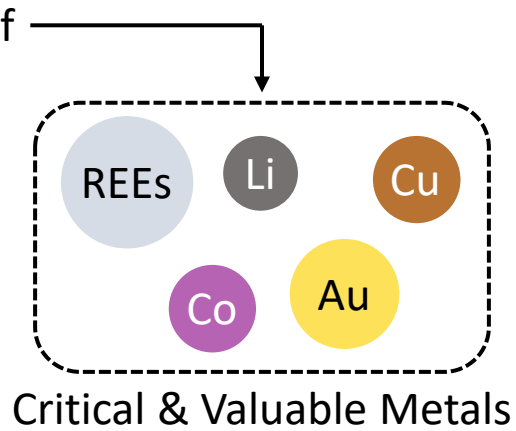
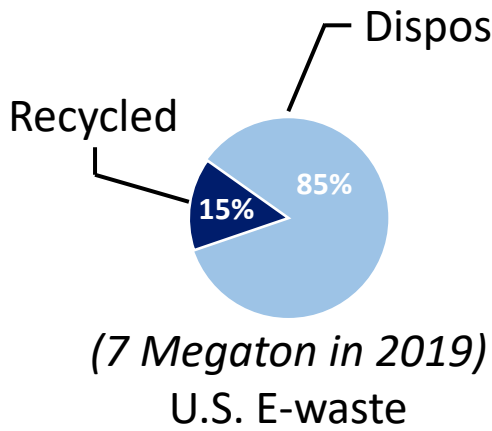
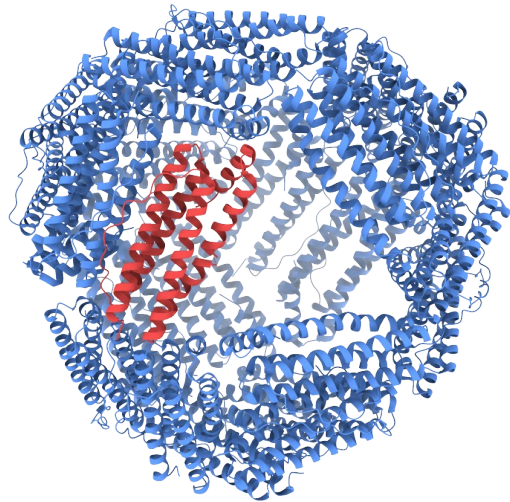


# Engineering Subcellular Bioreactors for Selective Metal Recovery as Metallic Particles



**Objective:** To explore the feasibility of designing and engineering subcellular bioreactors to selectively concentrate and convert metal ions to particles.

**Hypothesis:** The co-expression of ferritin compartments and metal-converting enzymes would allow in vivo assembly of subcellular bioreactors that extract metal ions and produce metallic particles.



Ferritin (PDB: 1SQ3)

