



## 2013 Fellowship Grants

### Feedstock Engineering, Plant Biotechnology & Crop Science

**Fellowship Project:** Replisome Engineering in *Synechococcus* for Improved Recombineering Efficiencies

Awardee: Hanna Aucoin

Advising Principal Investigator: Naneette Boyle

C2B2 Institution: Colorado School of Mines

**Fellowship Project:** Reducing Protein Cross-linking in Plant Cell Walls to Improve Biofuel Production

Awardee: Margaret Fleming

Advising Principal Investigator: Patricia Bedinger

C2B2 Institution: Colorado State University

**Fellowship Project:** Lignin Levers: Translating the Role of OsVOZ Transcription Factors in Lignin Biosynthesis for Improved and Sustainable Feedstocks

Awardee: Jillian Lang

Advising Principal Investigator: Jan E. Leach

C2B2 Institution: Colorado State University

### Biochemical Engineering

**Fellowship Project:** Overexpression of Abscisic Acid-Related Genes in Chlorophyta Species

Awardee: Mario Aguiar

Advising Principal Investigator: Ken Reardon

C2B2 Institution: Colorado State University

**Fellowship Project:** Enhanced Cellulase Stability in Ionic Liquids via Library-Scale Computational Protein Design

Awardee: Lucas Johnson

Advising Principal Investigator: Christopher Snow

C2B2 Institution: Colorado State University

**Fellowship Project:** Functional Genomics of Hybridvigor During Fermentation

Awardee: Nadia Sampaio

Advising Principal Investigator: Lucas J. Argueso

C2B2 Institution: Colorado State University

### Thermochemical Engineering

**Fellowship Project:** Hydrogenation of Biomass-Derived Oxygenates Using Ni-Based Catalysts

Awardee: Simon Pang

Advising Principal Investigator: Will Medlin

C2B2 Institution: University of Colorado

*Process Engineering*

**Fellowship Project:** "Tuning" Microbial Fuel Cell Community Metabolism for Separations in Bio-Succinic Acid Production

Awardee: Jeremy Chignell

Advising Principal Investigator: Ken Reardon

C2B2 Institution: Colorado State University

**Fellowship Project:** Developing a Method for Efficient Catalyst Screening and Design

Awardee: Matthew Montemore

Advising Principal Investigator: Will Medlin

C2B2 Institution: University of Colorado