

Introduction



An automated, high-throughput platform for gene assembly, amplification, transformation, strain growth, and metabolite analysis enables the production of bio-based monomers and polymers with precise repeat units, domains and chirality directly from microorganisms. By providing an equipment set focused on automation, control, and high-throughput pathway assembly at the gene level and metabolite detection at the cellular level, the Living Bioreactor will enable biosynthetic manufacturing of commodity monomers and polymers.

Supervisor	email
Michael Lake	mlake@cnsi.ucla.edu
Ikechukwu Okorafor	iokorafor@cnsi.ucla.edu

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