



## **Suresh Subramani**

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*Pichia pastoris* (Pp) Pex8p, the only known intraperoxisomal peroxin at steady state, is targeted to peroxisomes by either the PTS1 or PTS2 pathway. Until recently, all cargoes entering the peroxisome matrix were believed to require the docking and RING subcomplexes, proteins that bridge these two subcomplexes and the PTS receptor recycling machinery. However, by studying the import of Pex8p into peroxisomes by its two pathways, we have found that that PpPex8p is a special cargo whose translocation into peroxisomes depends only on the PTS receptors and Pex14p, and not on intraperoxisomal Pex8p, the RING subcomplex or the receptor recycling machinery. These data provide insights into the minimal translocation machinery necessary for peroxisomal matrix protein import.

**Date: Fri, 23 Jan 2009**

**Time: 4 pm**

**Venue: LT 20**

**Host: Dr Henry Mok**