

Endomembránový systém

výtah z přednášky

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INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Tento projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem České republiky

Endomembránový systém :

system vnitřních membrán eukaryotické buňky

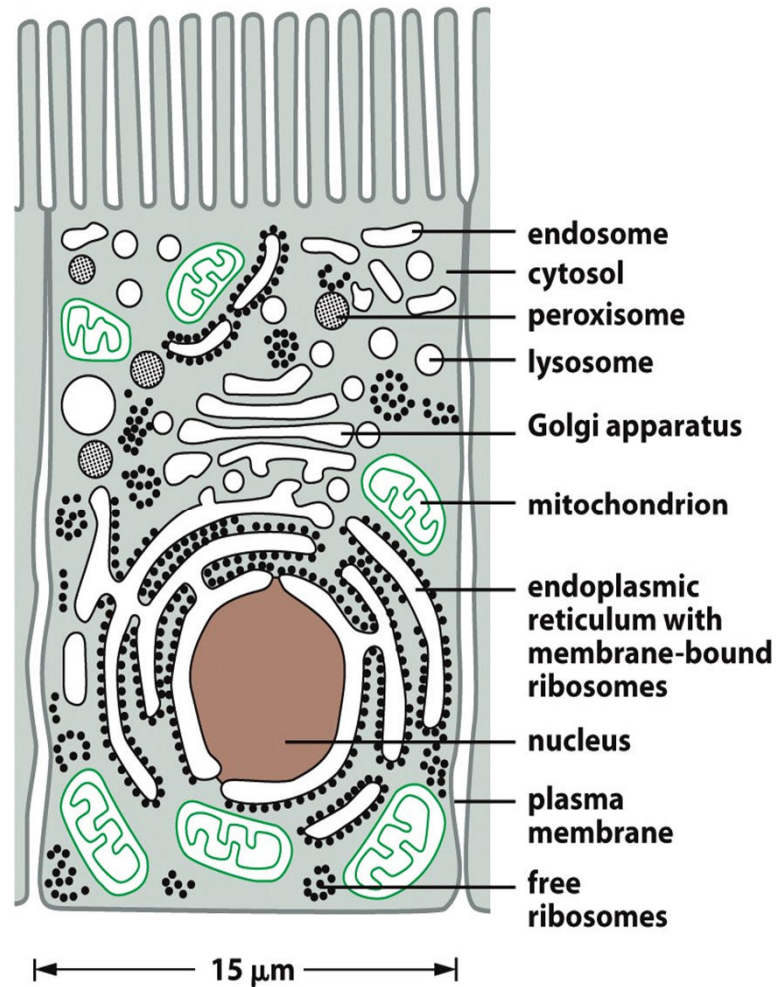


Figure 15-2 Essential Cell Biology 3/e (© Garland Science 2010)

Endoplazmatické retikulum

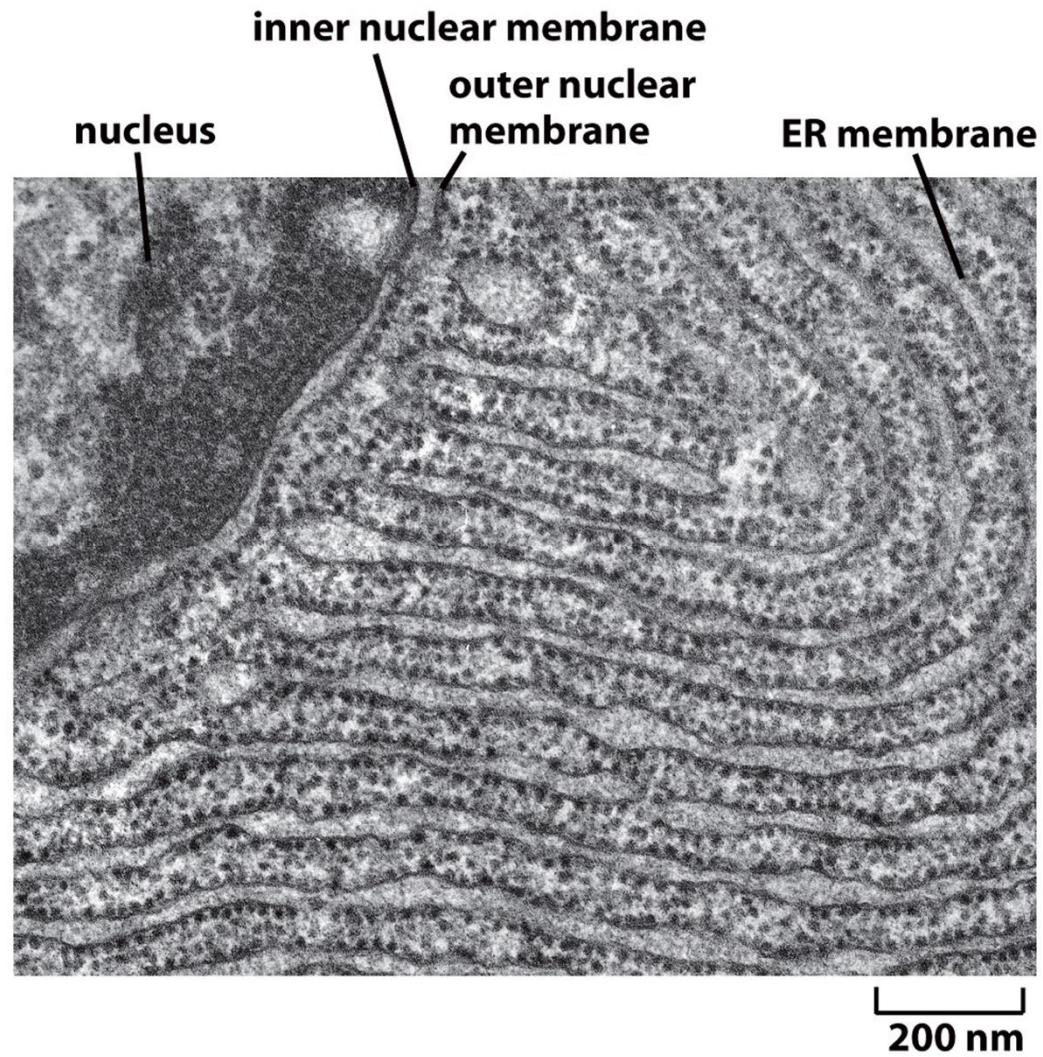


Figure 12-36a Molecular Biology of the Cell 5/e (© Garland Science 2008)

