DEPARTMENT OF BIOMEDICAL ENGINEERING

2019 – 2020 Seminar Series

Engineering (in) human cells using genome editing

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The field of genome editing is experiencing a renaissance driven primarily by the repurposing of an immune response system utilized by bacteria and archaea. This system is characterized by the presence of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR) stored in host genomes as memories of phage-bacteria interactions. The use of the CRISPR system in higher organisms (including mammalian cells and animal models) has spurred myriads of applications critically relevant to agriculture, biomanufacturing, and human health. We discuss results at the interface of synthetic biology and genome editing with particular emphasis on engineering biological networks with applications in gene therapy.

Wednesday, November 20th @ 4:00PM

Health Sciences Center, Level 2 Lecture Hall 3

OPEN TO ALL

SNACKS AND LIGHT REFRESHMENTS AT 3:45PM

Stony Brook University

Faculty Host: Gabor Balaszi, Phd

Sponsored by The College of Engineering and Applied Sciences, the School of Medicine, the Center for Biotechnology, The Provost and the Vice President for Research. For further Information, Please contact: The Department of Biomedical Engineering at 631.632.8375, or visit our homepage at: https://www.stonybrook.edu/bme/