

Figure 1. Transport and synthesis processes necessary for cell division.

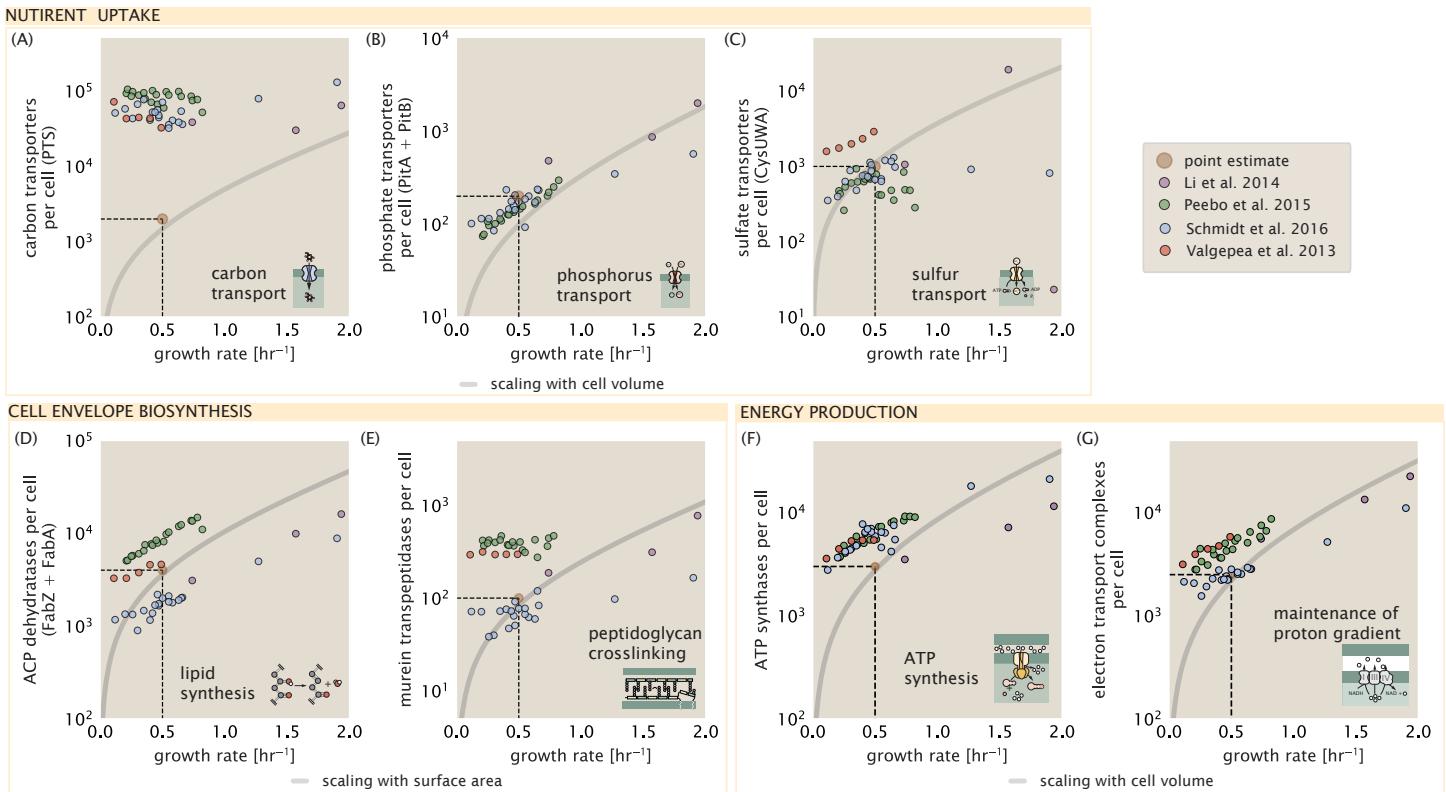


Figure 2. Meeting nutrient needs, cell wall biogenesis and energy requirements for cell doubling.

