Protein Trafficking II  
GMS6063 (GMS6063 is now the Mechanisms of Aging course)  
Spring 2003  

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**Faculty**  
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**Format**  
Short (“chalk”) talk and discussion  

Tuesdays and Thursdays, 1 - 3 PM, Room CG-41  

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**Tues 11 Feb**  
**Topic:** RNA Localization  

Review:  

Paper:  

**Thurs 13 Feb**  
**Topic:** ER Retrograde Translocation  

Review:

Paper:

Tues 18 Feb
**Topic: Trafficking Through the Golgi**

Review:

Papers:


Thurs 20 Feb
**Topic: Protein Trafficking and Disease**

Review:

Paper:

Tues 25 Feb and Thurs 27 Feb
**Role of ubiquitination in endosomal sorting**
**Session I: Biosynthetic and endocytic sorting in yeast**
**Session II: mammalian receptor tyrosine kinase down-regulation**

General broad overview:

Brief overview:

Specific papers for session I (Tues 25 Feb), Biosynthetic and endocytic sorting in yeast:
Specific papers for session II (Thurs 27 Feb), mammalian receptor tyrosine kinase down-regulation:

Suggested background papers for session II:

Tues  4 Mar
**Topic: Trafficking to Lysosomes**

Review:

Papers:


Thurs  6 Mar
**Topic: Endocytosis**

Review:

Papers:


Tues  18 Mar
**Topic: Nuclear Import and Export**

Reviews:


**Paper:**

**Movies:**
NPC.mov
NucTrans.mov

**Thurs 20 Mar**
**Topic: Import into Mitochondria**

**Review:**

**Paper:**