



U.S. DEPARTMENT OF ENERGY
AlgaePrize
NextGen Algal Innovators

Team Name:

Keep Calm and Chlamy On

Team Schools/Organizations:

University of California San Diego, La Jolla, CA

Abstract:

This project focuses on developing a food-grade, commercially viable TPU coating for single-use food packaging/containers that is both fully bio-based and fully biodegradable. We will develop this system at a scale to produce at least 50 food containers per day. However, this is a scalable process and 50/day is not the terminal goal of this development. We will test our products to ensure they meet and exceed the legal standards of timely and complete biodegradation, and demonstrate their commercial viability, specifically in replacing current single use dishes without sacrificing quality.

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