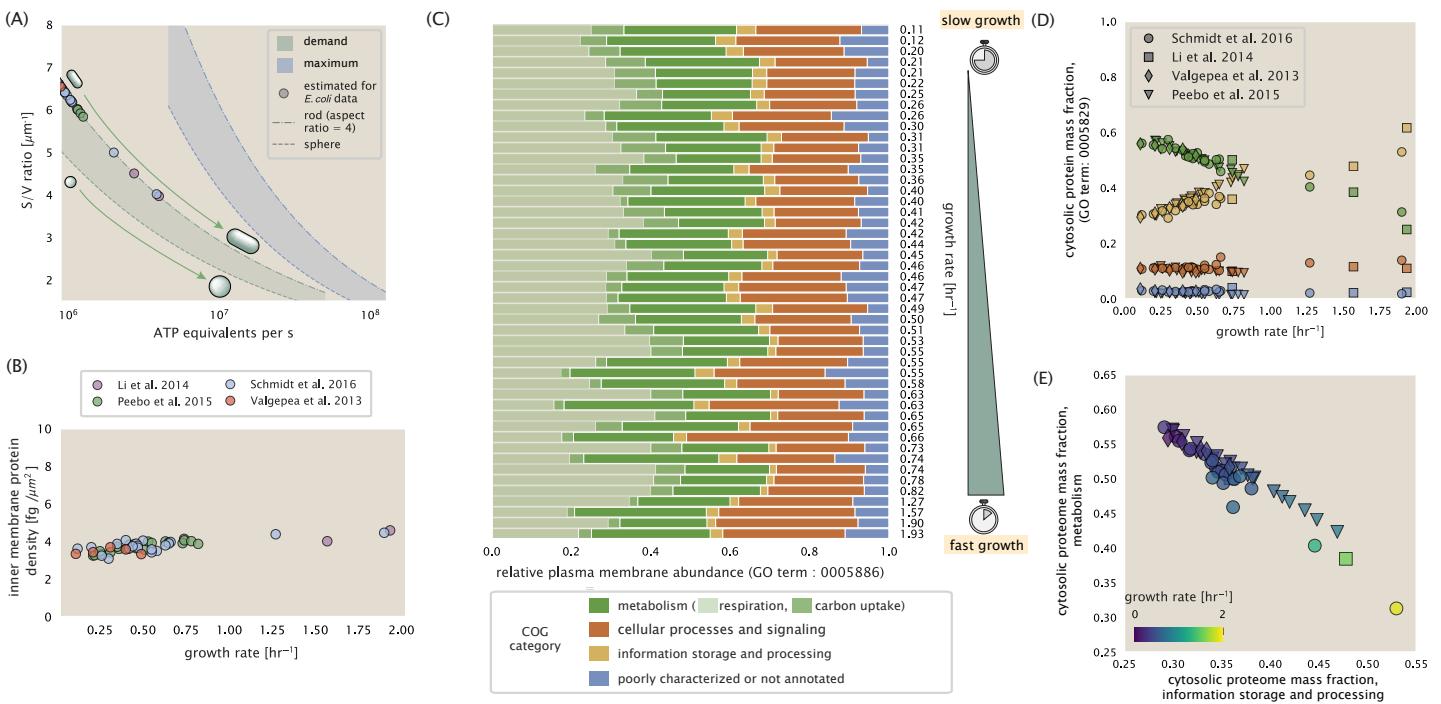


Figure 3. Biosynthesis in a crowded membrane.