Endoplazmatické retikulum

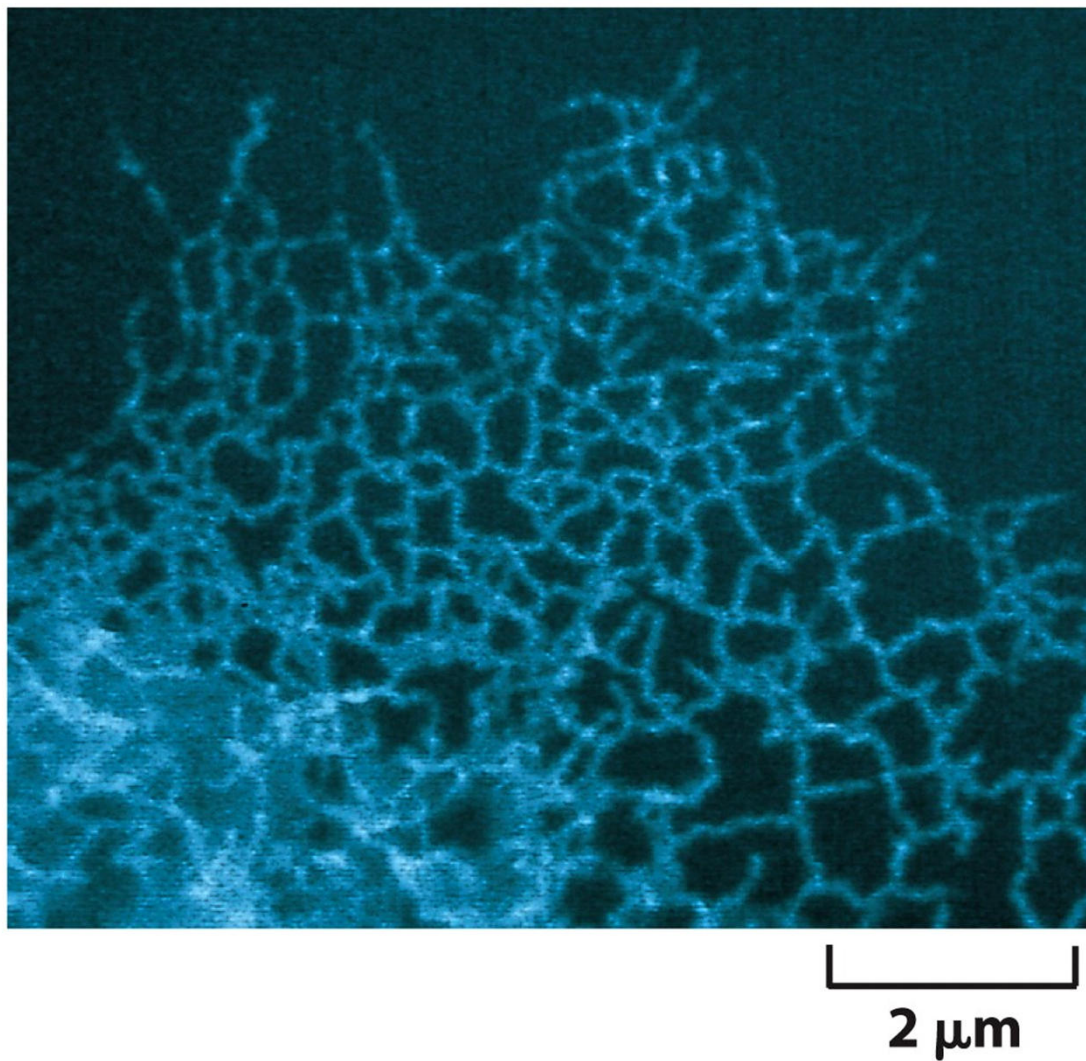


Figure 12-34a Molecular Biology of the Cell 5/e (© Garland Science 2008)

Drsné a hladké endoplazmatické retikulum

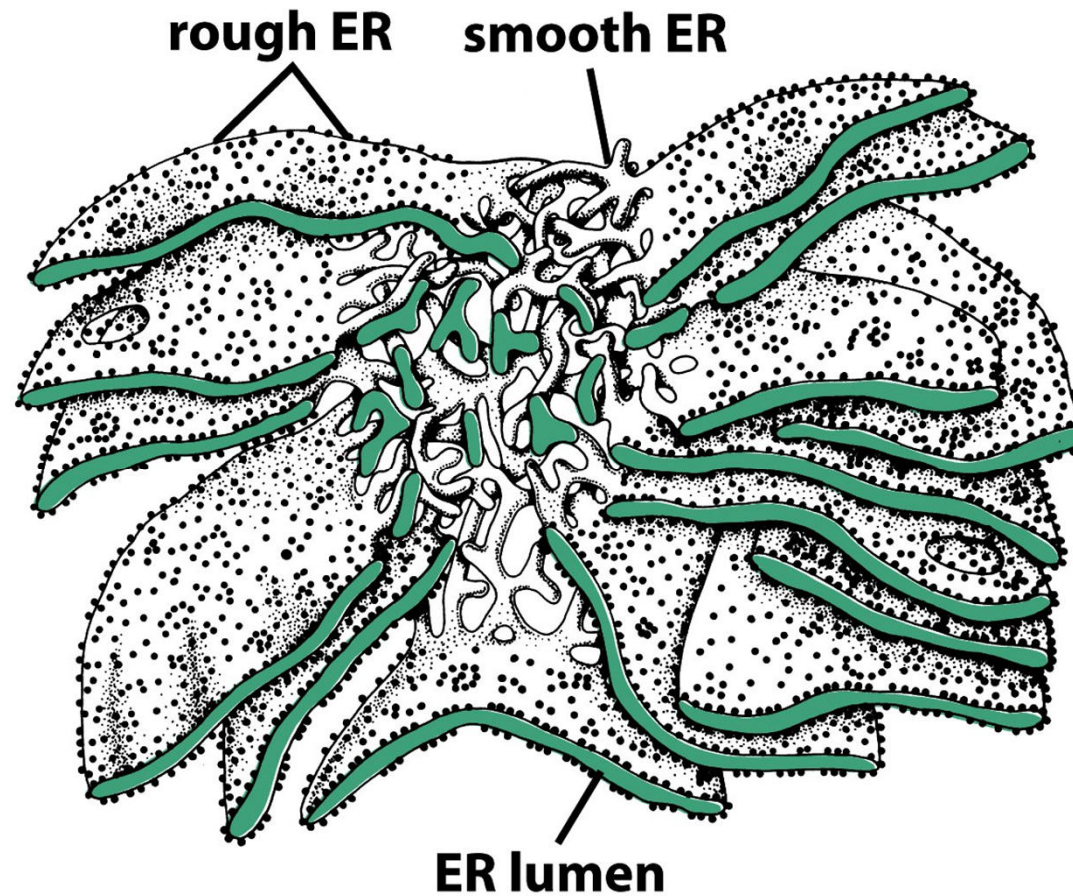


Figure 12-36c Molecular Biology of the Cell 5/e (© Garland Science 2008)

Glykosylace proteinu v endoplazmatickém retikulu

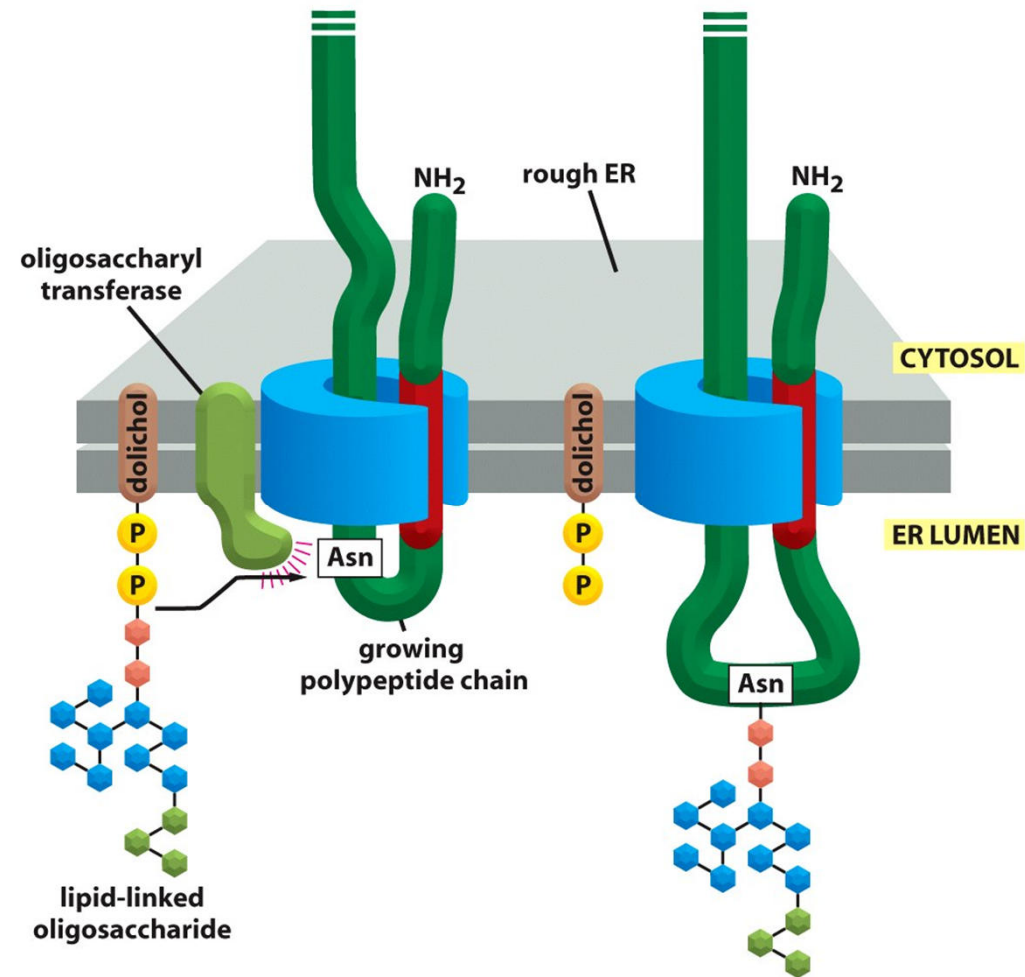


Figure 12-51 Molecular Biology of the Cell 5/e (© Garland Science 2008)

