutraceuticals, cosmetics and biofuels.

Biopetrolia's technology relies on several "platform" yeast strains that are engineered for high-level production of important precursors for different products, including fatty acids, polyamines and proteins. Such strains allow for rapid development of production processes for products synthesized from these precursors by introduction of specialized enzymes ("plug and play"). In addition, we make use of a number of advanced systems and synthetic biology tools to accelerate strain engineering. The presentation will highlight Biopetrolia's technology platform across a number of case studies.