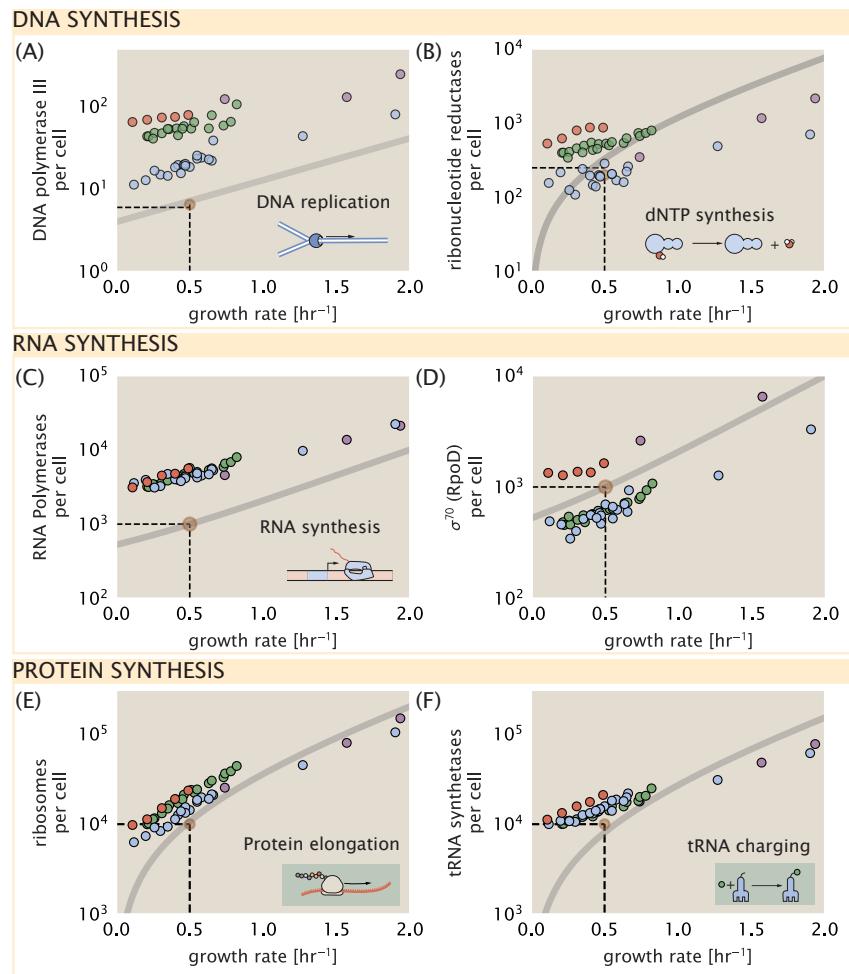


Figure 4. Processes of the central dogma.

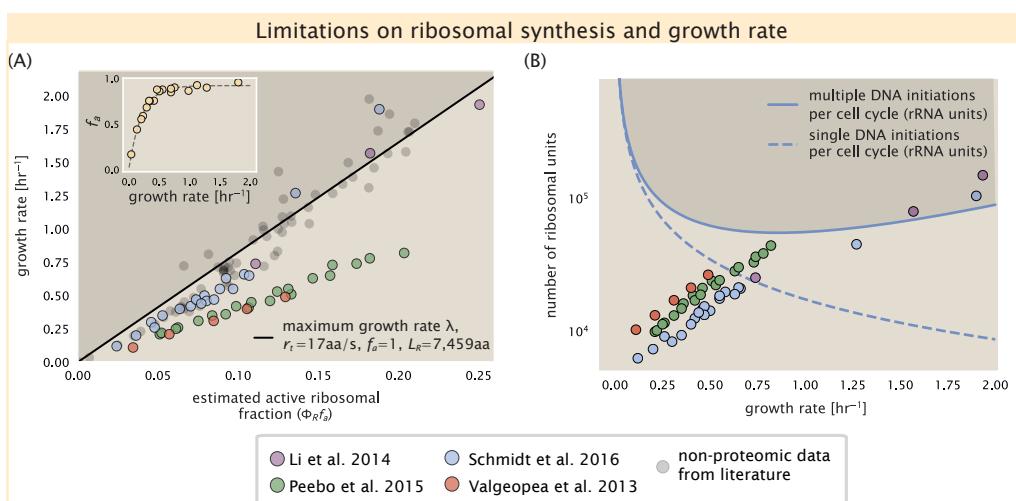


Figure 5. Limitations on ribosomal protein synthesis and growth rate.

