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PNNL-SA-163493

Expanding the Composition of Polyhydroxyalkanoates Produced by an Industrial Host

CRADA 505

June 2021

Beth A Hofstad

Danimer Scientific

Alliance for Sustainable Energy, LLC (NREL)

U.S. DEPARTMENT OF ENERGY

Prepared for the U.S. Department of Energy
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Abstract

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Abstract

The Agile BioFoundry (ABF) is a multi-national lab consortium funded by the Department of Energy's Bioenergy Technologies Office that has developed a biofoundry that enables the rapid deployment of bioproducts into the market. Working with two ABF laboratory members (National Renewable Energy Laboratory (NREL) and Pacific Northwest National Laboratory (PNNL), Danimer will develop bacterial strains to produce PHAs with different compositions aimed at expanding Danimer's product offerings. This project will enable the ABF to contribute to the development of a high-profile, commercial product that falls squarely in the DOE mission space and has strong potential to have meaningful benefit both to the US economy and the environment.

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