

Figure 1. Transport and synthesis processes necessary for cellular growth.

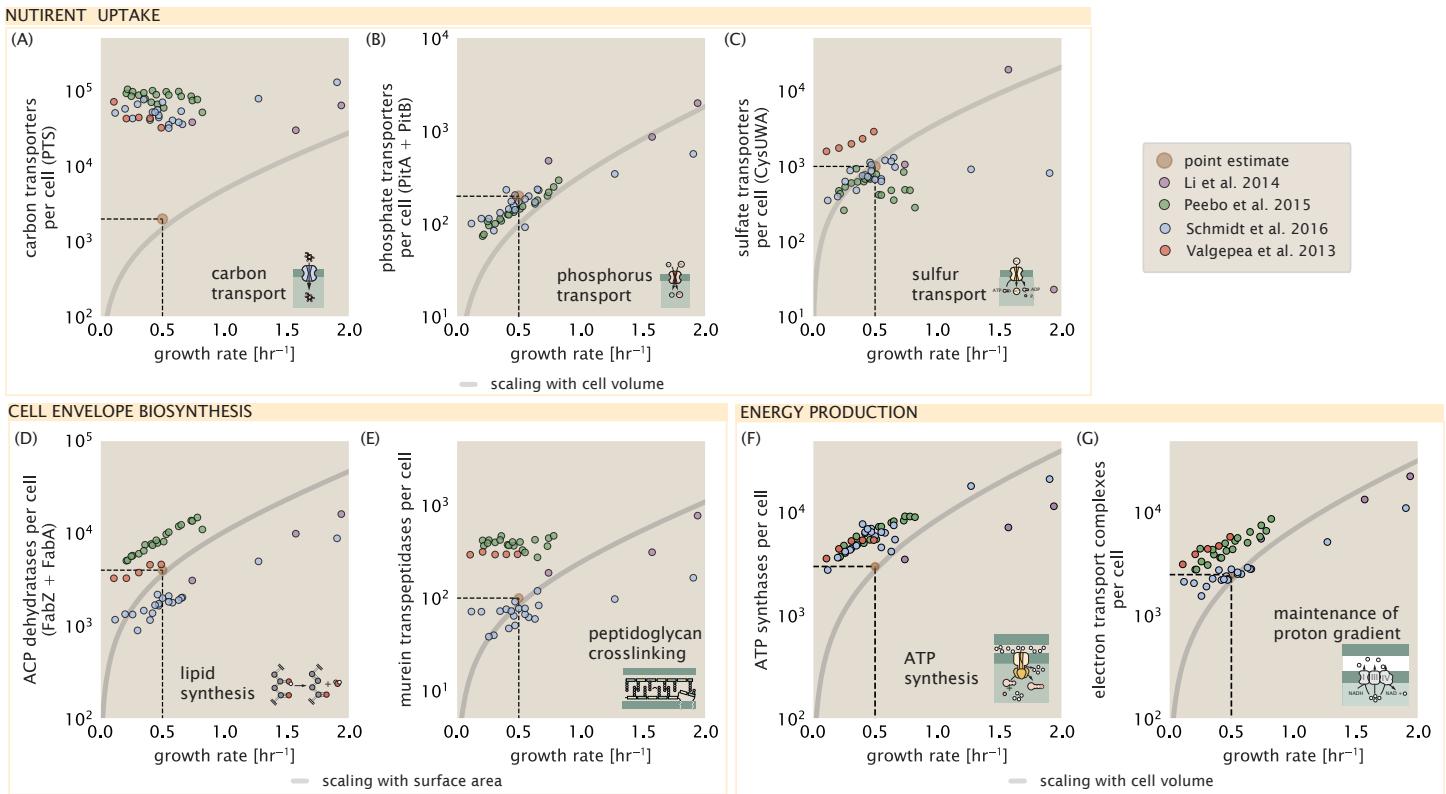


Figure 2. Key processes of nutrient uptake, cell wall biogenesis, and energy production.