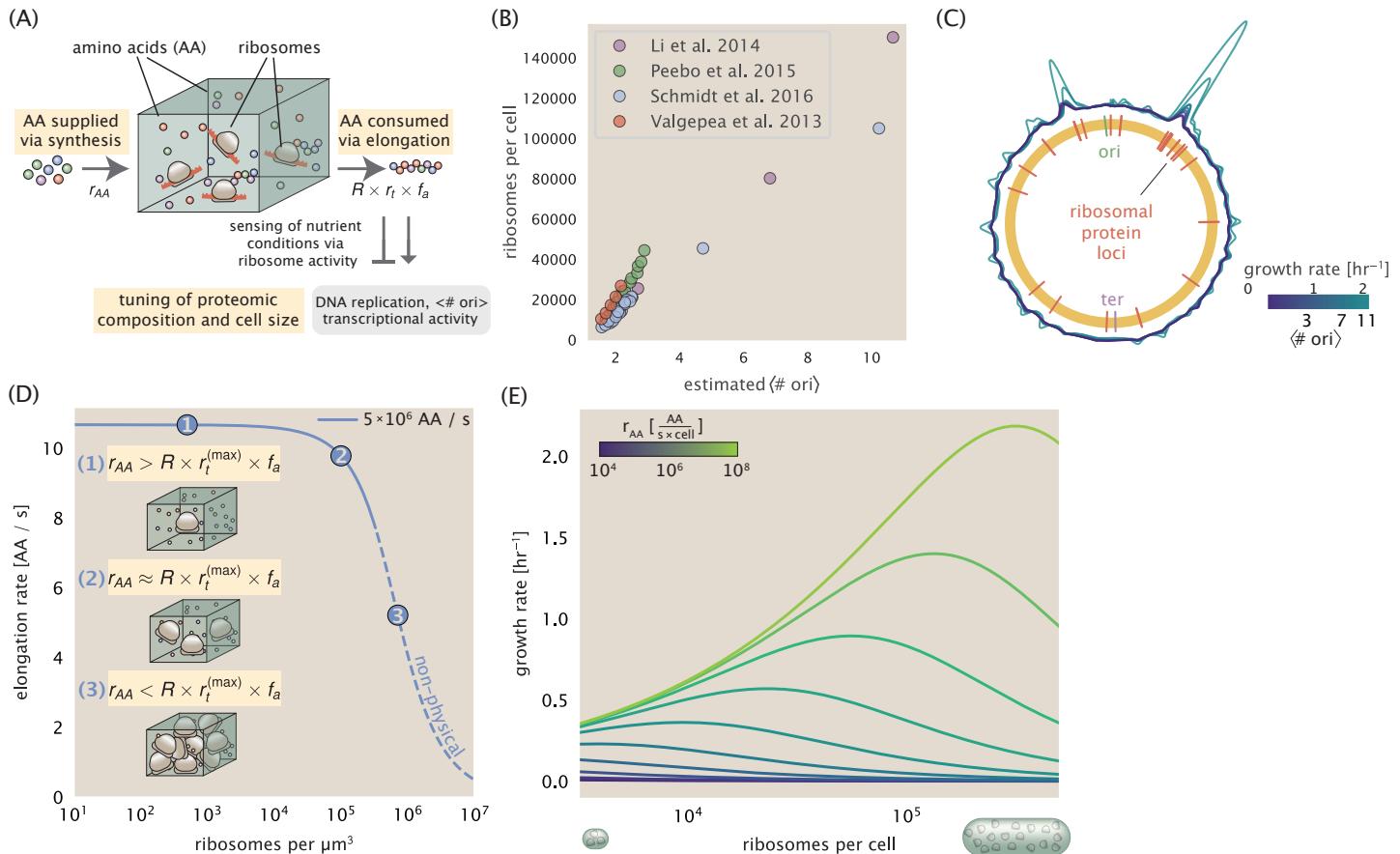


Figure 6. Coordination of cell size and proteomic composition via protein synthesis.