FAT DIGESTION AND ABSORPTION Lumen Tight junction Dietary fat Large triglyceride droplet Bile secretion Tight junction Brush border-membrane BABasolateral membrane Small intestinal epithelial cell (exocytosis) Emulsion Smooth ER Chylomicron LPA K14462 PL TAG O² TAG TAG K08760 K08760 O_{CE} OCE K08757 K08757 CL_O Golgi / MAG K08751 Pancreatic secretion K14462 **O**FA ି**ଠ**ୁ TAG[K14460 K08760 K08750 <u>CE</u> **O**** $\mathbf{o}^{\mathrm{CoA}}$ ∘o_{FA} BA K08757 Mixed micelle DAG Chylomicron acyl CoA¹ FATP4 K08757 MAG O PL, CL. Glycerolipid metabolism Rough ER K14463 OF. K14462 LPA K08757 FA, CL K14462 Nascent HDL OTAG_ OCE ACAT CE Prechylomicron Blood Lymp h transferred to b lood stream 0 CL Reabsorption into the enterocytes Tight junction 04975 7/30/15 (c) Kanehisa Laboratories