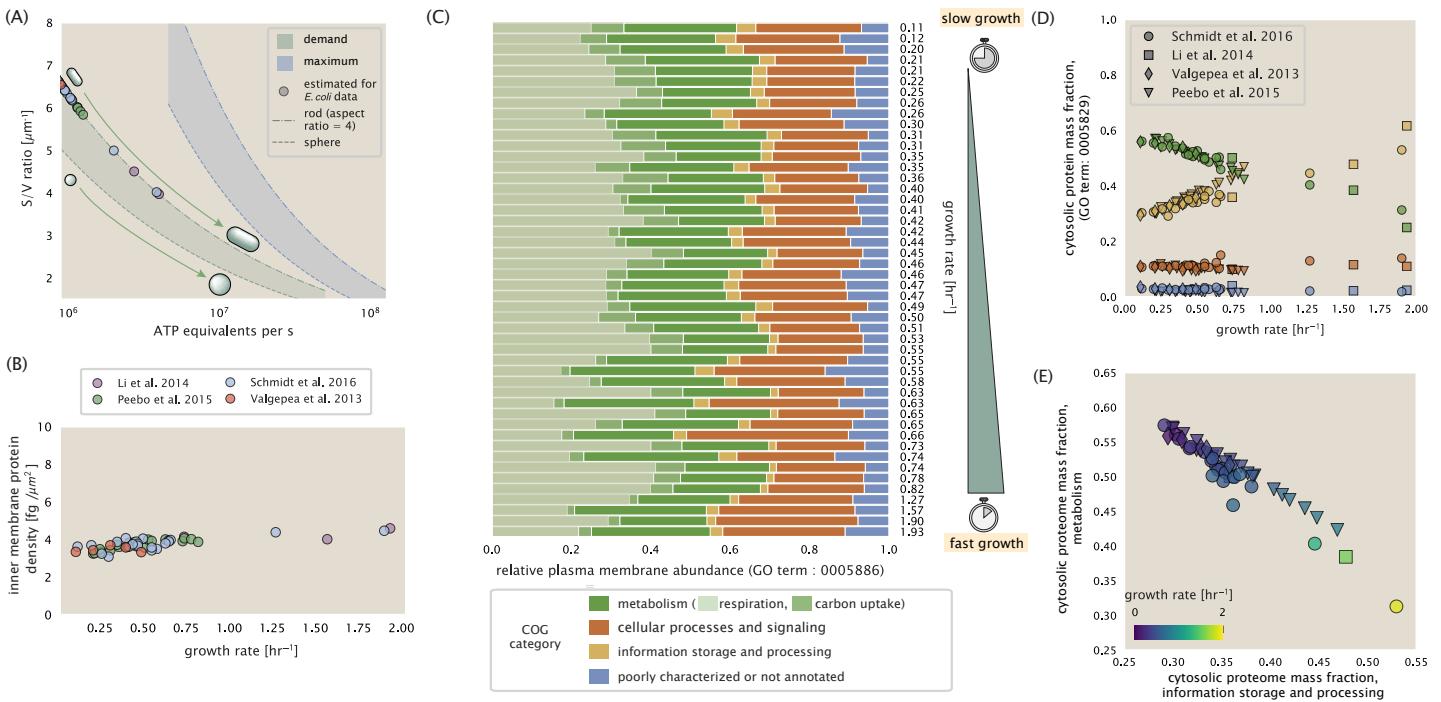


Figure 3. Biosynthesis in a crowded membrane.

