



# CDB SEMINAR

**Speaker:** **Nicholas Luscombe**  
< Department of Molecular Biophysics  
and Biochemistry Yale University >

**Title:**  
**“Transcription regulation:  
a genomic network”**

<b>Date:</b>	<b>Monday, July 12</b>
<b>Time:</b>	<b>17:00 P.M. ~ 18:00 P.M.</b>
<b>Place:</b>	<b>1F Auditorium of Building C, CDB</b>

## **Summary:**

The transcriptional regulatory system plays a central role in directing gene expression changes in response to internal and external stimuli.

In this talk, I will present our group's work on transcription regulation in yeast, ranging from large-scale experimental studies to computational analyses of regulatory networks. In the first half I will introduce results from ChIP-chip experiments that identify genome-wide DNA-binding sites of transcription factors, particularly focusing on the cell cycle regulatory system. In the second half I will discuss how these observations fit in with the idea of a genomic regulatory network, and examine the effects of such networks on gene expression levels. Finally, I will introduce the concept of dynamic network usage in the context of transcription regulation.

**Host:** **Hiroki Ueda** <Systems Biology, CDB>

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