



G. W. Woodruff School of Mechanical Engineering

Ph.D. Project

(\$21,600 stipend plus free tuition)

CELLULOSE NANOCRYSTALS FOR BIOMEDICAL APPLICATIONS

Goals and Objectives: In this project, we are developing applications of cellulose nanocrystals for use in two areas of biomedicine.

- (1) Surface coating of support matrices for cell cultures in pharmaceutical production and in cell culture vessels
- (2) Tissue repair and drug delivery

The project involve cell culture experiments, gene expression analysis, confocal imaging, and visualization by Quantum dot technology.

To learn more about the specific projects in this area, contact:

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