

A log-log plot showing the relationship between the number of ribosomes per cell (x-axis) and the number of proteins per cell (y-axis). The x-axis ranges from approximately 10^3 to 10^6 , and the y-axis ranges from 10^8 to 10^{10} . Data points are colored by protein type: blue (cytoplasmic), green (membrane), orange (secreted), and purple (extracellular). A dashed black line represents the scaling law $R^{0.5} e^{16.1}$.

A log-log plot showing the relationship between cell size and the number of ribosomes per cell. The y-axis is labeled 'cell size [μm^3]' and ranges from 10^{-1} to 10^1 . The x-axis is labeled 'ribosomes per cell' and ranges from 10^4 to 10^5 . Data points are represented by colored circles (blue, green, orange, purple) and follow a dashed black line representing a power-law fit: $R^{0.6}e^{-5.8}$.

- Li et al. 2014
- Peebo et al. 2015
- Schmidt et al. 2016
- Valgepea et al. 2013