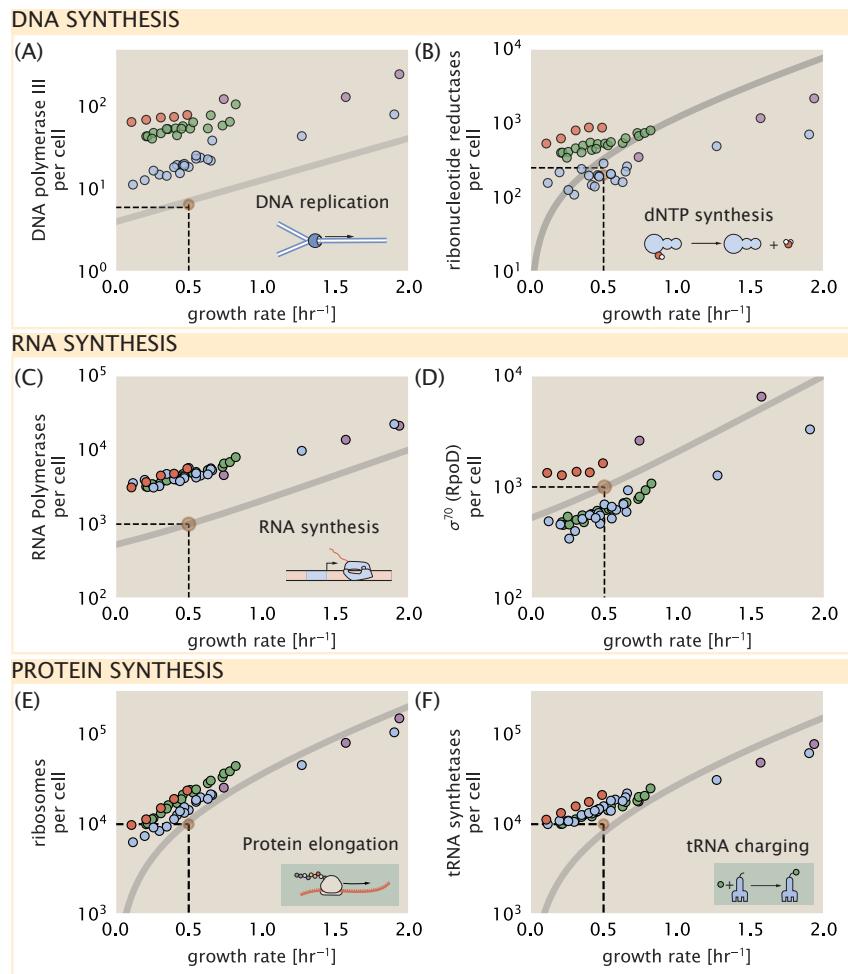


Figure 4. Key processes of the central dogma.

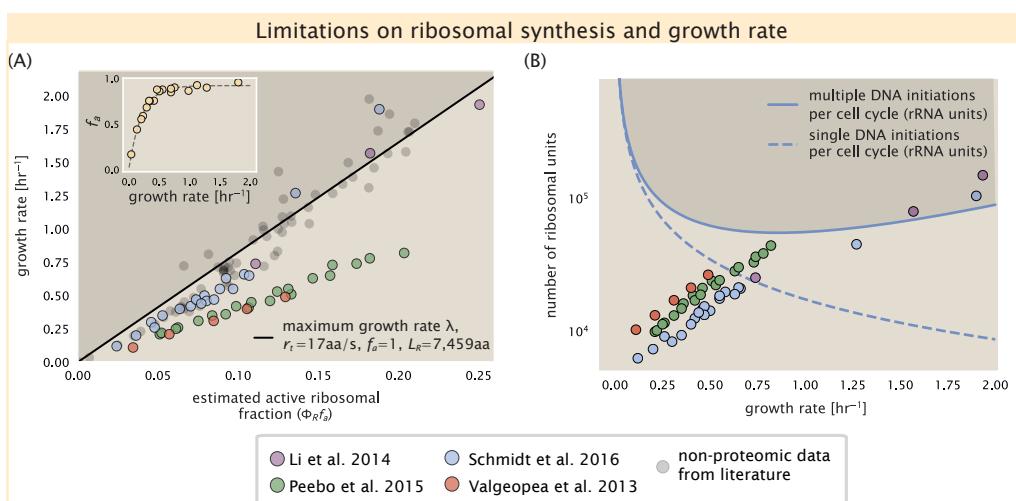


Figure 5. Limitations on ribosomal protein synthesis and growth rate.