Syntéza fosfatidylcholinu v endoplazmatickém retikulu

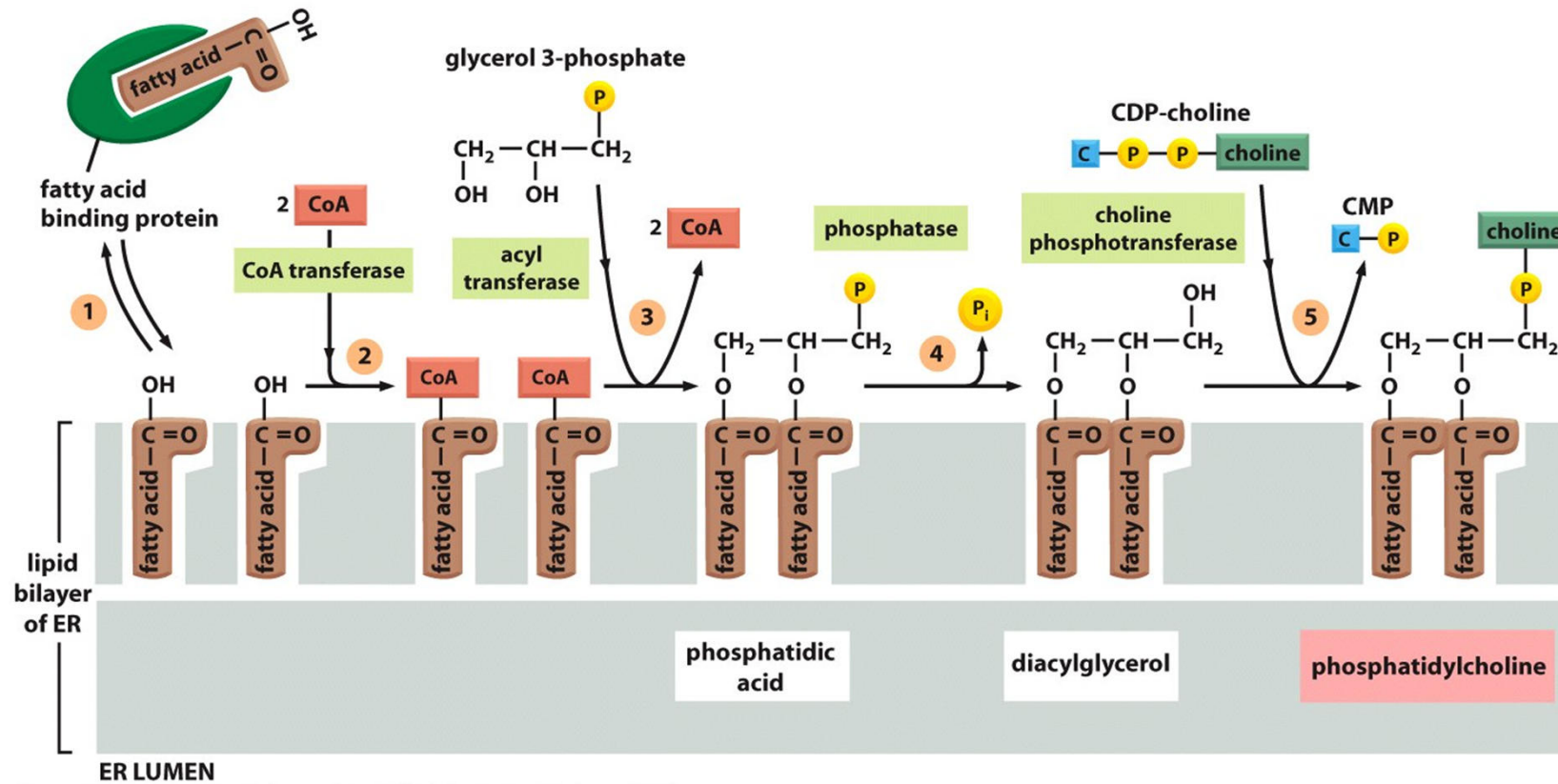
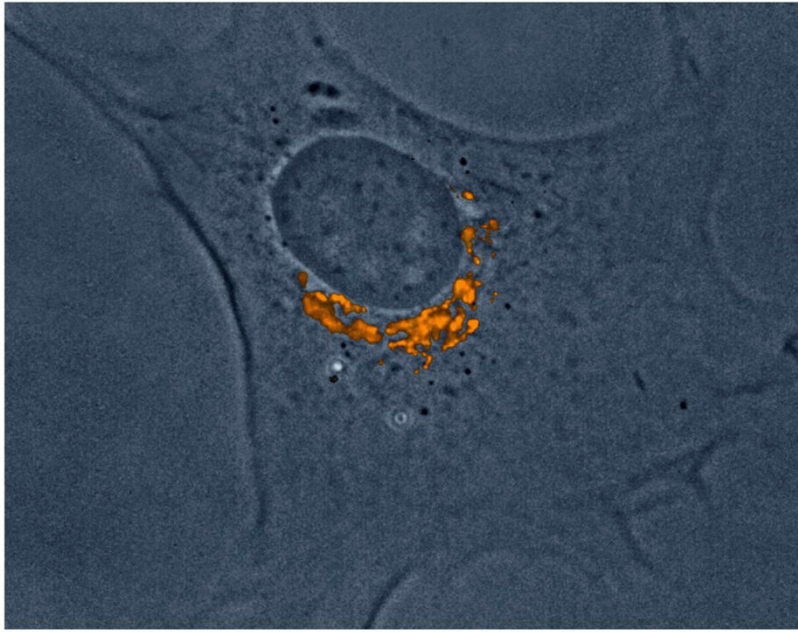


Figure 12-57 Molecular Biology of the Cell 5/e (© Garland Science 2008)

Golgiho aparát



20 μm

Figure 15-26c Essential Cell Biology 3/e (© Garland Science 2010)

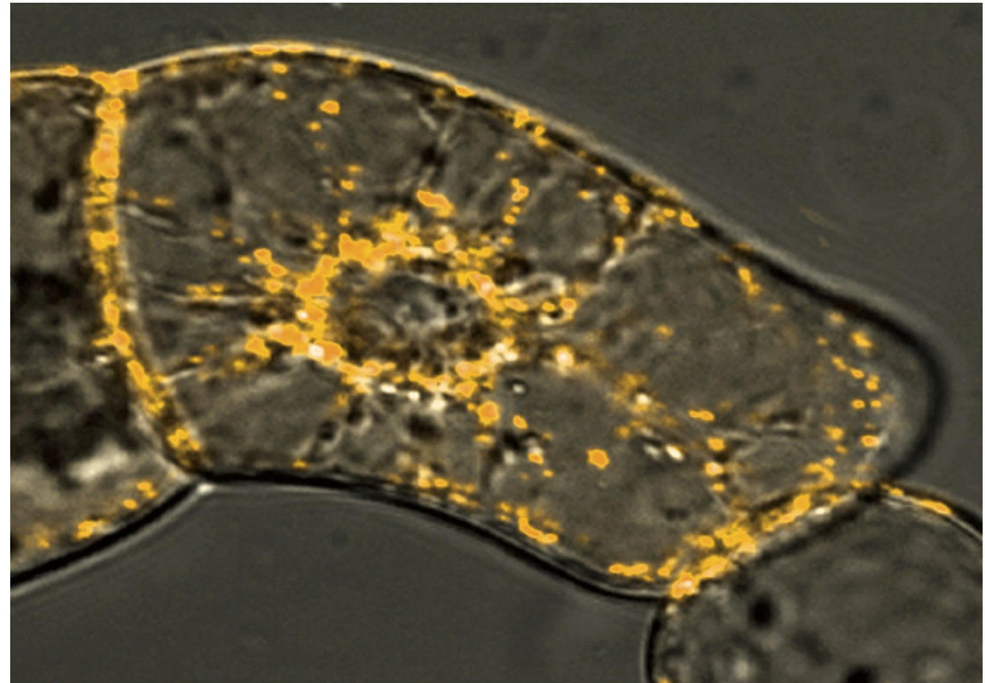


Figure 13-26b Molecular Biology of the Cell 5/e (© Garland Science 2008)

