

Michael D. Lynch

Chief Scientific Officer, OPX Biotechnologies

Mike is one of the founders of OPXBIO and currently serving as CSO. Mike received an A.B. in anthropology as well as a B.S. and M.S. in biomedical engineering from Washington University in St. Louis, followed by a Ph.D. in chemical and biological engineering from the University of Colorado in 2005 and an M.D. from the University of Colorado Health Sciences Center in 2007. Mike has nearly a decade of research experience in the life sciences, including the fields of molecular biology, protein thermodynamics, microbiology, and metabolic engineering, and is the primary inventor behind OPXBIO's platform technologies.

Title: Engineering of Microbes for Chemicals Production.

Abstract: The advancement of microbial processes for the production of renewable chemicals and fuels is of growing interest due to economic, environmental and political concerns. Synthetic biology and metabolic engineering approaches are now taken to expand the possibilities of chemical and fuel products using microbial-based processes. However, novel pathways for the production of new products often rely on numerous genetic modifications required to achieve commercially relevant rates, titers and yields in fermentation processes. OPXBIO utilizes its EDGE (Efficiency Directed Genome Engineering) technology to rapidly design and optimize commercial ready microbes.

Michael D. Lynch, OPXBIO mlynch@opxbio.com