



Corporate Internship Program on Plasma Technology Applications

Project Title:

Plasma Surface Modification of Electrospun Materials

Hosting Site:

Evonik Medical Devices Competence Center at Birmingham

756 Tom Martin Drive

Birmingham, AL 35211 USA

<http://www.evonik.com/medical>

Project Description:

This project will evaluate surface and physio-chemical, morphological, and microstructural properties of electrospun, thermoplastic materials from Evonik fabricated. Characterization of fabricated substrates both before and after plasma treatment will be investigated for effects. Plasma treated electrospun membranes will be analyzed for surface morphological and microstructural as well as chemical and wetting properties compared to non-treated counterparts for potential uses in biomedical applications.

Both undergraduate and graduate students will be considered for this internship.

Disciplines: Physics, chemistry, materials science, and engineering

Mentors:

The name of the main mentors at Evonik will be disclosed only to students being considered for this project. If you have any questions about the project or the hosting site, please contact the co-mentors Dr. Vinoy Thomas at vthomas@uab.edu or Dr. Yogesh Vohra ykvohra@uab.edu.

Interns will not enter into an employee/employer relationship with the Hosting Site. No commitment with regard to later employment is implied or should be inferred. Evonik maintains all data generation as well as processing methodologies of this project as well as the right to deny publication thereof until deemed appropriate by Evonik Industries AG.