Přechod mezi ER a Golgiho aparátem u živočišné buňky

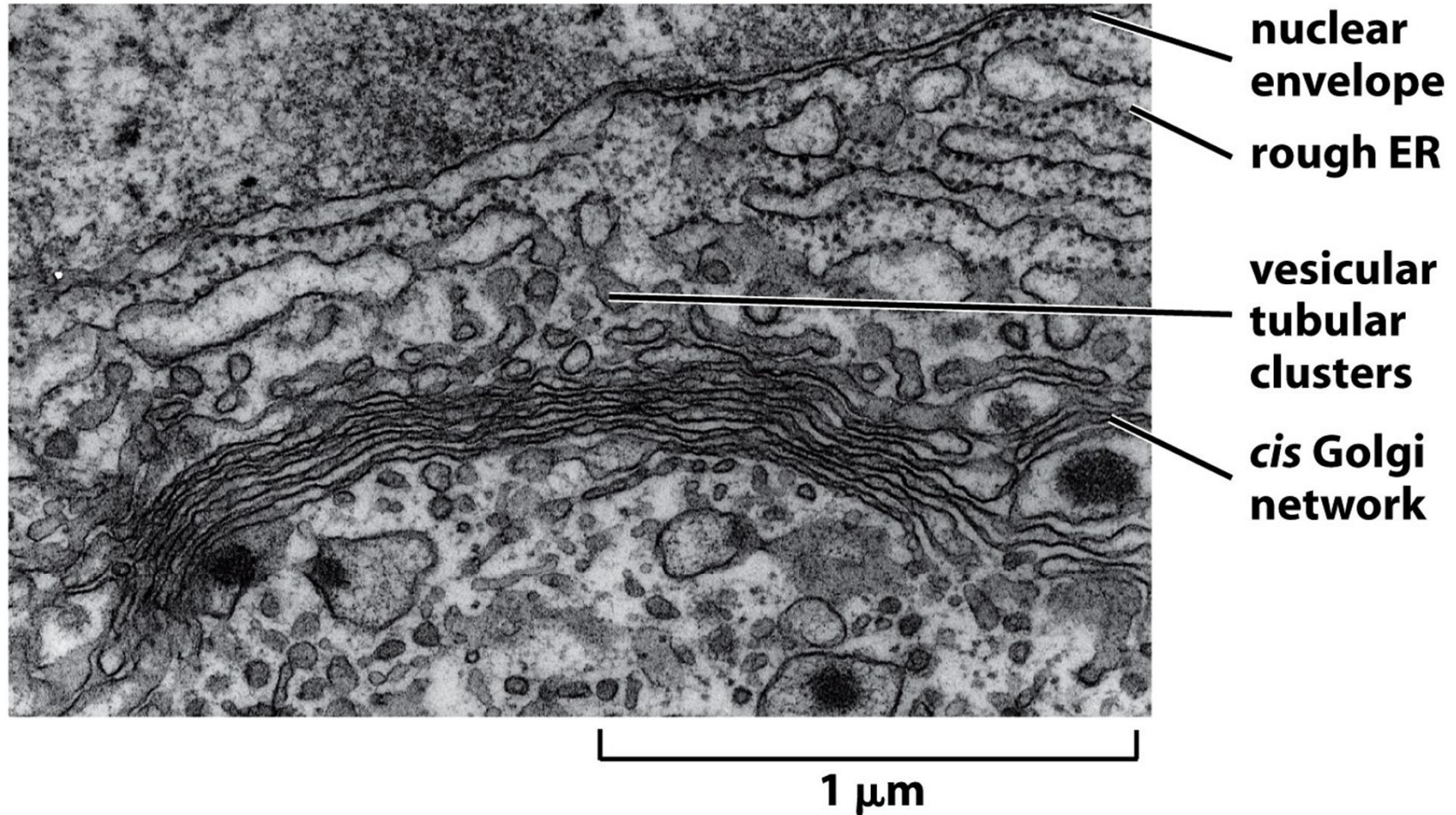


Figure 13-25b Molecular Biology of the Cell 5/e (© Garland Science 2008)

Stavba Golgiho aparátu

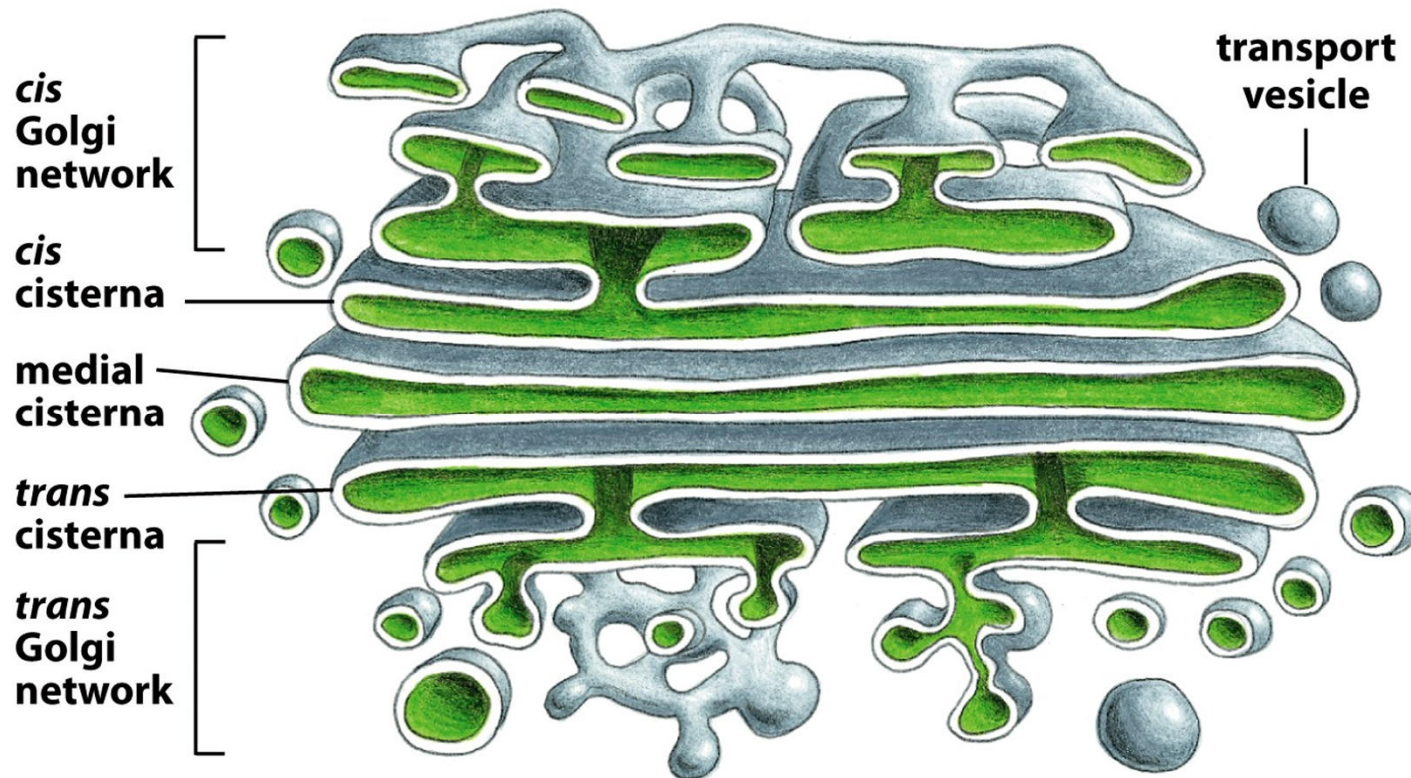


Figure 15-26a Essential Cell Biology 3/e (© Garland Science 2010)

