Postdoctoral Scholar position available with John Koschwanez

In the synthetic biology group at Novartis Institutes for BioMedical Research (NIBR) in Cambridge, MA, USA, we develop microbial tools that we can use to study mechanisms involved in human disease. One important application of these tools is the modulation of transcription factors; specifically, what are the key surfaces involved in transcription factor function and how can we change the function of the transcription factors by binding small molecules or peptides to these surfaces? To address these questions, we will (1) invent technologies to investigate the modulation of transcription factors using synthetic biology and evolution in budding yeast, and (2) collaborate with disease biologists and structural biologists at Novartis to characterize the transcription factors using cell biology and structural biology. Controlling transcription factors could be a key factor in the treatment of cancer and other human diseases, and synthetic biology can provide us a means to investigate their modulation.

The position will start in the first half of 2015. More details are available at:

http://postdoc.nibr.com/john-koschwanez.html

Please contact John Koschwanez if you are interested in applying:

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