



BIOINFORMATICS SEMINAR

DAVID GRESHAM

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NEW YORK UNIVERSITY

EVOLUTION AND GENE EXPRESSION WITH SINGLE CELL RESOLUTION

My lab focuses on microbial evolution, gene expression regulation and cellular quiescence using budding yeast as a model system. I will describe work from my lab studying the dynamics of adaptive evolution using a new reporter system for copy number variants (CNVs) and our recent progress using multiplexed single cell RNAseq for gene regulatory network inference.

BIOGRAPHY

Dr. David Gresham is a Professor of Biology at NYU Center for Genomics and Systems Biology. His lab studies adaptive evolution using experimental evolution, gene expression regulation and control of cell growth and quiescence. Prior to starting his lab at NYU David was a postdoctoral fellow at Princeton University working with David Botstein. David's PhD is in human genetics studying mendelian disease gene mapping and population genetics. Prior to his postdoctoral training David was an Editor at Nature Genetics. Read more about the Gresham lab here: <https://greshamlab.bio.nyu.edu/>



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**3:30 PM
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