Modifikace proteinů v Golgiho aparátu

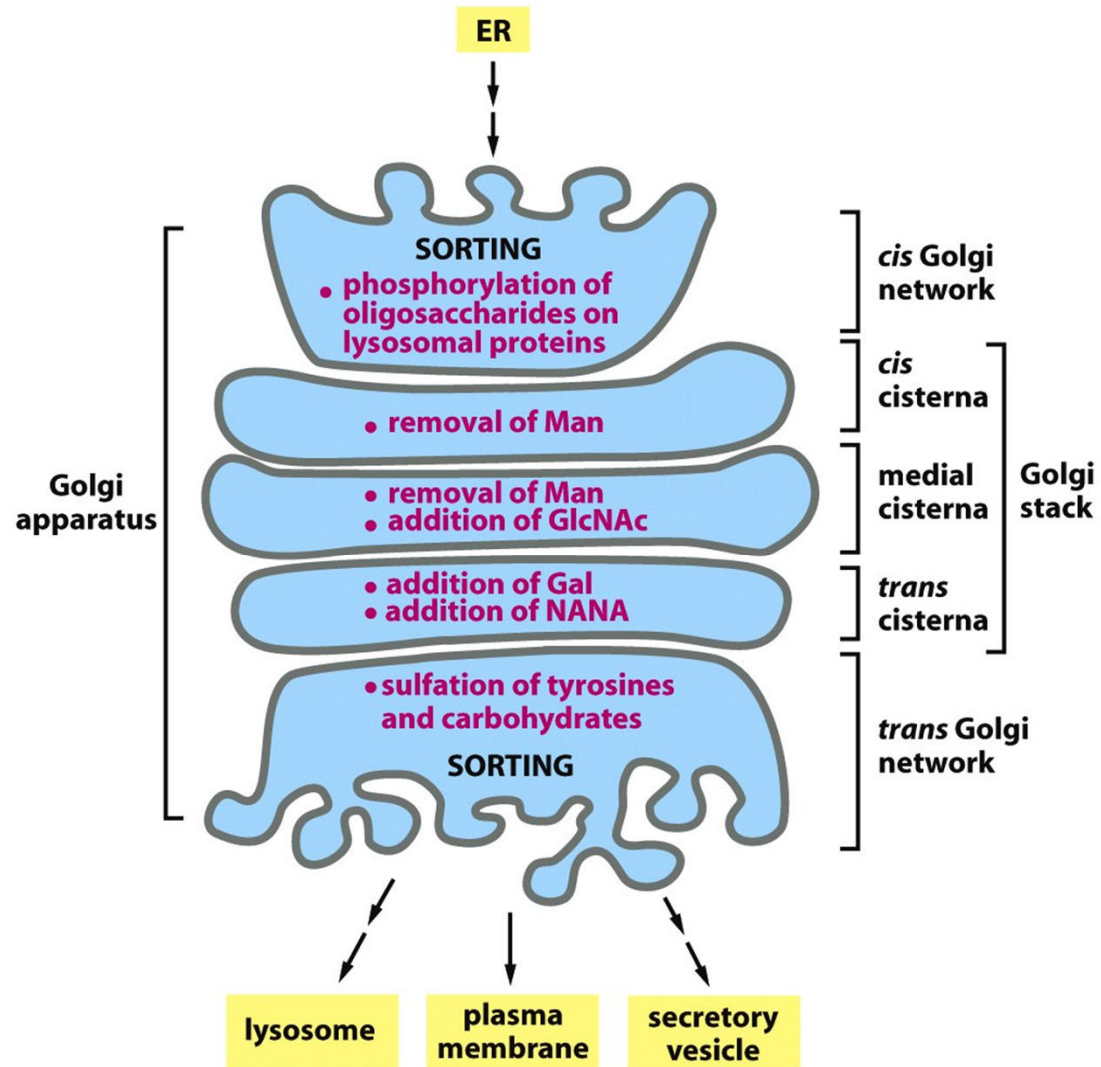


Figure 13-28 Molecular Biology of the Cell 5/e (© Garland Science 2008)

Exocytóza a endocytóza

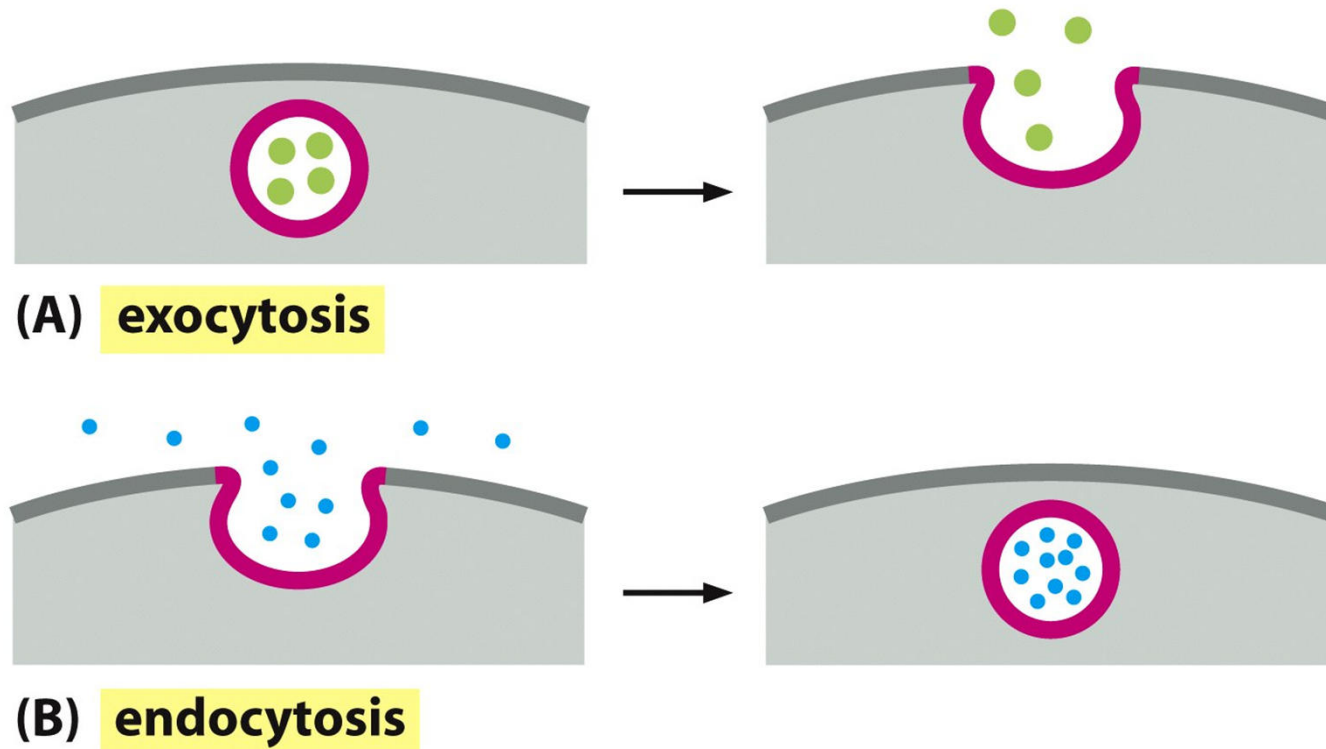


Figure 13-1 Molecular Biology of the Cell 5/e (© Garland Science 2008)

Vezikulární transport

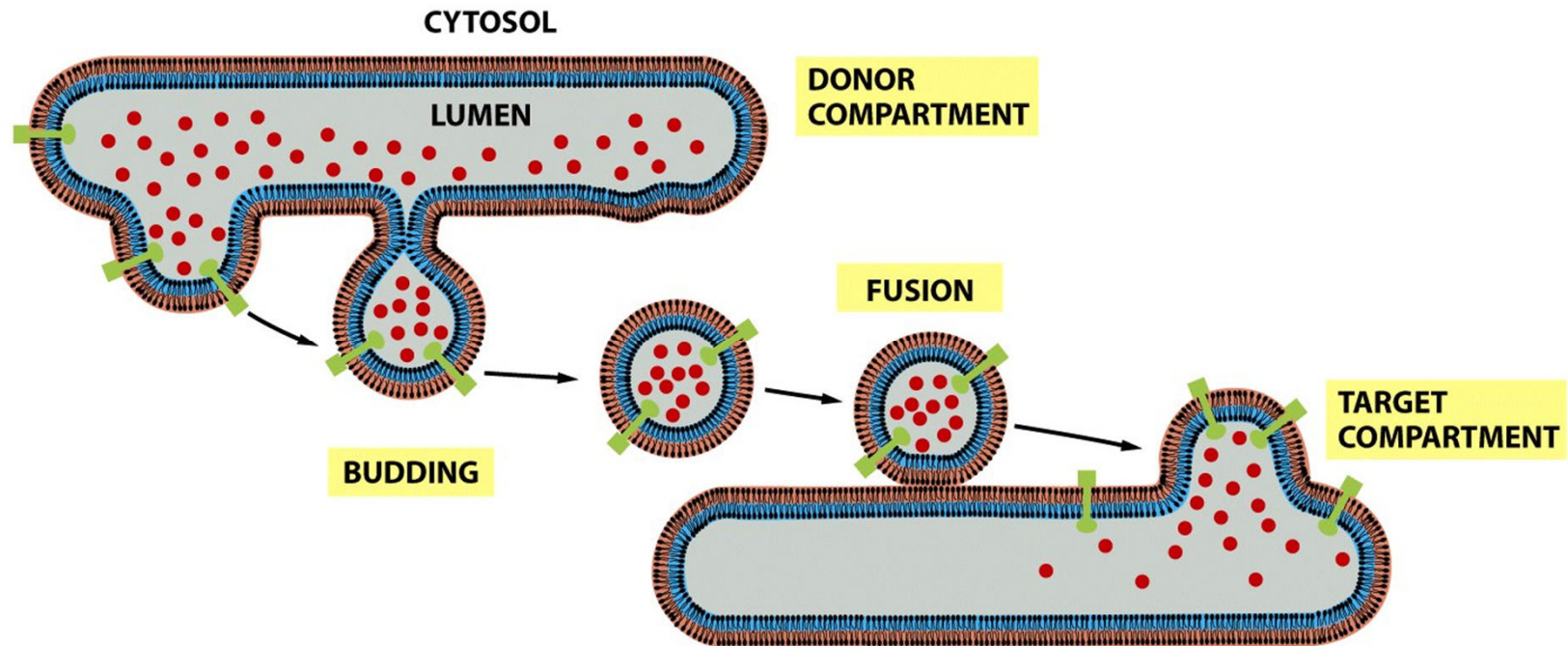


Figure 13-2 Molecular Biology of the Cell 5/e (© Garland Science 2008)

