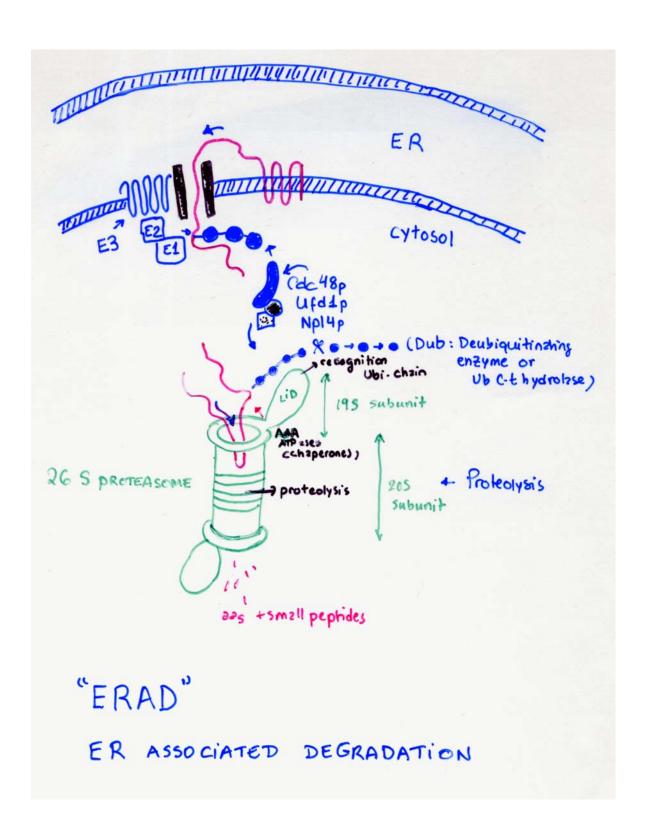
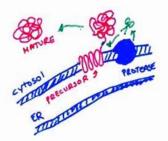
Introductory slides for Session 3



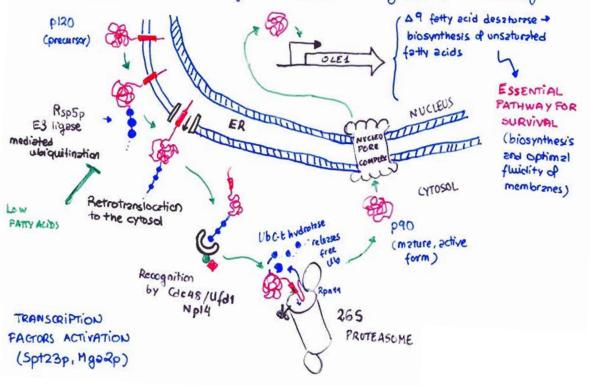
"RIP" : REGULATED INTRAHENBRANE PROTEOLYSIS



- Site-specific membrane-localized protezses
- . Substrates activated by proteolytic processing

e.g. SREBP - TF controlling skrol metabolism
IRE1 - Unfolded protein response
Notch
APP

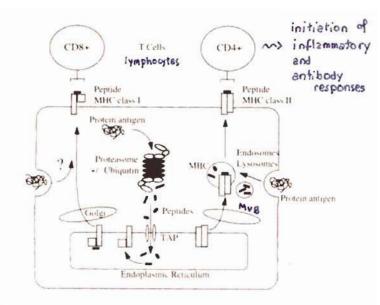
("RUP": REGULATED UBIQUITIN/PROTEASOME DEPENDENT PROCESSING" a type of ERAD (ER associated degradation) process involving proteolytic processing:



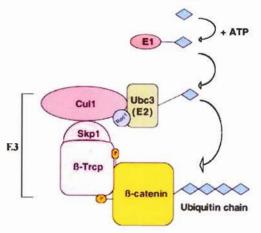
The MHC class I and class II.

pathways for presentation of
intracellular and extracellular
antigens.

CD4 is the major cellular receptor for HIV-1

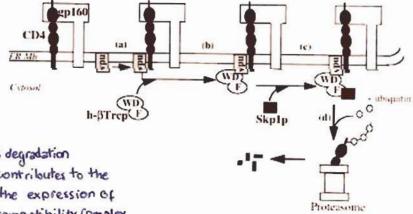






• B-TrCP is a F-box protein, part of a SCF E3 ligase complex. It doesn't normally interact with CD4.

Limited compariment



Vpu mediates degradation
of CD4 and contributes to the
decrease in the expression of
major histocompatibility Complex
(MHC) class I molecules on the
surface of HIV-I infected cells