

## THE (SUB)CELLULAR ARCHITECTURE OF PROTEIN SYNTHESIS & HOW IT IS REMODELED DURING CELL STRESS

ABOUT THE LECTURE

Eukaryotic cells task the cytosol and the endoplasmic reticulum (ER) compartments with distinct protein synthesis duties. In this seminar, research into how cells regulate mRNA partitioning between the cytosol and ER will be presented and recent findings that cell stress elicits a dramatic remodeling of the subcellular organization and expression of the mRNA transcriptome, as an adaptive strategy for coping with proteotoxic stress, will be discussed.

**Speaker:** **Prof Christopher Nicchitta**

*Professor, Department of Cell Biology  
Duke University*

**Host :** Prof Shirish Shenolikar

*Interim Director, Neuroscience & Behavioural Disorders Program  
Professor, Cardiovascular and Metabolic Disorders Program  
Duke-NUS Graduate Medical School*

**Date:** Tuesday , 11 February 2014

**Time:** 12.00 PM — 1.00 PM

(Light refreshments will be served at 11.30 AM)

**Venue:** Duke-NUS Graduate Medical School  
Amphitheatre, Level 2

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ABOUT THE SPEAKER

Christopher Nicchitta is a professor of Cell Biology and Biochemistry at Duke University Medical Center. He received the B.S. degree in Biology from the College of William and Mary and the Ph.D. in Biochemistry and Biophysics from the University of Pennsylvania. He then moved to Rockefeller University for post-doctoral study with Dr. Günter Blobel. Chris joined the Duke Department of Cell Biology in 1993 where he studies mRNA localization and translational regulation on the ER.