Vezikulární transport

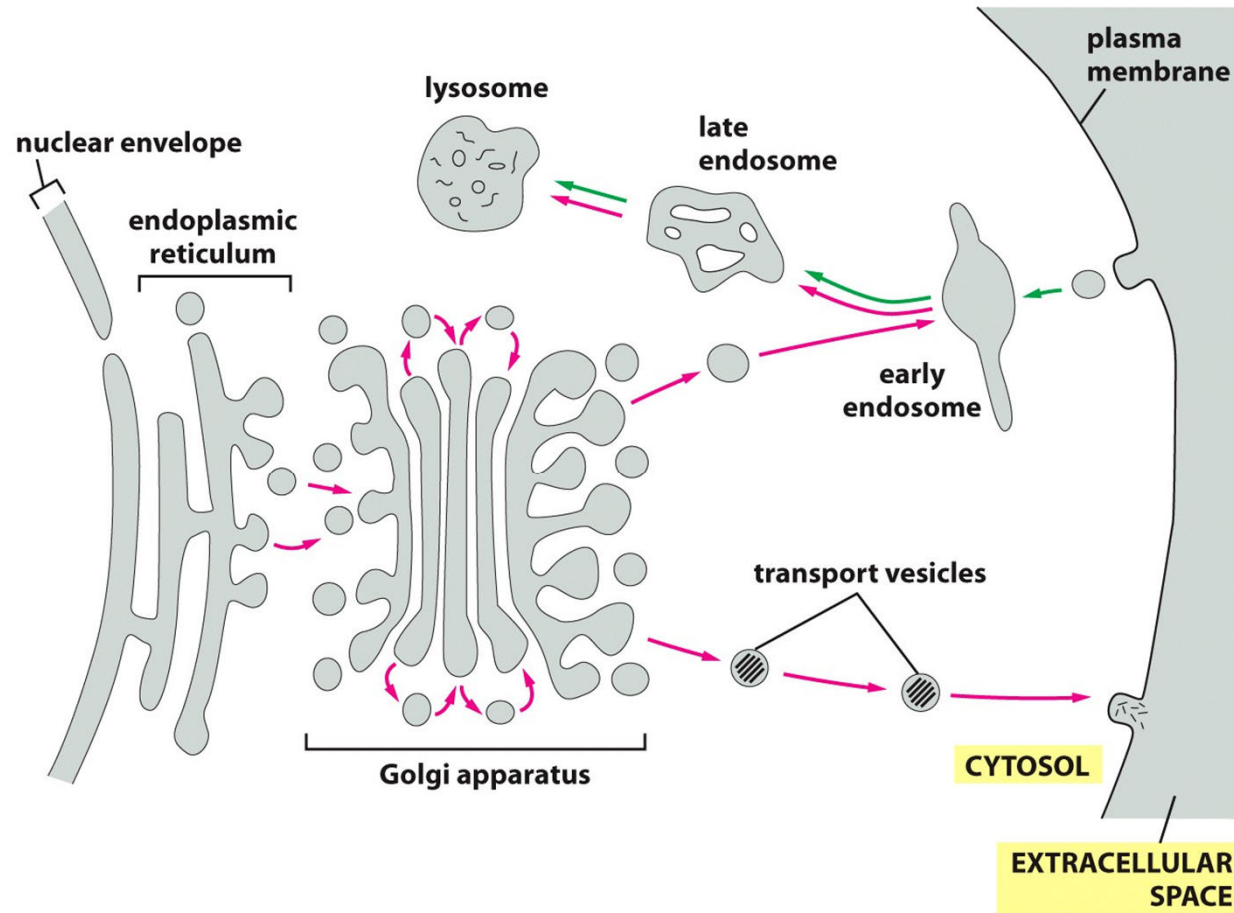


Figure 15-18 Essential Cell Biology 3/e (© Garland Science 2010)

Řízená a základní dráha exocytózy

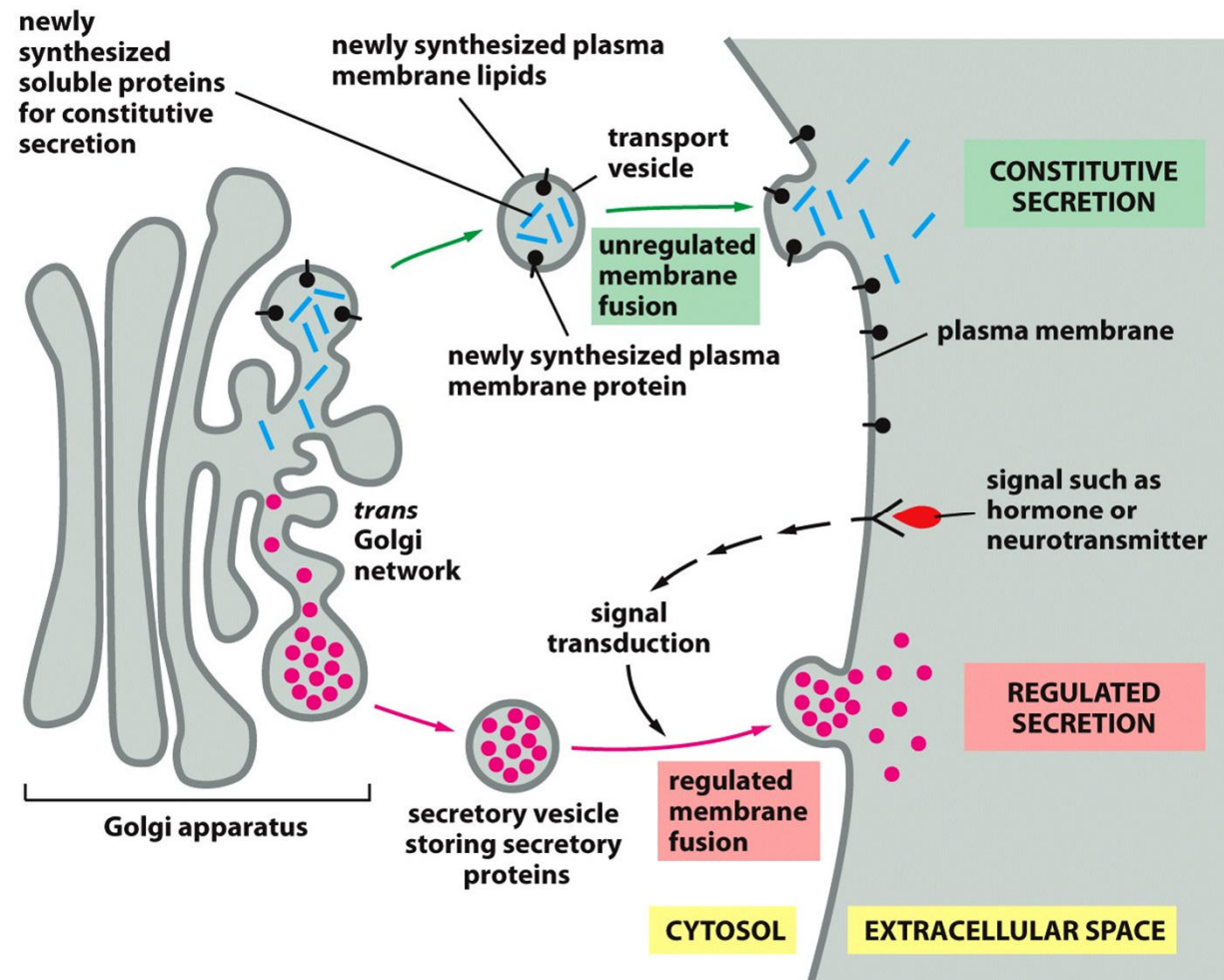


Figure 15-27 Essential Cell Biology 3/e (© Garland Science 2010)