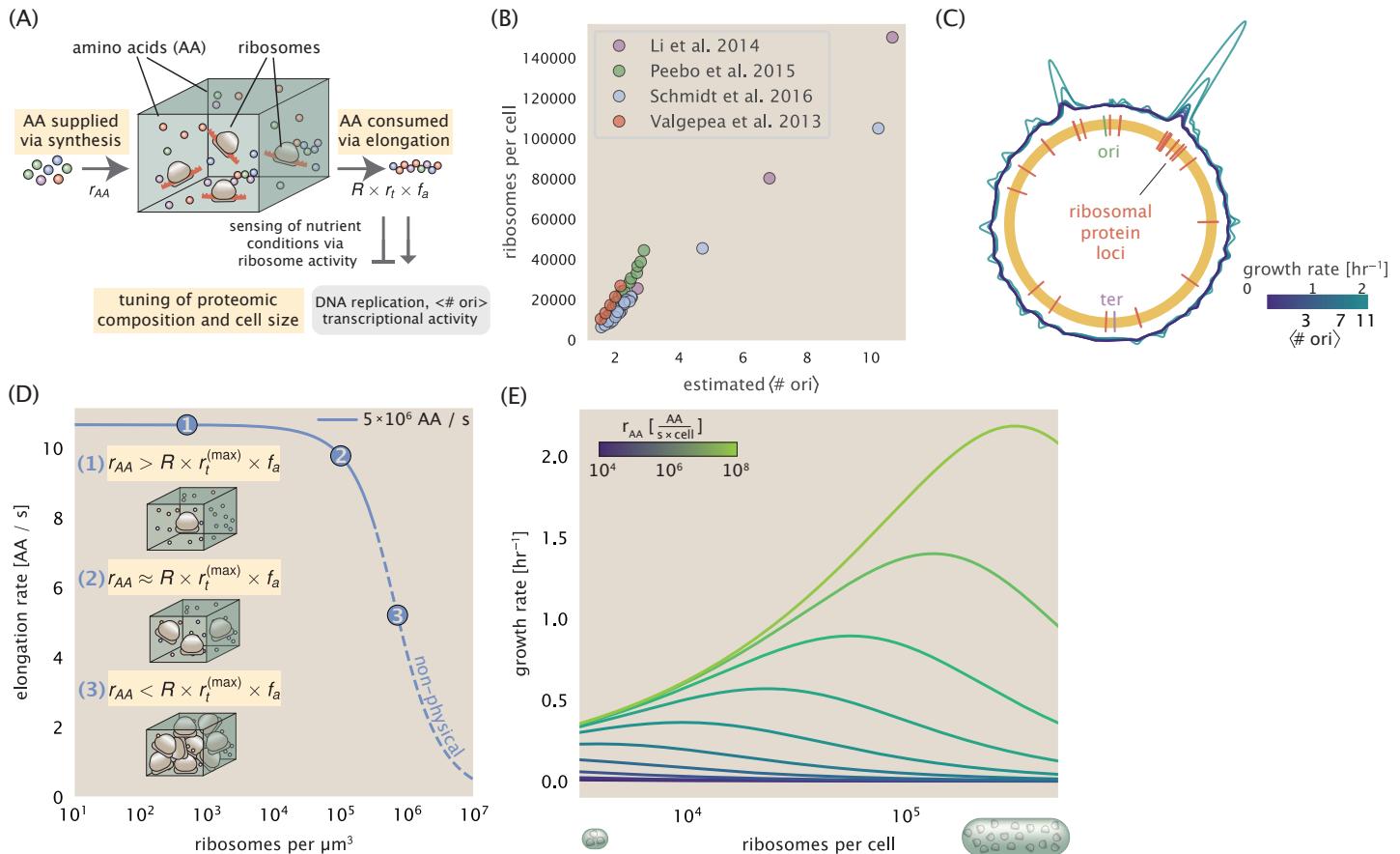


Figure 6. Coordination of cell size and proteomic composition via protein synthesis.