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Process Optimization to Enhance Quality and Quantity of Transiently Expressed Proteins | Biological Engineering

USU College of Engineering

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Dr. Gerald "Dusti" McEwen is giving a seminar titled "Process optimization to enhance quality and quantity of transiently expressed proteins" on October 27, 2015 at 12pm in ENGR 406. Refreshments will be served.

Seminar Abstract:

Transient transfection is a method to introduce foreign DNA into a healthy cell population. Transient transfection can be accomplished by chemical, mechanical, and electrical delivery. Although foreign DNA is not incorporated into the host cell genome, host cell machinery is used to transcribe and translate the gene of interest. This presentation will illustrate the enhancement of transgene production through reagent optimization and feeds and show benefits of transient work, such as, eliminating the need for generation of a stable engineered cell line; allowing the process scaleability; and decreasing the time for generation of comparable amounts of product.