Transportní vřčky - klathrinové, COPI, COPII (coat protein II) vřčky

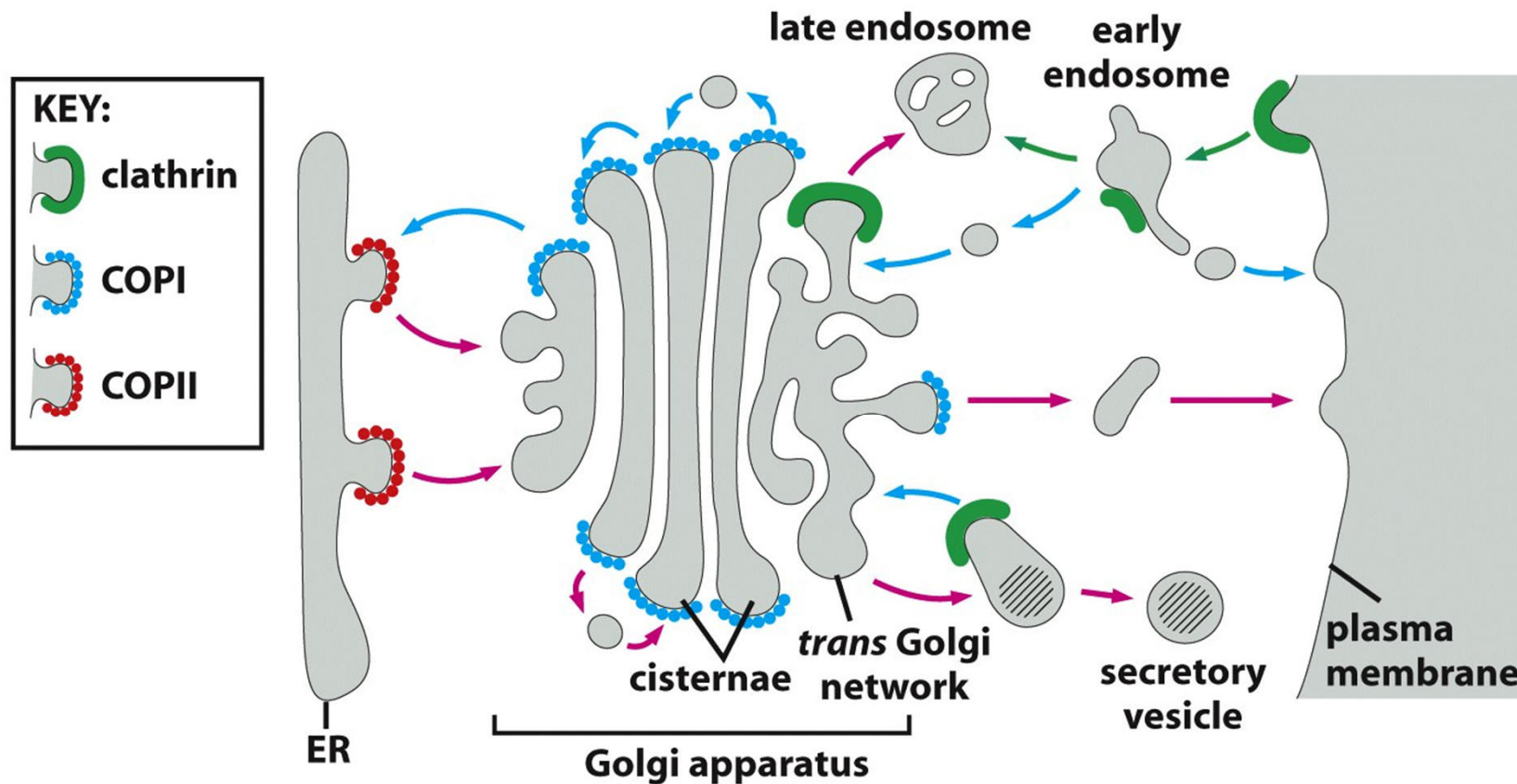
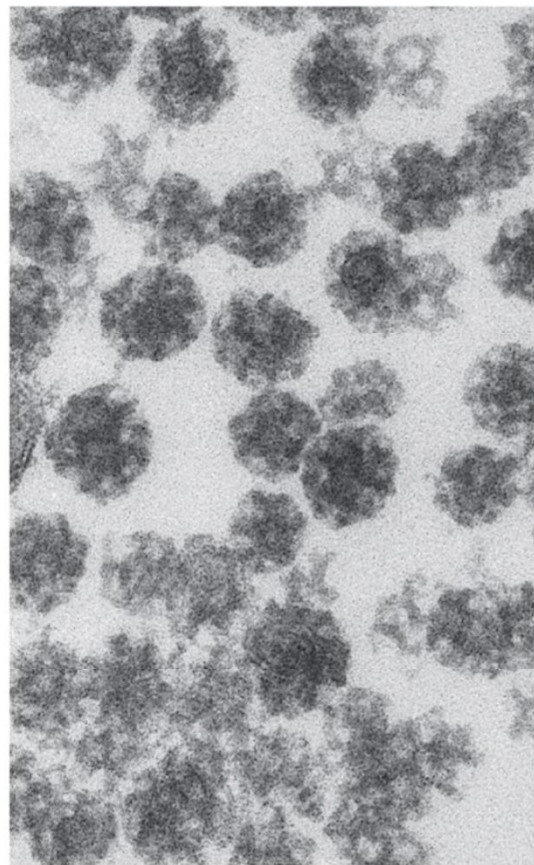
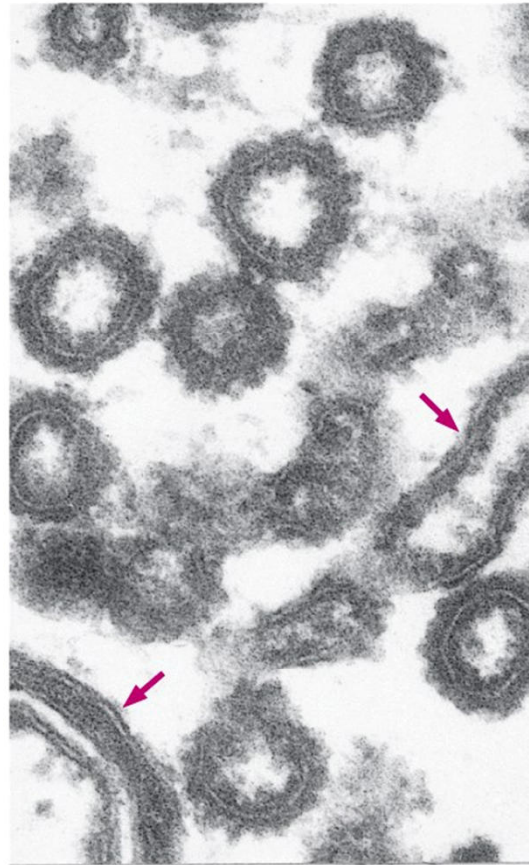


Figure 13-5 Molecular Biology of the Cell 5/e (© Garland Science 2008)

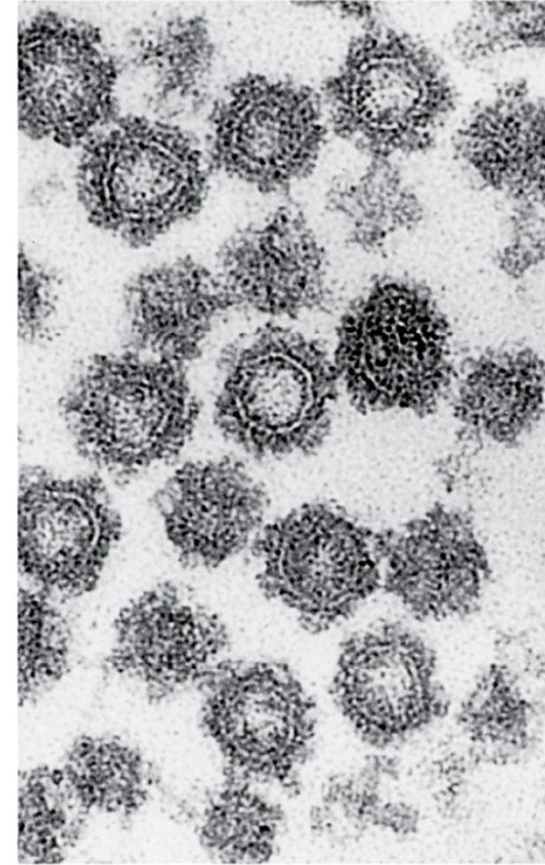
Transportní váčky



(A) clathrin

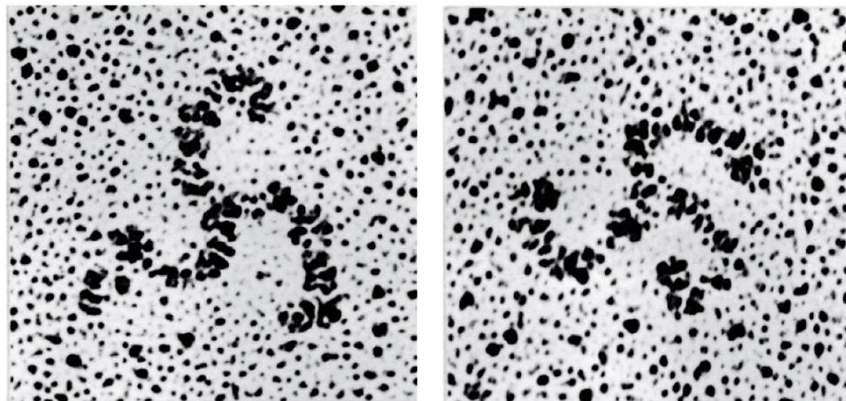


(B) COPI

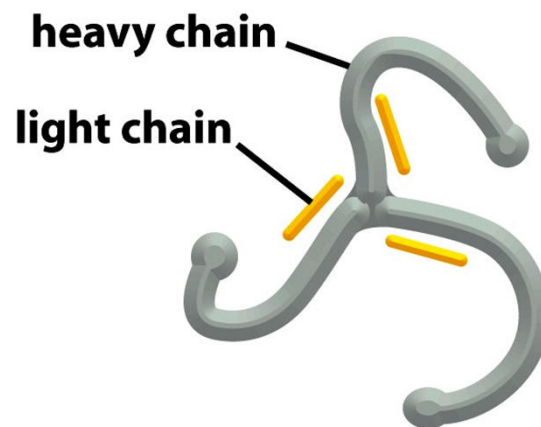


(C) COPII
100 nm

Klathrinem obalené váčky - struktura



(A)



