



University  
of Basel

Department  
Biozentrum



Swiss Institute of  
Bioinformatics

BIOZENTRUM

The Center for  
Molecular Life Sciences

Basel Computational Biology Seminar

**Prof. Robert Brewster**

*Chan Medical School, University of Massachusetts  
Worcester MA, USA*

## Untangling the regulatory role of individual TFs in *E. coli*

Predicting the effect of TFs in gene regulation can be challenging due to their entanglement with promoter specific effects such as TF-TF interactions, or network interactions (feedback, etc). In this talk I will discuss efforts in my lab to develop a systematic approach to model and measure the fundamental regulatory interactions of TFs with polymerase. The overall goal is to expose the basic building blocks on which the complex regulatory schemes of natural genes are built through simple measurements of purposefully designed synthetic promoters.

**Date:** Monday, May 9, 2022

**Time:** 16:15 h – 17:15h

**Location:** Online via Zoom

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