

2013 UMaine FBRI REU Student-Mentor Pairs and Projects

Student	Mentor/s	Project Title
Raquel Auwae	Peter van Walsum	Applying wood-derived organic acids to the production of chitin from lobster shells
Ilia Bautista	Doug Gardner	Cellulose Nanofibril-Polypropylene Nanocomposites with Improved Dispersion Prepared by Extensional Flow Mixing
Beida Chen	Mike Mason	Correlation of Physical and Toxicological Properties of Forest Derived Nanomaterials
Constanza Bizama	Bill DeSisto	Fast Pyrolysis of Pine Bark Extracts
Tynesha Dias	Jessica Leahy & Crista Straub	Evaluation of the Effectiveness of Stakeholder Education Efforts with Regard to Exotic Forest Pests
Christian Haughwout	Doug Bousfield	Mapping the Mechanical Properties of Coatings that Contain Nano-Scale Particles using Atomic Force Microscopy and Nano-Indentation
Michael Havern	Michael Day & Alisha Autio	Age Related Changes in the Foliar Morphology of Phloem in <i>Picea rubens</i>
Sasha Howes	Steve Shaler	LCA of Torrefied Wood Pellet Production in Millinocket, Maine
Sebastian Quevedo	James Beaupré	Thermal Drying of Nanocellulose; Maintaining Nano-morphology and Redispersability
Karla Ramos	Johanna Castaño	A Thermoplastic Nanocomposite Formulation and Characterization with Active/Passive Barrier Properties
Bruno Rodriguez	Juan Carlos Carrasco P.	Evaluation of the Biological Decomposition of Biodegradable Plastics based on Plant Starch
Andrew Towey	Clay Wheeler	Separation of Organic Acids from Hydrolyzates by Furfural Extraction