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

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Process optimization to enhance quality and quantity of transiently expressed proteins | Biological Engineering

10/26/2015

Process optimization to enhance the quality and quantity of transiently expressed proteins.

Gerald "Dusti" McEwen, PhD
Scientist II
GE Healthcare Cell Culture R&D



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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 scalability; and decreasing the time for generation of comparable amounts of product.