(B)

Figure 13-7ab Molecular Biology of the Cell 5/e (© Garland Science 2008)

Klathrinem obalené váčky - struktura

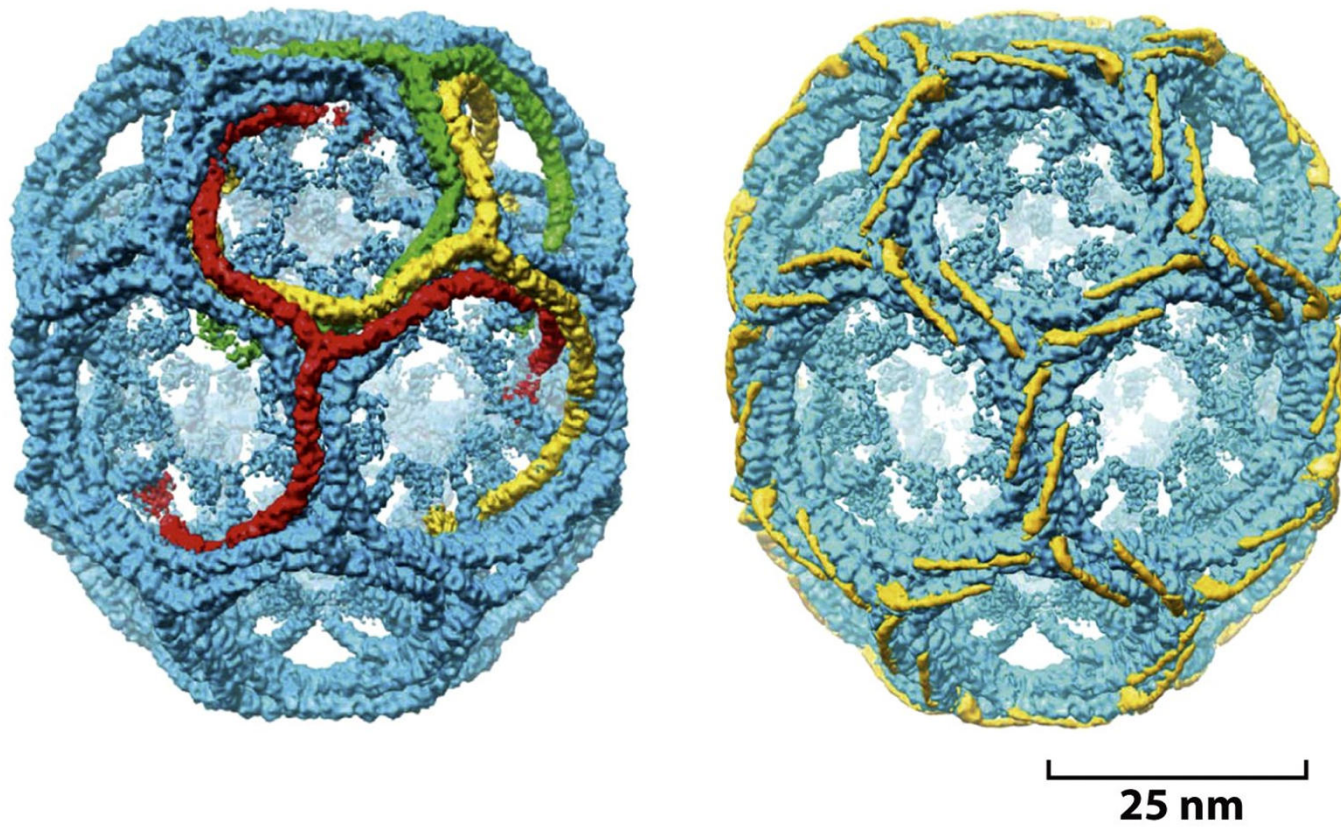


Figure 13-7cd Molecular Biology of the Cell 5/e (© Garland Science 2008)

Selektivní transport zprostředkovaný klathrinovými váčky

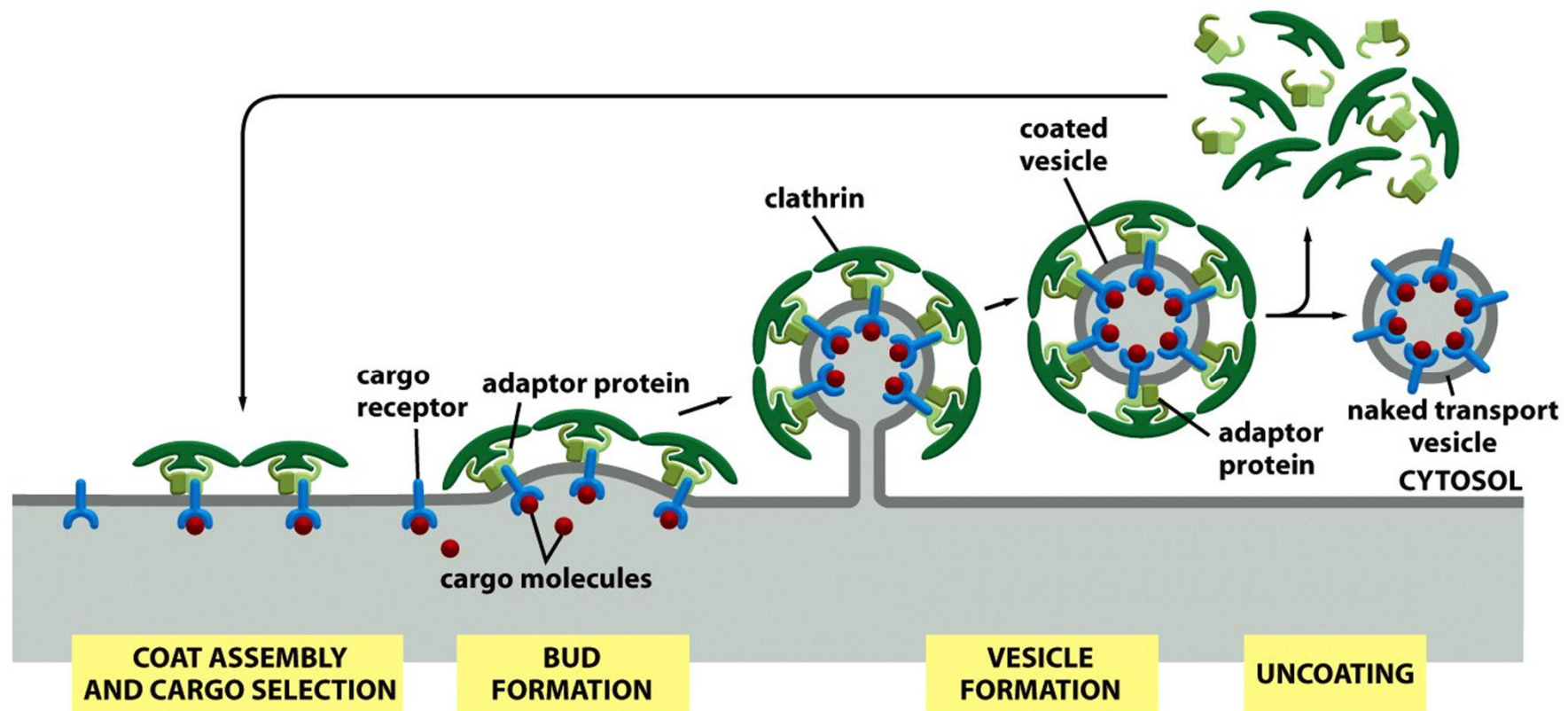


Figure 13-8 Molecular Biology of the Cell 5/e (© Garland Science 2008)